

Ms. Michelle Nokes
Winner Ford
1650 Park Street
Alameda, CA 94501

**Subject: Underground Storage Tank Closure
 1650 Park Street
 Alameda, California**

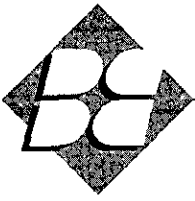
Dear Michelle:

Blymyer Engineers, Inc. has completed the scope of work, outlined in the proposal dated May 11, 1995, to oversee the removal of one unleaded gasoline underground storage tank (UST) and one waste oil UST from the subject site. This letter report provides documentation of all field activities, a summary of analytical results, conclusions, and recommendations.

Background

Blymyer Engineers was retained by Winner Ford to arrange the removal of one 255-gallon waste oil UST and one 500-gallon unleaded gasoline UST at the site, which is currently used as an automobile dealership and showroom. The installation date(s) of the USTs was unknown; however, it is inferred that the USTs were installed at the time the building was constructed, in approximately 1930, because the piping connected to both USTs was routed beneath two of the building walls to various appurtenances within the building. The waste oil UST was essentially empty at the time of removal, with approximately 3 inches of waste oil remaining. The UST had not been used since the commencement of Winner Ford's lease in 1986. The gasoline UST was last used by Winner Ford in 1993. The UST was precision tested in January 1994, at which time it was certified tight. An unknown volume of unleaded gasoline was removed by Winner Ford in February 1994, when use of the UST ceased.

The site is located in a commercial and residential area, on the southeast side of Park Street in Alameda, California (Figure 1). The site is located approximately 0.4 miles south of the Oakland Inner Harbor and approximately 1 mile north of San Leandro Bay. The site structure consists of one building, which encloses offices, an automobile showroom, and an automobile storage warehouse. The remaining portion of the property is used to store automobiles. The site is paved with asphalt with some areas of concrete. The USTs were located beneath the sidewalk near the intersection of Park Street and Buena Vista Avenue (Figure 2). The gasoline UST was located on the northeast side of the site building and the waste oil UST was located on the northwest side of the building.



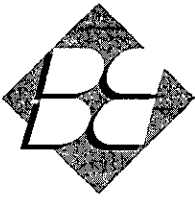
Underground Storage Tank Closure

The removal of the USTs and associated activities were performed by American Construction and Environmental Services (ACES) of Livermore, California, between August 8 and August 14, 1995. On August 10, 1995, one 500-gallon, single-walled steel, unleaded gasoline UST and one 100-gallon, single-walled steel, waste oil UST were removed. Upon removal of the waste oil UST, its volume was assessed to be 100-gallons, not 255-gallons, based on its measurements.

In addition to removal of the gasoline UST, the associated vent line and fuel dispenser were also removed. Prior to removing the dispenser, which was located in the building, the electrical lines to the dispenser were cut and the ends taped. The pipeway in the concrete dispenser island was filled with concrete and the island was left in place. Approximately 10 feet of piping that was routed beneath the northeast wall of the building and connected the gasoline UST and the dispenser was decommissioned in place. The piping was rinsed, grouted, and capped in place because it was determined by ACES to be infeasible to remove the piping. During excavation of the overburden soil above the gasoline UST, one inactive cable was cut. It was determined by ACES that the cable was a subsurface remnant.

After removal of the waste oil UST, its vent line and piping were also removed. Approximately 6 feet of piping was routed beneath the northwest building wall and connected the waste oil UST to an interior sump drain. The sump drain had previously been filled with concrete by Winner Ford. It was unknown whether the piping had been rinsed before the sump drain was filled with concrete. Because the piping sloped downward toward the waste oil UST and the sump drain end was closed, it was not feasible to rinse, grout, and cap the piping to be left in place. ACES concluded that the piping likely did not have any bends; thus, the piping was pulled out. No apparent structural instabilities were created. Photographs of the UST removal are enclosed.

Ms. Juliet Shin of the Alameda County Department of Environmental Health (ACDEH), Hazardous Materials Division, and Assistant Chief Michael Devlin of the Alameda Fire Department were present to witness the removal of the USTs. Copies of the approved Underground Tank Closure Plan, UST removal permit, and Bay Area Air Quality Management District Notification Form; Hazardous Materials Division Inspection Form; and Report of Underground Tank Removal are enclosed. Please note that the Hazardous Materials Division Inspection Form includes some slightly different depth measurements than those documented by Blymyer Engineers.



An inspection of the condition of both of the USTs was performed by a representative of Blymyer Engineers immediately after removal. The gasoline UST was observed to be corroded and pitted, but no penetrating holes were observed. A thin layer of stained soil, emitting a moderate to strong petroleum odor, was present on the lower half of the sides of the gasoline UST.

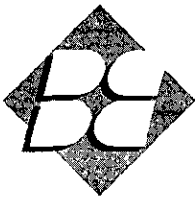
The waste oil UST had been installed vertically. Upon removal, the condition of the waste oil UST was observed to be highly degraded. The seams between the top and the bottom and the sides of the UST were breached, a hole was present in the top and bottom panels, the UST was corroded, and flexure of the UST walls occurred during the removal. However, no evidence of a product release was observed during the inspection of the UST.

Inspection of the piping runs for both USTs was not possible because, as previously mentioned, both piping runs were located beneath the building walls and were not exposed during the removal of the USTs. After the waste oil UST piping was removed, it was observed to be corroded and pitted, but no penetrating holes were observed.

Once the USTs were removed, both were strapped to a flat bed truck to be hauled off-site by Erickson, Inc. The waste oil UST was wrapped in heavy plastic to prevent dry ice and any remaining product from leaking during transport. The USTs were transported to Erickson, Inc.'s facility in Richmond, California, where the USTs were cleaned and destroyed. Copies of the Uniform Hazardous Waste Manifest and the Certificates of Destruction for the USTs are enclosed.

The backfill material surrounding both USTs was inferred to be native soil because its lithology was not typical of imported backfill material and no contact was encountered between distinct lithologic types. The native soil was orange-brown, damp to moist, poorly graded, fine clayey sand.

The overburden soil above the top of the gasoline UST, at approximately 3.5 feet below grade surface (bgs), and the soil from the sidewalls and floor of the UST basin was visibly stained and observed to be gray-green and gray-green mottled orange-brown. Also, the soil emitted a strong to very strong petroleum hydrocarbon odor. Specifically, the soil in the gasoline UST basin was observed to be stained from approximately 4.5 feet bgs to the total depth of the UST basin, which was approximately 7 feet bgs. The soil surrounding the piping in the dispenser pipeway was observed to be stained dark-brown to black and damp. The soil emitted a moderate petroleum hydrocarbon odor.



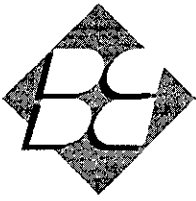
No sensory evidence of contamination was observed in the overburden soil above approximately 3 feet bgs and in soil surrounding the waste oil UST. Groundwater was not encountered in either of the UST basins at the time the USTs were removed.

The dimensions of the gasoline UST basin after removal of the UST were approximately 5 feet by 10 feet by 7 feet deep and approximately 7 cubic yards of soil were excavated to remove the gasoline UST. The final dimensions of the waste oil UST basin were approximately 4 feet by 5 feet by 6 feet deep. Approximately 2 cubic yards were excavated to remove the waste oil UST. The excavated soil from each excavation was stockpiled in two piles at the site, pending analysis and off-site disposal.

Limited Over-Excavation of Soil

Over-excavation of petroleum hydrocarbon-contaminated soil surrounding the former location of the gasoline UST was performed after the UST was removed with approval from Winner Ford and the on-site regulator, Ms. Shin. Sensory observations made by the Blymyer Engineers representative and Ms. Shin were used to direct the over-excavation. Over-excavation of soil was terminated when continued excavation presented potential structural instabilities and would have created substantial additional work. Stained and moderate to strong petroleum hydrocarbon odor-emitting soil was excavated from the floor and four sidewalls of the UST basin. An approximately 2.75-foot-thick layer of soil was removed from the excavation floor from 7 to 9.75 feet bgs. Approximately 1-foot-thick layers of soil were removed from the northeast, southeast, and southwest sidewalls from the depth of obviously impacted soil, approximately 4 feet bgs, to the total depth of 9.75 feet bgs. An approximately 2-foot-thick layer of soil was removed from the northwest sidewall from approximately 4 feet bgs to 9.75 bgs, beneath the concrete sidewalk.

The soil was observed to be very moist from approximately 8 to 8.75 feet bgs and groundwater was encountered in the UST basin during the over-excavation at approximately 9 feet bgs. The groundwater recharged from the clayey sand unit, which was observed to be stained gray-green. Thin, laterally discontinuous sand lenses were noted at a depth of 9 feet bgs. A sheen or free-phase petroleum product on groundwater was not apparent. It was not feasible to pump out the groundwater to allow recharge and subsequent groundwater sampling for analysis. Also, Ms. Shin determined that a sample of the standing water in the excavation would not be representative due to the disturbance of natural conditions created during over-excavation. Thus, a groundwater sample was not collected.



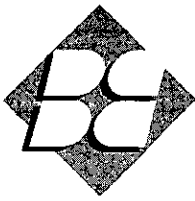
The final dimensions of the gasoline UST basin after over-excavation were approximately 6 feet by 11 feet by 9.75 feet deep. The total amount of soil that was removed during over-excavation was approximately 20 cubic yards. On behalf of Winner Ford, Blymyer Engineers submitted an Underground Storage Tank Unauthorized Release (Leak)/Contamination Site Report, dated August 30, 1995, to the ACDEH. A copy of the report is enclosed.

Upon completion of over-excavation, both UST excavations were backfilled with clean, imported fill and resurfaced with concrete in accordance with city requirements.

Soil Sample Collection and Analytical Methods

On August 10, 1995, soil samples were collected by a representative of Blymyer Engineers immediately after the removal of the USTs and after over-excavation. One soil sample each was collected from the gasoline UST basin before over-excavation, the dispenser island pipeway, and the waste oil UST basin, and four soil samples were collected from the gasoline UST over-excavation. The gasoline UST basin soil sample was collected from the basin floor on the fill port end of the UST at approximately 8 feet bgs. The dispenser island soil sample was collected from the accessible soil surrounding the pipe at approximately 3 inches bgs, and approximately 1 foot below the top of the concrete island. The waste oil UST basin soil sample was collected from the basin floor in the center of the former location of the UST at approximately 6.5 feet bgs. The four soil samples collected from the gasoline UST over-excavation were collected at an approximate depth of 8 feet bgs, the depth of the vadose/saturated zone interface. All samples were collected from native soil from locations approved by Ms. Shin. The locations and designations of the soil samples collected from the UST basins and gasoline UST over-excavation are shown on Figure 3.

Soil from each sampling location in the UST basins and over-excavation were initially collected with the excavator bucket. A clean, 2-inch-diameter brass tube was hand-driven into the soil in the excavator bucket after the first 6 inches of soil were removed. The dispenser island soil sample was collected by hand-driving a clean, 2-inch-diameter brass tube into the accessible soil surrounding the pipe. Because there were only approximately 4 inches between the piping and the edge of the dispenser island pipeway, only approximately 3 inches of top soil could be removed above the depth at which the sample was collected. The soil samples collected from the gasoline UST basin and over-excavation were moist, gray-green and gray-green mottled orange-brown, fine clayey sand, that emitted a strong petroleum hydrocarbon odor. The soil sample collected from the dispenser pipeway was damp, brown-black to black, fine clayey sand. The soil emitted a moderate petroleum hydrocarbon odor. The soil sample collected from the waste oil UST basin floor was orange-brown, fine clayey sand. No staining or petroleum hydrocarbon odor was apparent.

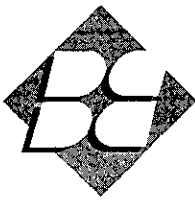


Two four-point composite stockpile soil samples were collected, one from each stockpile. A trowel was used to obtain equal volumes of soil from a location in each quarter section of each soil stockpile. The first 6 inches of top soil was removed at each sample location and soil was placed into a clean, disposable cardboard bucket. Each composite soil sample from the soil stockpiles was collected from soil evenly mixed in the bucket. A clean, 2-inch-diameter brass tube was hand-driven into the evenly mixed soil in each bucket.

The ends of each brass tube for all soil samples were covered with Teflon® sheets and plastic end caps and sealed with adhesiveless silicone tape. The soil samples were labeled, placed in a cooler with ice, and delivered with proper chain-of-custody documentation to Sparger Technology, Inc., a California-certified laboratory located in Sacramento, California.

All soil samples were analyzed in accordance with the suites of analyses included in the *Tri-Regional Board Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites*, dated August 10, 1990. The soil samples collected from the gasoline UST basin, dispenser island, and over-excavation were analyzed for Total Petroleum Hydrocarbons (TPH) as gasoline by modified EPA Method 8015 and benzene, toluene, ethylbenzene, and total xylenes (BTEX) by EPA Method 8020. The soil sample collected from the waste oil UST basin was analyzed for TPH as gasoline, BTEX, TPH as diesel by modified EPA Method 8015, Total Recoverable Petroleum Hydrocarbons (TRPH) by EPA Method 418.1, volatile organic compounds (VOCs) by EPA Method 8240, semi-volatile organic compounds (SVOCs) by EPA Method 8270, and the five Leaking Underground Fuel Tank (LUFT) metals by EPA Methods 6010 and 7421.

It was anticipated that the soil would be disposed of at BFI Vasco Road Landfill (BFI), a class III landfill located in Livermore, California. Therefore, the composite stockpile soil sample collected from the gasoline UST soil was initially analyzed for TPH as gasoline and BTEX and for Total Lead by EPA Method 7421. Upon review of the results for these analyses, the stockpile sample was additionally analyzed for Reactivity, Corrosivity, and Ignitability (RCI) by EPA Methods 9010/9030, 9040, and modified 1010, respectively in accordance with BFI's analytical requirements. The composite soil sample collected from the stockpile of soil excavated from the waste oil UST area was analyzed for TPH as gasoline, BTEX, TRPH, VOCs, and SVOCs, and the 17 California Assessment Manual (CAM) Metals. All analyses were performed on a 5-day turnaround. Copies of the laboratory reports, chain-of-custody documentation, and quality assurance data for the soil samples are enclosed.

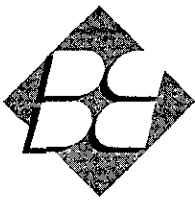


Soil Sample Analytical Results

Three soil samples collected from the gasoline UST over-excavation (GT-S2-8', GT-S3-8', and GT-S4-8) contained concentrations of BTEX ranging from non-detect to 500 milligrams per kilogram (mg/kg). TPH as gasoline was detected in these soil samples at concentrations ranging from 130 to 7,100 mg/kg. BTEX and TPH as gasoline were not detected in soil samples GT-F-8' and GT-S1-8'. The laboratory indicated after a review of the chromatograph for sample GT-F-8' that, even though the sample did not contain detectable concentrations of BTEX and TPH as gasoline, an early eluting unknown hydrocarbon was present. Although soil sample GT-S1-8' also did not contain detectable concentrations of BTEX and TPH as gasoline, the laboratory did not state that an early eluting unknown hydrocarbon was present. The gasoline dispenser sample, GT-D-1', contained BTEX in concentrations ranging from 100 to 1,300 mg/kg and TPH as gasoline was detected at 46,000 mg/kg.

The composite sample, GT-SP-1, collected from stockpiled soil from the gasoline UST basin and over-excavation contained BTEX concentrations ranging from 7 to 160 mg/kg and a TPH as gasoline concentration of 3,700 mg/kg. The total concentration of lead detected was 11 mg/kg, which did not exceed 10 times the Soluble Threshold Limit Concentration (STLC) or the Toxicity Characteristic Leaching Procedure (TCLP) value. It was necessary to analyze sample GT-SP-1 for RCI because the detected concentration of TPH as gasoline exceeded BFI's limit for TPH as gasoline without RCI data, which is 800 mg/kg. The results of the RCI analyses indicated that the soil associated with the gasoline UST was possibly a hazardous waste because the temperature of ignitability was reported as 57 degrees Celsius (°C), not 60°C or greater. Blymyer Engineers requested that the laboratory describe the sample reaction during the ignitability analysis, using Title 22 language. The laboratory stated that "[the sample] did not burn so vigorously or persistently under standard pressure and temperature that it did not create a hazard." The total cyanide and total sulfide concentrations were non-detectable, and the pH was reported as 7.1.

The samples associated with the waste oil UST, WOT-F-6.5' and WOT-SP-1, did not contain detectable concentrations of BTEX, TPH as gasoline, and VOCs. Soil sample WOT-F-6.5' also did not contain detectable concentrations of TPH as diesel or the five LUFT metals. However, the soil sample contained TRPH at a concentration of 3,100 mg/kg and concentrations of the SVOCs benzo (a) anthracene, chrysene, and pyrene were detected, ranging from 330 to 520 micrograms per kilogram. Soil sample WOT-SP-1 also contained TRPH at a concentration of 360 mg/kg. None of the total concentrations detected for the 17 CAM metals for sample WOT-SP-1 exceeded 10 times respective STLC and TCLP values. A laboratory representative stated that the high concentrations of TRPH detected in both samples were likely attributable to the presence of motor oil. Hydrocarbons with chromatograph patterns resembling motor oil were also observed by the laboratory for the TPH as diesel and SVOC analyses.



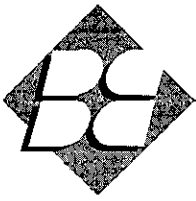
Disposal of Stockpiled Soil

The analytical results for samples GT-SP-1 and WOT-SP-1 were submitted to BFI. Although the result for the ignitability analysis was slightly too low for acceptance by BFI's criteria, because the laboratory described the reaction as a non-hazardous one, BFI accepted the soil without requiring collection and analysis of another soil sample. The results for the waste oil UST stockpile sample were acceptable to BFI.

Both soil stockpiles were transported and disposed of on November 5, 1995 at the BFI facility in Livermore, California. BFI stated that 33.42 tons of soil were disposed at the BFI facility. Copies of Non-Hazardous Special Waste Manifests Nos. 396655 and 396656 are enclosed.

Summary and Conclusions

- One 500-gallon gasoline UST and one 100-gallon waste oil UST, and appurtenances were removed by ACES on August 10, 1995.
- The gasoline UST was observed to be in fair condition with visible evidence of corrosion and pitting, but without holes. The waste oil UST was observed to be in highly degraded condition, with breached seams and holes in the top and bottom panels.
- Evidence of soil contamination was observed in the gasoline UST basin; thus, limited over-excavation of soil was performed to remove additional contaminated soil. Groundwater had not been encountered in the excavation during the removal of the USTs, but was encountered during over-excavation.
- Approximately 7 cubic yards of soil were excavated to remove the gasoline UST and approximately 2 cubic yards were excavated to remove the waste oil UST. The excavated soil from each excavation was stockpiled in two separate piles at the site, pending analysis and disposal. A total of approximately 20 cubic yards of contaminated soil was over-excavated from the gasoline UST basin and stockpiled at the site, combined with the soil excavated to remove the gasoline UST. The extent of over-excavation was limited by structural constraints.



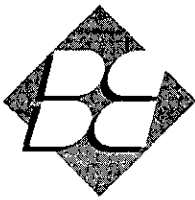
- The analytical results for the soil samples associated with the gasoline UST indicated that the soil within approximately 1 foot of the extent of the over-excavation contains elevated concentrations of gasoline petroleum hydrocarbons. The analytical results for the sample collected from waste oil UST basin indicates that soil immediately surrounding the former location of the waste oil UST contains elevated concentrations of what is likely motor oil range petroleum hydrocarbons. The lateral and vertical extent of soil contamination and whether groundwater is contaminated related to the former gasoline and waste oil USTs is unknown at this time.
- The stockpiled soil was transported and disposed of at the BFI Vasco Road Landfill in Livermore, California.

Recommendations

- Blymyer Engineers recommends that a copy of this letter report be submitted to:

Ms. Eva Chu
Alameda County Health Care Services Agency
Department of Environmental Health
Hazardous Materials Program
1131 Harbor Bay Parkway
Alameda, CA 94502

Mr. Kevin Graves
California Regional Water Quality Control Board
San Francisco Bay Region
2101 Webster Street, Suite 500
Oakland, CA 94612



Ms. Michelle Nokes
November 22, 1995
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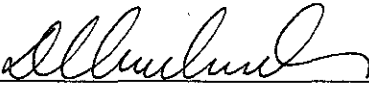
Limitations


Services performed by Blymyer Engineers, Inc. have been provided in accordance with generally accepted professional practices for the nature and conditions of similar work completed in the same or similar localities, at the time the work was performed. The scope of work for the project was conducted within the limitations prescribed by the client. This report is not meant to represent a legal opinion. No other warranty, expressed or implied, is made. This report was prepared for the sole use of the client.

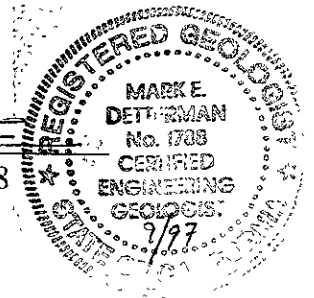
If you have any questions or comments, please contact Deborah Underwood at (510) 521-3773.

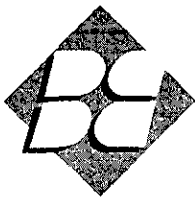
Sincerely,

Blymyer Engineers, Inc.

By: 
Deborah Underwood
Geologist

And: 
Mark Deetman, C.E.G. 1788
Senior Geologist





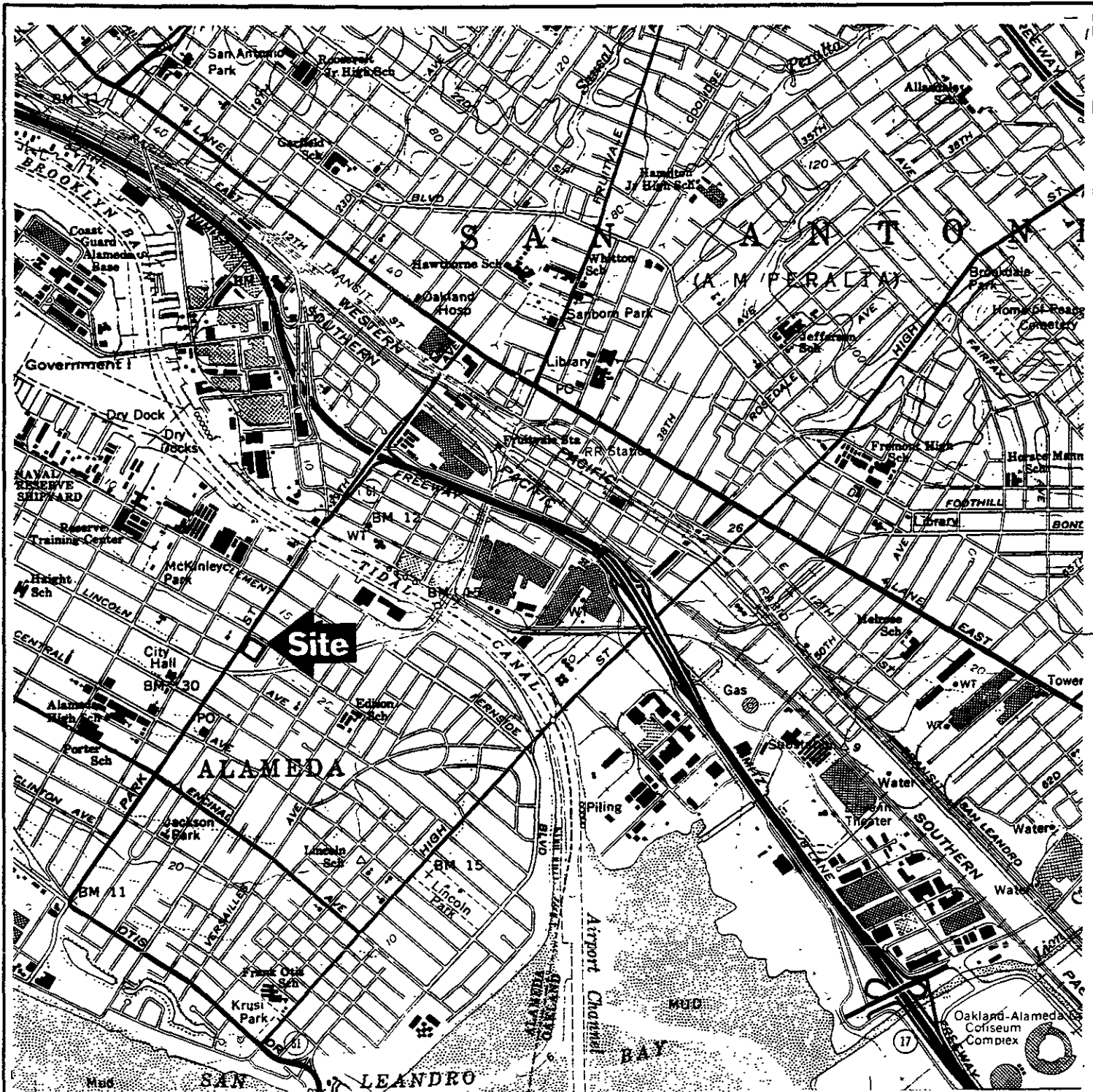
Enclosures

Figure 1. Site Location Map

Figure 2. Partial Site Plan

Figure 3. Soil Sample Locations

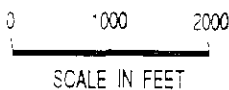
1. Photographs of UST Removals
2. Approved Underground Tank Closure Plan, Alameda County Health Care Services Agency, Department of Environmental Health, Hazardous Materials Division, July 20, 1995; Regulation 8, Rule 40 Notification Form, Bay Area Air Quality Management District, August 2, 1995
3. Hazardous Materials Division Inspection Form, Alameda County, Department of Environmental Health, August 10, 1995
4. Report of Underground Tank Removal Inspection, City of Alameda Fire Department, August 10, 1995
5. Uniform Hazardous Waste Manifest No. 93137588, August 10, 1995
6. Certificates of Destruction Nos. 17563 and 17564, Erickson, Inc., August 18, 1995
7. Underground Storage Tank Unauthorized Release (Leak)/Contamination Site Report, August 30, 1995
8. Laboratory Analytical Reports, Sparger Technology, August 23 and September 11, 1995
9. Non-Hazardous Special Waste and Asbestos Manifest Nos. 396655 and 396656, BFI Vasco Road Landfill, October 5, 1995



UNITED STATES GEOLOGICAL SURVEY 7.5' QUAD "OAKLAND EAST CA" ED 1959, PHOTOREVISED 1960



QUADRANGLE LOCATION I



SITE LOCATION MAP

WINNER FORD
1650 PARK ST.
ALAMEDA, CA

FIGURE

1

BEI JOB NO 95048

DATE 9/18/95



BUENA VISTA AVE.

SURFACE EXTENT OF GASOLINE UST EXCAVATION

EXTENT OF GASOLINE UST EXCAVATION BENEATH SIDEWALK

LOCATION OF GASOLINE UST PIPING (DECOMMISSIONED IN PLACE)

FORMER LOCATION OF GASOLINE UST VENT

FORMER LOCATION OF GASOLINE DISPENSER

LOCATION OF GASOLINE DISPENSER PIPEWAY (DECOMMISSIONED IN PLACE)

LOCATION OF GASOLINE DISPENSER ISLAND (LEFT IN PLACE)

SIDEWALK

PARK ST.

SIDEWALK

MAIN BUILDING
(OFFICES AND SHOWROOM)

EXTENT OF WASTE OIL UST EXCAVATION

FORMER LOCATION OF WASTE OIL UST PIPING

FORMER LOCATION OF WASTE OIL UST SUMP DRAIN

FORMER LOCATION OF WASTE OIL UST VENT

0 10 20
SCALE IN FEET



BLMYER
ENGINEERS, INC.

LEGEND
UST UNDERGROUND STORAGE TANK

PARTIAL SITE PLAN

WINNER FORD
1650 PARK ST.
ALAMEDA, CA

FIGURE

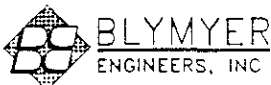
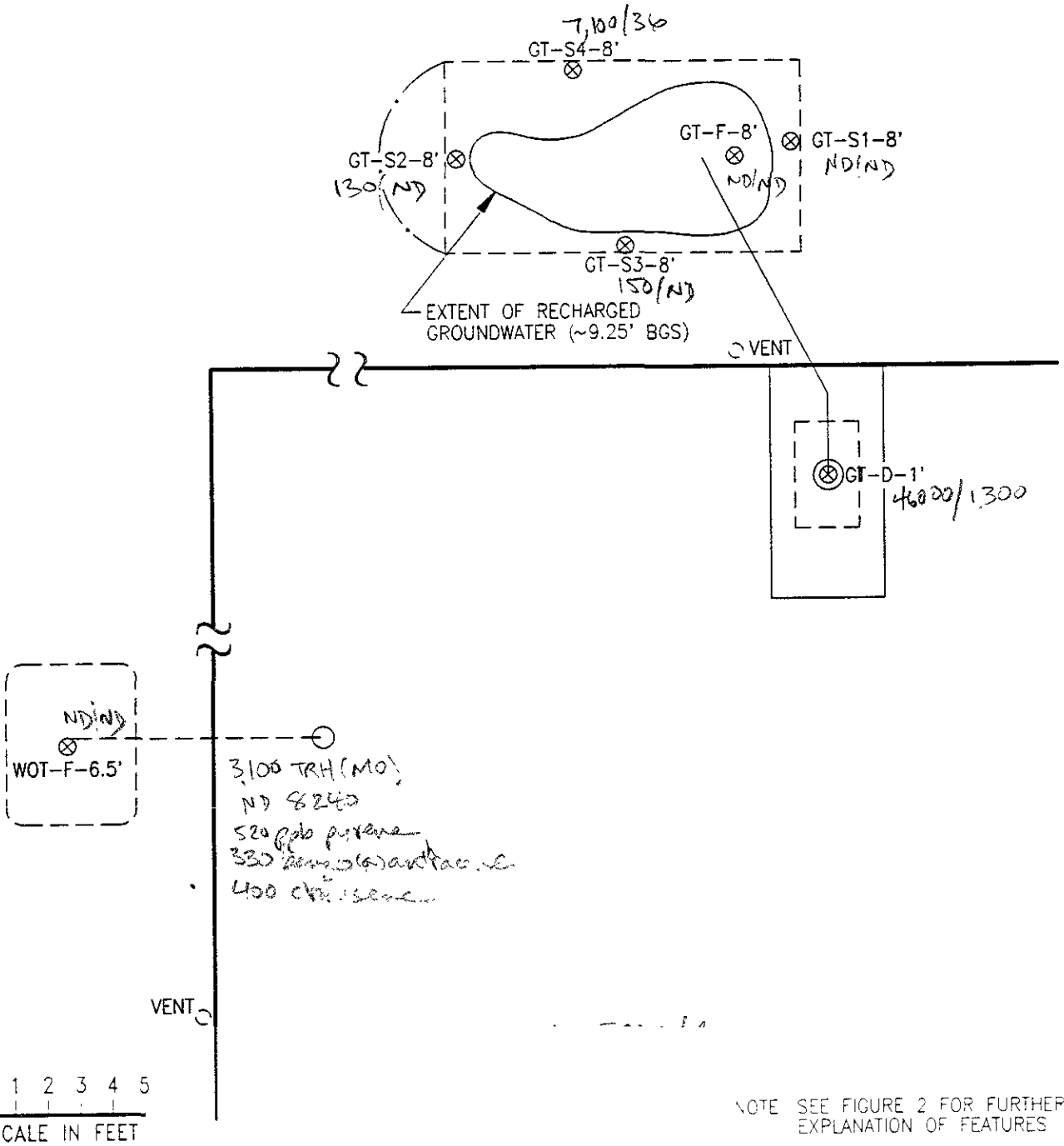
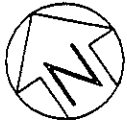
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BEI JOB NO.
95048

DATE
9/18/95

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LEGEND
BGS BELOW GRADE SURFACE
⊗ SOIL SAMPLE LOCATION

SOIL SAMPLE LOCATIONS

WINNER FORD
1650 PARK ST.
ALAMEDA, CA

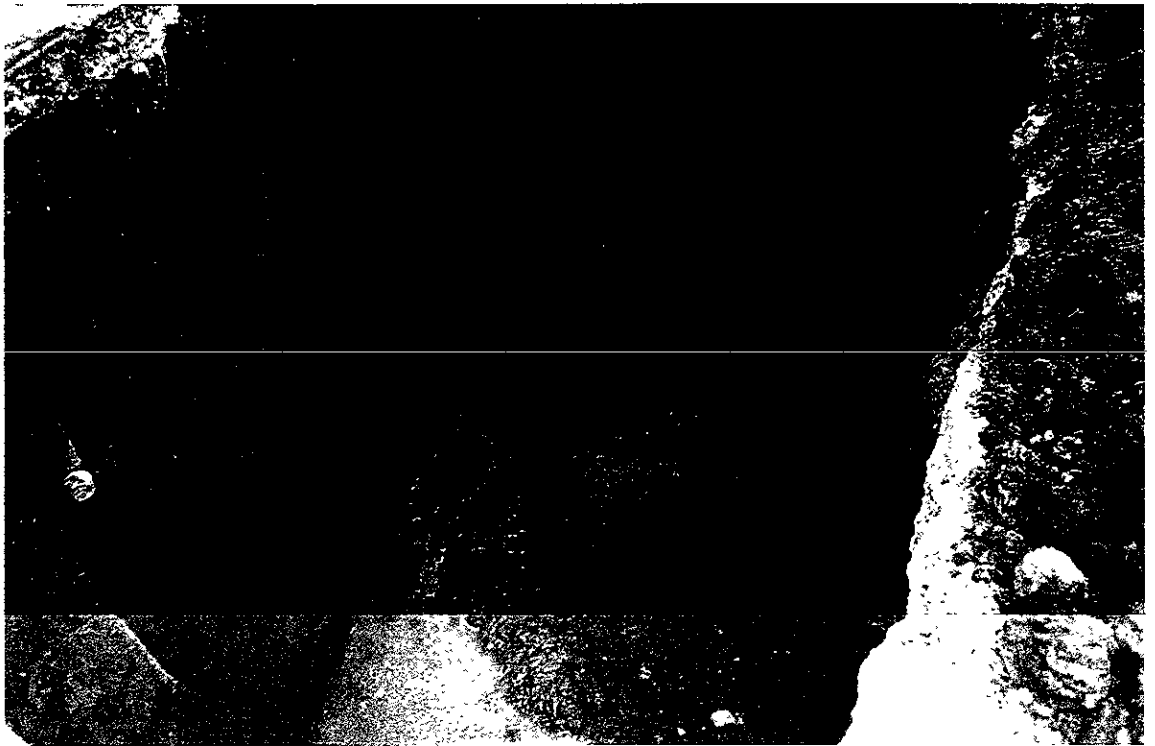
FIGURE

3

BEI JOB NO. 95048
DATE 9/18/95



Photograph 1: Gasoline UST (facing northwest).



Photograph 2: Gasoline UST over-excavation, ponded groundwater, and partial section of piping (facing northwest).



Photograph 3: Waste oil UST, partial section of piping, and UST basin (facing southwest).

DEPARTMENT OF ENVIRONMENTAL HEALTH
 ENVIRONMENTAL PROTECTION DIVISION
 1131 HARBOR BAY PARKWAY, RM 250
 ALAMEDA, CA 94502-6577
 PHONE # 510/567-6700
 FAX # 510/337-9335

Project Specialist

Isabel 7/20/95

note changes (additions in Red!)

ACCEPTED

Underground Storage Tank Closure Permit Application
 Alameda County Division of Hazardous Materials
 80 Swan Way, Suite 200,
 Oakland, CA 94621
 Telephone: (510) 271-4320

These closure/removal plans have been received and found to be acceptable and essentially meet the requirements of State and Local Health Laws. Changes to your closure plans indicated by this Department are to assure compliance with State and local laws. The project proposed herein is now released for issuance of any required building permits for construction/destruction. One copy of the accepted plans must be on the job and available to all contractors and craftsmen involved with the removal. Any changes or alterations of these plans and specifications must be submitted to this Department and to the Fire and Building Inspections Department to determine if such changes meet the requirements of State and local laws.

Notify this Department at least 72 hours prior to the following required inspections:

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

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

*THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS

Contact Specialist:

Fire Department must witness removal of all Underground Tanks, and all State and County Requirements must be met.

By *Carol D...* Date *8-1-95*

UNDERGROUND TANK CLOSURE PLAN

*** Complete according to attached instructions ***

1. Name of Business Winner Ford
 Business Owner or Contact Person (PRINT) Michelle Nokes, V.P.
2. Site Address 1650 Park Street
 city Alameda CA zip 94501 Phone 510 865-3673
3. Mailing Address Same
 City _____ Zip _____ Phone _____
4. Property Owner Beck Family Properties (Julie Beck Ball)
 Business Name (if applicable) _____
 Address 2720 Broderick Street
 City, state San Francisco CA zip 94123
5. Generator name under which tank will be manifested
Julie Beck Ball

EPA ID# under which tank will be manifested CA 0001053160

B95-1022

Address American Construction
City 567 Exchange Court Livermore CA 94550 Phone 510 447-2484
License Type A ID# 702214

*Effective January 1, 1992, Business and Professional Code Section 7058.7 requires prime contractors to also hold Hazardous Waste Certification issued by the State Contractors License Board.

7. Consultant (if applicable): Blymyer Engineers, Inc.
Address 1829 Clement Ave
City, State Alameda CA 94501 Phone 510 521-3773

8. Main Contact Person for ~~Investigation~~ ^{UST Removals} (if applicable)
Name Deborah Underwood Title Geologist
Company Blymyer Engineers Inc.
Phone 510 521-3773

9. Number of underground tanks being closed with this plan 2
Length of piping being removed under this plan 210 Feet
Total number of underground tanks at this facility (**confirmed with owner or operator) 2

10. State Registered Hazardous Waste Transporters/Facilities (see instructions).

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

a) Product/Residual Sludge/Rinsate Transporter

Name Ericksen Inc. EPA I.D. No. CA0009466390
Hauler License No. 0019 License Exp. Date 7/31/95
Address 255 Paris Blvd
City Richmond CA State _____ Zip 94801

b) Product/Residual Sludge/Rinsate Disposal Site

Name Dave EPA ID# _____
Address _____
City _____ State _____ Zip _____

Name Danne EPA I.D. No. _____
Hauler License No. _____ License Exp. Date _____
Address _____
City _____ State _____ Zip _____

d) Tank and Piping Disposal Site

Name Danne EPA I.D. No. _____
Address _____
City _____ State _____ Zip _____

11. Sample Collector

Name Deborah Underwood
Company Blymyer Engineers Inc
Address 1829 Clement Ave
City Alameda State CA Zip 94501 Phone 510521-3773

12. Laboratory

Name Sparger Technology, Inc.
Address 3050 Fite Circle Ste 112
City Sacramento State CA Zip 95827
State Certification No. 2017

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

If yes, describe. _____

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

DRY ICE

30 lbs per 1,000 gal

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 permanently plugged.

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

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

Tank		Material to be sampled (tank contents, soil, groundwater)	Location and Depth of Samples
Capacity	Use History include date last used (estimated)		
255-gallon	Date installed unknown, estimated to be year structure built - 1930. Last used for waste oil containment in 1986.	Soil	1 sample from UST basin floor (2 ft. into native soil).
500-gallon	Date installed unknown, estimated to be year structure built - 1930. Last used in 1993 for unleaded gas containment. Precision tested tight in Jan. 1994; unknown volume of gas removed in Feb. 1994.	Soil	1 sample from UST basin floor (2 ft. into native soil). 1 sample from product piping trench, (in native soil). 1 sample from beneath the fuel dispenser (in native soil).

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

Excavated/Stockpiled Soil	
<p>Stockpiled Soil Volume (estimated) Approximately 20 cubic yards to be removed from the waste oil UST excavation.</p> <p>Approximately 20 cubic yards to be removed from the gasoline UST excavation</p>	<p>Sampling Plan Collect 1 four-point composite sample.</p> <p>Collect 1 four-point composite sample.</p>

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

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

If yes, explain reasoning _____

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

16. Chemical methods and associated detection limits to be used for analyzing samples:
 The Tri-Regional Board recommended minimum verification analyses and practical quantitation reporting limits should be followed.
 See attached Table 2.

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

Contaminant Sought	EPA or Other Sample Preparation Method Number	EPA or Other Analysis Method Number	Method Detection Limit
Unleaded Gasoline Total Pb	TPHG 5030	8015 (mod.)	
	BTEX 5030	8020	
Waste Oil	TPHG 5030	8015 (mod.)	
	TPH D 3550	8015 (mod.)	
	BTEX 5030	8020	
	TRPH 418.1	418.1	
	VOCs 5030	8240	
	SVOCS 3550	8270	
	Metals Scan (Cd, Cr, Pb, Ni, Zn) 3050	6010/7421	

JUL-14-95 FRI 15:51

AMERICAN CONSTRUCTION

FAX NO. 5104474145

18. Submit worker's compensation certificate copy

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 written report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report (ULR) form.

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

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

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

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

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

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

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

CONTRACTOR INFORMATION

Name of Business American Construction

Name of Individual Terri Stack

Signature Terri Stack Date 7/17/95

PROPERTY OWNER OR (MOST RECENT TANK OPERATOR) (Circle one)

Name of Business Winner Ford

Name of Individual Michelle Nokes

Signature Michelle Nokes Date 7/17/95

ALAMEDA COUNTY ENVIRONMENTAL PROTECTION DIVISION

DECLARATION OF SITE ACCOUNT REFUND RECIPIENT

There may be excess funds remaining in the Site Account at the completion of this project. The PAYOR (person or company that issues the check) will use this form to predesignate another party to receive any funds refunded at the completion of this project. In the absence of this form, the PAYOR will receive the refund.

SITE INFORMATION:

Site ID Number
(if known)

Winner Ford
Name of Site

1650 Park Street
Street Address

Alameda, CA 94501
City, State & Zip Code

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

American Construction
Name

567 Exchange Court
Street Address

Livermore, CA 94550
City, State & Zip Code

Terri Stock
Signature of Payor

7/17/95
Date

AMERICAN CONSTRUCTION American Const
Name of Payor Company Name of Payor
(PLEASE PRINT CLEARLY)

RETURN FORM TO:

County of Alameda, Environmental Protection
1131 Harbor Bay Parkway, Rm 250
Alameda CA 94502-6577
Phone#(510) 567-6700

PERMIT # B95-1022
C95-0167

CITY OF ALAMEDA

APPROVED BY:
SWD

VALUATION: 8,000

ADDRESS: 1650 PARK ST
JOB: TANK REMOVAL (2)
PERMITTEE: AMERICAN CONSTRUCTION
PHONE: 510-447-2484

FOUNDATIONS: _____ SHEETROCK/INTERIOR LATH: _____

GROUND PLUMBING: _____ (Required Before Taping or Plastering)

ROUGH ELECTRIC: _____ (Required Before Stucco)

ROUGH PLUMBING: _____ DESIGN REVIEW: _____

ROUGH HEATING & VENTILATION: _____ GAS TEST _____

SUB FLOOR: _____ KELLY TEST _____

FRAME: _____ SEWER REPAIR/REPLACEMENT _____

INSULATION: _____ FINAL ELECTRIC: _____

CERTIFICATE _____ FINAL - FIRE DEPT.: _____

COMMENTS _____ FINAL - PLUMBING: _____

_____ FINAL - HEATING & VENTILATION: _____

_____ FINAL - BUILDING: _____

DO NOT OCCUPY STRUCTURE UNTIL CERTIFICATION OF OCCUPANCY HAS BEEN ISSUED.
FOR CERTIFICATE OF OCCUPANCY TO BE ISSUED, A COPY OF THE HARD CARD WITH
ALL FINALS NEEDS TO BE FILED WITH THE CENTRAL PERMIT OFFICE.

*****SMOKE DETECTORS REQUIRED---U.B.C. SEC. 1210*****
"When alterations, repairs or additions are made to an existing residence and
the valuation of the improvements exceed \$1,000.00, the entire building shall
be provided with smoke detectors as required for new residences."

FOR INSPECTIONS - CALL

BUILDING 748-4564
8:00 - 10:00 A.M.

PLUMBING & MECHANICAL 748-4563
8:00 - 10:00 A.M.

ELECTRICAL 748-463
8:00-10:00 A.M.

NO INSPECTIONS ON FRIDAY!!!!

CITY OF ALAMEDA
 CENTRAL PERMITS OFFICE
 2263 Santa Clara Ave. Room 104
 Alameda, CA 94501

Permit No: 894-1022
 Status: APPROVED

Page 1 of 1
 08-02-95 13:14

JOB ADDRESS : 1650 PARK ST
 PERMIT TYPE : COMMERCIAL BUILDING PERMIT
 Parcel Number : 078-0191-001-01

Applied : 07-26-95
 Approved : 08-02-95
 Expired :
 Class code : 437
 Valuation : 3,000

Owner : BALL JULIE E : 3501 RYTER A E
 2720 BRIDGEMAN ST
 SAN FRANCISCO, CA 94116

Applicant : AMERICAN CONSTRUCTION
 567 EXCHANGE CT
 LIVERMORE, CA 94550
 925-47-2484

HOURS OF CONSTRUCTION
 MONDAY - FRIDAY 7 A.M. TO 7 P.M.
 SATURDAY & SUNDAY 8 A.M. TO 5 P.M.
Jerry L. Stock
 ALICIA

Project Title : TANK REMOVAL
 Project Desc. : TANK REMOVAL

CONTRACTOR : AMERICAN CONSTRUCTION
 567 EXCHANGE CT
 LIVERMORE, CA 94550

Fee description	Units	Fee/Unit	Ext. fee	Date
Permit Filing Fee			25.00	
Building Permit Fee			108.90	
Commercial Plan checking			108.90	
FIRE DEPT. ENTER AMOUNT	380.00		380.00	
ADDITIONAL MICRO-FICHE FEE		11.68	11.68	
*** Fees Required ***				
			*** Fees Collected & Credits ***	

Account No.	Receipt No.	Date	Payment
001-300-4220-3340	R950335	07-26-95	118.90
001-300-4240-3745	R9503591	07-26-95	12.00
001-300-4220-3710	R9503337	07-26-95	108.90
001-300-4220-3710	R9503591	07-26-95	11.68
310-300-9409-3790	R9503591	07-26-95	380.00
310-300-9409-3790	R9503591	07-26-95	380.00
Fees:		642.48	
Adjustments:		.00	
Total Fees:		642.48	
	Total Credits:		.00
	Total Payments:		642.48
	Balance Due:		.00

FOR THESE CONDITIONS SHALL BE OBSERVED:
 PLUMBING - MECHANICAL 013-1863
 ELECTRICAL 700-4634

CITY OF ALAMEDA
 ENGINEERING OFFICE
 2263 Santa Clara Ave. Room 207
 Alameda, CA 94501 748-4614 or 748-4618

Permit No: C95-0157
 STATUS: APPROVED
 Applied : 07-26-95
 Approved : 08-02-95

JOB ADDRESS : 1650 PARK ST
 Parcel number : 070 -0191-001-01
 OWNER : GALL, NELLE B & BECK, PETER
 2724 BROOKSIDE ST
 SAN FRANCISCO CA 94117
 APPLICANT : AMERICAN CONSTRUCTION
 1570 LIVERMORE ST
 LIVERMORE, CA 94551
 510-447-2484

HOURS OF CONSTRUCTION
 MONDAY - FRIDAY 7 A.M. TO 7 P.M.

Jeri L Stack
 Signature

Repair Order #: REPLACE SIDEWALK
 Project Desc.: REPLACE SIDEWALK
 CONTRACTOR: AMERICAN CONSTRUCTION
 567 EXCHANGE CT
 LIVERMORE, CA 94551

Fee description	Unit	Fee Unit	Ext	Fee Date
FILING FEE			4.00	
ADDITIONAL MICROFICHE FEE		4.00	4.00	
Concrete Permit Fee			33.70	
Concrete Permit Deposit		500.00	500.00	
TOTAL			562.70	
*** Fees Required ***	***	Fees Collected & Credits	***	

Account No.	Receipt No.	Date	Payment
001-300-4240-3792	R9503592	07/26/95	4.00
001-300-4240-3792	R9503591	07/26/95	33.70
001-220-3000-1107	R9503591	07/26/95	500.00
001-300-4240-3795	R9503592	07/26/95	12.00
001-300-4240-3790	R9503592	07/26/95	5.00
001-300-4240-3790	R9503592	07/26/95	1.00
Fees:			562.70
Total Fees:			562.70
		Total Credits:	
		Total Payments:	562.70
		Balance Due:	

FORMS MUST BE INSPECTED PRIOR TO CONCRETE POUR
 CALL 748-4614 OR 748-4618 FOR INSPECTION

NOTE: ALL CONSTRUCTION SHALL BE PERMITTED WITHIN THE CITY OF ALAMEDA
 WITH FLASHERS FOR NIGHT VISIBILITY. ALL WORK SHALL BE COMPLETED WITHIN THE
 SPECIFIED TIME FRAME AND SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE
 CITY ENGINEER.

INSPECTOR

CALL 748-4614 OR 748-4618 FOR INSPECTION OF FORMS AND AFTER
 COMPLETION. INSPECTION MUST BE DONE WITHIN 48 HOURS OF BEING
 PROCESSED. NO REFUND. PERMITS ARE NOT VALID WITHOUT INSPECTION.



MANAGEMENT DISTRICT

939 ELLIS STREET
SAN FRANCISCO, CALIFORNIA 94109
(415) 771-5000

REMOVAL OF CONTAMINATED SOIL AND
Removal of Underground Storage Tanks

NOTIFICATION FORM

- Removal or Replacement of Tanks.
- Excavation of Contaminated Soil

FAXED
8/2
SITE INFORMATION.

SITE ADDRESS 1650 Park Street
 CITY, STATE, ZIP Alameda CA 94501
 OWNER NAME Winner Ford
 SPECIFIC LOCATION OF PROJECT Corner of Buena Vista and Park ST.

TANK REMOVAL
 SCHEDULED STARTUP DATE Aug. 10, 95
 VAPORS REMOVED BY:
 WATER WASH
 VAPOR FREEING (CO²)
 VENTILATION

CONTAMINATED SOIL EXCAVATION
 SCHEDULED STARTUP DATE Aug. 10 95
 STOCKPILES WILL BE COVERED? YES NO
 ALTERNATIVE METHOD OF AERATION (DESCRIBE BELOW):

 (MAY REQUIRE PERMIT)

CONTRACTOR INFORMATION

NAME American Construction CONTACT Terrri Stack
Rick Henderson
 ADDRESS 567 Exchange Court PHONE (510) 447-2484
 CITY, STATE, ZIP Livermore, CA 94550

CONSULTANT INFORMATION (IF APPLICABLE)

NAME Blymyer Engineers CONTACT Deborah Underwood
 ADDRESS 1829 Clement Ave PHONE (510) 521-3773
 CITY, STATE, ZIP Alameda CA 94501

FOR OFFICE USE ONLY

DATE RECEIVED _____ BY _____ (INIT.)
 CC: INSPECTOR NO. _____ DATE _____ BY _____ (INIT.)
 TELEPHONE UPDATE: CALLER _____ CHANGE MADE _____
 BAAQMD N # _____

Pg 1

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

Hazardous Materials Inspection Form

1131 Harbor Bay Pkwy.
Suite 250
Alameda, CA 94502-6577
(510) 567-6700

II, III

Site ID # _____ Site Name Winnerford Today's Date 8/10/95

Site Address 1650 Park St

City Alameda Zip 94501 Phone _____

- 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 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(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

- 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 tsg
 - 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 Submit 2711
 - Date: _____
 - 14. As Built 2635
 - Date: _____

Rev 6/88

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:

Came out to see removal of 550-gallon gas UST and 255-gallon waste oil UST. UEL = 9 and O₂ = 5 on GasTech for gas UST. Mike Devlan, Fire Dept, was out at site. No holes were observed in the gas UST. The gas UST was corroded w/ pitting and stained. Sandy backfill soil was observed on tank. Large holes noted along seam of top of waste oil UST and on bottom of tank (waste oil UST shaped more like a large drum). The whole bottom of the tank was coming off at the seams, & we could see oily residue & melted dry ice coming out from these seams. The waste oil UST was wrapped in vespa for transport. The waste oil UST was actually ~100 gallon capacity. I requested that the fill pipe for the waste oil UST be removed or grouted before capping - same w/ the gas line. The dispenser for the gas UST will be removed.

II, III

Contact: Deborah Underwood, Blymyer

Title: Geologist

Signature: [Signature]

Inspector: Juliet Shin

Signature: [Signature]

white --env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Inspection Form

1131 Harbor Bay Pkwy.
Suite 250
Alameda, CA 94502-6577
(510) 567-6700

II, III

Site ID # _____ Site Name Winner Ford Today's Date 8/10/95

Site Address 1650 Park ST.

City Alameda Zip 94 Phone _____

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

Inspection Categories:

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

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

Comments:

and a sample will be collected beneath the dispenser. Stained soil noted beneath fill end, which is to southeast. Soils were clayey sand w/ very strong odor. Sample collected from beneath fill end of gas UST was collected from 8-foot bgs, had strong odor, & was stained. A very small amount of what appeared to be groundwater was seeping into gas pit. Blymyer decided to conduct limited excavation to determine, roughly, what extent of contaminated soil is. Depth of gas pit before excavation was 8' bgs. Groundwater began recharging more readily at 9.25' bgs. Stained soil began at ~4 1/2' bgs on sidewalls. Top of gas tank was at 3 1/2' bgs. Due to all the disturbance & obvious contamination of soil, no groundwater sample will be collected from the pit w/ the understanding that a groundwater investigation will be required. One soil sample will be

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. MAT'L'S

- 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(e)
- 17. Certification 25534(f)
- 18. Exemption Request? (Y/N) 25536(b)
- 19. Trade Secret Requested? 25538

III. UNDERGROUND TANKS (Title 23)

- General
- 1. Permit Application 25284 (HS)
 - 2. Pipeline Leak Detection 25292 (HS)
 - 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 teting
 - 8) Annual Tank Testing
 - Daily Inventory
 - 9) Other _____

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

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

II, III

Contact: Deborah Underwood, Blymyer

Title: Geologist

Signature: _____

Inspector: Juliet Shin

Signature: Juliet Shin

193

white - env. health
yellow - facility
pink - files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Inspection Form

1131 Harbor Bay Pkwy.
Suite 250
Alameda, CA 94502-6577
(510) 567-6700

II, III

Site ID # _____ Site Name Winner Ford Today's Date 8/10/95

Site Address 1650 Park St.

City Alameda Zip 94501 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.A BUSINESS PLANS (Title 19)

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II.B ACUTELY HAZ. MATLS

- 10. Registration Form Filed 25533(a)
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- 12. RMPP Contents 25534(c)
- 13. Implement Sch. Rec'd? (Y/N)
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- 15. Probable Risk Assessment 25534(d)
- 16. Persons Responsible 25534(a)
- 17. Certification 25534(f)
- 18. Exemption Request? (Y/N) 25536(b)
- 19. Trade Secret Requested? 25538

III. UNDERGROUND TANKS (Title 23)

- | | | |
|---|---|------|
| General | <input type="checkbox"/> 1. Permit Application 25284 (H&S) | |
| | <input type="checkbox"/> 2. Pipeline Leak Detection 25292 (H&S) | |
| | <input type="checkbox"/> 3. Records Maintenance 2712 | |
| | <input type="checkbox"/> 4. Release Report 2651 | |
| | <input type="checkbox"/> 5. Closure Plans 2670 | |
| Monitoring for Existing Tanks | <input type="checkbox"/> 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 _____ | | |
| <input type="checkbox"/> 7. Precs Tank Test | 2643 | |
| Date: _____ | | |
| <input type="checkbox"/> 8. Inventory Rec. | 2644 | |
| <input type="checkbox"/> 9. Soil Testing | 2646 | |
| <input type="checkbox"/> 10. Ground Water. | 2647 | |
| New Tanks | <input type="checkbox"/> 11. Monitor Plan | 2632 |
| | <input type="checkbox"/> 12. Access Secure | 2634 |
| | <input type="checkbox"/> 13. Plans Submit | 2711 |
| | Date _____ | |
| <input type="checkbox"/> 14. As Built | 2635 | |
| Date _____ | | |

Comments:
 from each sidewall at the soil/water interface. Stained soil still left in place because excavation limited by sidewalk, street, and building. Soil sample collected from sidewalk at southeast end at ~8' bgs. Still clayey sand. Sample had slight staining. Sample collected from northwest sidewalk at ~8' bgs. Sample was stained w/ strong odor. Sheen observed on water. Soil sample from southwest end was stained, had odor, & was collected at 8' bgs. Sample from north/northeast sidewalk was also collected from 8' bgs & was also stained w/ odor. 8-8 1/2' bgs is soil/water interface. Dimensions of pit is 11' x 6' wide x 8 1/2' deep. No groundwater noted in waste oil UST pit. Soil sample collected from beneath waste oil UST at 6.5' bgs. No staining or odor in this sample. Will try & remove waste oil fill pipe today & gas pipe will be removed & grounded.

II, III

Contact: Deborah Underwood, Blymyer
 Title: Geologist
 Signature: [Signature]

Inspector: Subet Shyn
 Signature: [Signature]

UNDERGROUND TANK REMOVAL FORM

DATE 8/10/95

ADDRESS 1650 Park St. (Winner Ford)

NUMBER OF TANKS REMOVED (2)

SIZE OF TANKS REMOVED 500 (gasoline) 250 (waste oil)

TYPE OF TANKS EXP. GASOLINE
waste oil

L.E.L. READINGS gasoline (9) waste oil (0)

OXYGEN READINGS gasoline (5) waste oil (0)

NAME AND ADDRESS OF COMPANY REMOVING TANK American Construction

567 Exchange Ct., Livermore, CA 94550

NAME AND ADDRESS OF HAULER Erickson

255 Park Blvd., Richmond, CA

MANIFEST NUMBER 93137588

NAME AND ADDRESS OF COMPANY DOING SOIL SAMPLES Blymyer Engineers

1829 Clement Ave., Alameda, CA


NUMBER OF SOIL SAMPLES 500 (1) 255 (1)

ALAMEDA COUNTY HAZ - MAT ON SCENE YES X NO

NAME OF COUNTY HAZ - MAT Julie Chin


Mike ...
F.P.B. INSPECTOR

PHONE 510-521-3773 FAX 510-862-2594



BLYMYER
ENGINEERS, INC.
DEBORAH UNDERWOOD
Geologist
1829 CLEMENT AVE ALAMEDA, CA 94501-1395

AMERICAN CONSTRUCTION & ENVIRONMENTAL SERVICES, INC.
LICENSE # 702214



JOE MARTINEZ
567 EXCHANGE COURT
LIVERMORE, CA 94550
(510) 447-2484
FAX (510) 447-8178

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

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA1E1010110531160663764	Manifest Document No. 966364	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address Julie Beck Ball 2720 BRODERICK ST. SAN FRANCISCO CA 94123				88	
4. Generator's Phone (415) 561-0955					
5. Transporter 1 Company Name TRIDENT TRUCKLINE CO		6. US EPA ID Number CA1D9824843710			
7. Transporter 2 Company Name		8. US EPA ID Number			
9. Designated Facility Name and Site Address ERICKSON 255 PARR BLVD. RICHMOND, CA. 94801		10. US EPA ID Number CA1D101019466392			
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) a. WASTE EMPTY TANK NON-RCRA HAZARDOUS WASTE SOLID		12. Containers		13. Total -	14. Unit
		No.	Type	Quantity	Wt/Vol
		0102	T P	00755	P
b.					
c.					
d.					
15. Special Handling Instructions and Additional Information KEEP AWAY FROM SOURCES OF IGNITION. ALWAYS WEAR HARDHATS AROUND UNDERGROUND STORAGE TANKS. 24 HR. CONTACT NAME: AMERICAN CONSTRUCTION AND PHONE: 510-447-2484					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable federal, state and international laws. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name Michelle Nokes		Signature <i>Michelle Nokes</i>		Month 01	Day 10
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name BOB SONNA		Signature <i>Bob Sonna</i>		Month 01	Day 10
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month	Day
19. Discrepancy Indication Space					
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19 Printed/Typed Name KAREN RUFFIN		Signature <i>Karen Ruffin</i>		Month 01	Day 11

DO NOT WRITE BELOW THIS LINE.

DAY OR NIGHT
TELEPHONE
(510) 235-1393

CERTIFICATE CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

NO. 17563

CUSTOMER
~~GOLDEN WEST BU~~
JOB NO.
966364

FOR: ~~ERICKSON, INC.~~ TANK NO. ~~16300~~

LOCATION: ~~RICHMOND~~ DATE: ~~95/08/14~~ TIME: ~~11:03~~

TEST METHOD ~~VISUAL GASTECH/1314 SMPN~~ LAST PRODUCT ~~WO~~

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 ~~255~~ 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.~~
~~ERICKSON, INC. HAS THE APPROPRIATE PERMITS FOR, AND HAS ACCEPTED THE TANK~~
~~SHIPPED TO US FOR PROCESSING.~~

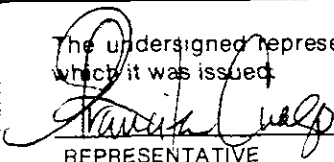
In the event of any physical or atmospheric changes affecting the gas-free conditions of the above tanks, or if in any doubt, immediately stop all hot work and contact the undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.

STANDARD SAFETY DESIGNATION

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

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

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


REPRESENTATIVE

TITLE


INSPECTOR

DAY OR NIGHT
TELEPHONE
(510) 235-1393

CERTIFICATE CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

NO. 17564

CUSTOMER
GOLDEN WEST BU
JOB NO.
966364

FOR: ERICKSON, INC. TANK NO. 16301

LOCATION: RICHMOND DATE: 95/08/14 TIME: 11:04

TEST METHOD VISUAL GASTECH/1314 SMPN LAST PRODUCT UG

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

TANK SIZE 500 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.
ERICKSON, INC. HAS THE APPROPRIATE PERMITS FOR, AND HAS ACCEPTED THE TANK SHIPPED TO US FOR PROCESSING.

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

STANDARD SAFETY DESIGNATION

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

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

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

[Signature] REPRESENTATIVE TITLE [Signature] 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 THEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM.	
REPORT DATE 0 8 3 0 9 5 <small>M M - d d - y y</small>		CASE # _____		SIGNED _____ DATE _____	
REPORTED BY	NAME OF INDIVIDUAL FILING REPORT D. Underwood		PHONE (510) 521-3773		SIGNATURE _____
	REPRESENTING <input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> OTHER		<input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD		COMPANY OR AGENCY NAME Blymyer Engineers, Inc.
	ADDRESS 1829 Clement Avenue, Alameda, CA 94501 <small>STREET CITY STATE ZIP</small>				
RESPONSIBLE PARTY	NAME Beck Family Properties/Winner Ford		CONTACT PERSON Michelle Nokes, Winner Ford		PHONE (510) 865-3673
	ADDRESS 1650 Park Street, Alameda, CA 94501 <small>STREET CITY STATE ZIP</small>				
SITE LOCATION	FACILITY NAME (IF APPLICABLE) Winner Ford		OPERATOR Michelle Nokes		PHONE (510) 865-3673
	ADDRESS 1650 Park Street, Alameda, CA 94501 <small>STREET CITY COUNTY ZIP</small>				
	CROSS STREET Buena Vista				
IMPLEMENTING AGENCIES	LOCAL AGENCY AGENCY NAME Alameda Cty Health Care Services Agency		CONTACT PERSON Eva Chu		PHONE (510) 567-6700
	REGIONAL BOARD San Francisco Bay Region RWQCB		PHONE ()		
SUBSTANCES INVOLVED	(1) NAME Unleaded gasoline		QUANTITY LOST (GALLONS) _____ <input type="checkbox"/> UNKNOWN		
	(2) _____		_____ <input type="checkbox"/> UNKNOWN		
DISCOVERY/ABATEMENT	DATE DISCOVERED 0 8 31 0 9 5 <small>M M - d d - y y</small>		HOW DISCOVERED <input type="checkbox"/> TANK TEST <input checked="" type="checkbox"/> TANK REMOVAL <input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS <input type="checkbox"/> OTHER _____		
	DATE DISCHARGE BEGAN _____ <input checked="" type="checkbox"/> UNKNOWN		METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input checked="" type="checkbox"/> REMOVE CONTENTS <input checked="" type="checkbox"/> CLOSE TANK & REMOVE <input type="checkbox"/> REPAIR PIPING		
	HAS DISCHARGE BEEN STOPPED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE 0 2 X X 9 4 <small>M M - d d - y y</small>		<input type="checkbox"/> REPAIR TANK <input type="checkbox"/> CLOSE TANK & FILL IN PLACE <input type="checkbox"/> CHANGE PROCEDURE <input type="checkbox"/> REPLACE TANK <input checked="" type="checkbox"/> OTHER <u>Rinse, grout, cap piping</u>		
SOURCE/CAUSE	SOURCE OF DISCHARGE <input type="checkbox"/> TANK LEAK <input checked="" 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 type="checkbox"/> CORROSION <input type="checkbox"/> UNKNOWN <input type="checkbox"/> OTHER _____		
	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 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"/> EXCAVATE & DISPOSE (ED)		<input type="checkbox"/> REMOVE FREE PRODUCT (FP)
	<input type="checkbox"/> CONTAINMENT BARRIER (CB)		<input type="checkbox"/> EXCAVATE & TREAT (ET)		<input type="checkbox"/> PUMP & TREAT GROUNDWATER (GT)
	<input type="checkbox"/> VACUUM EXTRACT (VE)		<input type="checkbox"/> NO ACTION REQUIRED (NA)		<input type="checkbox"/> TREATMENT AT HOOKUP (HU)
COMMENTS	_____				



August 23, 1995

Ms. Debra Underwood
Blymyer Engineers, Inc.
1829 Clement Avenue
Alameda, CA 94501

Dear Ms. Underwood:

Enclosed is the report for the nine (9) soil samples. The samples were received at Sparger Technology Analytical Lab on August 10, 1995.

The samples were received in nine (9) brass tubes. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

The report consists of the following sections:

- I. Sample Description
- II. Analysis Request
- III. Quality Control Report
- IV. Analysis Results

No problems were encountered with the analysis of your samples.

If you have questions, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "R. L. James".

R. L. James
Principal Chemist

I Sample Description

See attached Samples Description Information.

The samples were received under chain-of-custody.

II Analysis Request

The following analytical tests were requested:

<u>Lab ID</u>	<u>Your ID</u>	<u>Analysis Description</u>
ST95-08-525A	GT-S1-8'	TPHgas & BTEX
ST95-08-526A	GT-S2-8'	TPHgas & BTEX
ST95-08-527A	GT-S3-8'	TPHgas & BTEX
ST95-08-528A	GT-S4-8'	TPHgas & BTEX
ST95-08-529A	GT-F-8'	TPHgas & BTEX
ST95-08-530A	GT-D-1'	TPHgas & BTEX
ST95-08-531A	GT-SP-1	TPHgas & BTEX
ST95-08-532A	GT-SP-1	Total Lead
ST95-08-533A	WOT-SP-1	TPHgas & BTEX
ST95-08-534A	WOT-SP-1	8240
ST95-08-535A	WOT-SP-1	418.1
ST95-08-536A	WOT-SP-1	8270
ST95-08-537A	WOT-SP-1	17 CCR Metals (Total)
ST95-08-538A	WOT-F-6.5'	TPHgas & BTEX
ST95-08-539A	WOT-F-6.5'	TPHdiesel
ST95-08-540A	WOT-F-6.5'	8240
ST95-08-541A	WOT-F-6.5'	8270 incl. PNA, PCB,PCP, Creosote
ST95-08-542A	WOT-F-6.5'	418.1
ST95-08-543A	WOT-F-6.5'	5 LUFT Metals (Total)

III Quality Control

A. **Project Specific QC.** No project specific QC (i.e., spikes and/or duplicates) was requested.

B. **Method Blank Results.** A method blank is a laboratory-generated sample which assesses the degree to which laboratory operations and procedures cause false-positive analytical results for your sample.

No target parameters were detected in the method blank associated with your sample at the reporting limit levels noted on the data sheets in the Analytical Results section.

C. **Laboratory Control Spike.** A Laboratory Control Spike (LCS) is a sample which is spiked with known analyte concentrations, and analyzed at approximately 10% of the sample load in order to establish method-specific control limits. The LCS results associated with your samples are on the attached Laboratory Control Spike and Laboratory Control Spike Duplicate Analysis Report.

D. **Matrix Spike Results.** A Matrix Spike is a sample which is spiked with known analyte concentrations, and analyzed at approximately 10% of the sample load in order to establish method-specific control limits. The Matrix Spike results associated with your samples are on the attached Matrix Spike and Matrix Spike Duplicate Analysis Report.

Accuracy is measured by Percent Recovery as in:

$$\% \text{ recovery} = \frac{(\text{measured concentration}) \times 100}{(\text{actual concentration})}$$

IV Analysis Results

Results are on the attached data sheets.

8020/8015 Modified Analysis Report

Project: Winner Ford (95048)



Attention: Ms. Debra Underwood
 Blymyer Engineers, Inc.
 1829 Clement Avenue
 Alameda, CA 94501

Date Sampled: Aug 10, 1995
 Date Received: Aug 10, 1995
 Date Analyzed: Aug 15, 1995
 Invoice #: 5299

Matrix: Soil

Unit = mg/kg

Lab ID	Client ID	B	Det Limit	T	Det Limit	E	Det Limit	X	Det Limit	TPHgas	Det Limit	Surrogate % Recovery of Trifluorotoluene	Dilution 1:
ST95-08-525A	GT-S1-8'	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	1.0	63% *	1
ST95-08-526A	GT-S2-8'	ND	0.25	1.7	0.25	1.6	0.25	5.5	0.25	130	50	62% *	50
ST95-08-527A	GT-S3-8'	ND	0.25	1.8	0.25	1.6	0.25	5.6	0.25	150	50	110%	50
ST95-08-528A	GT-S4-8'	36	25	410	25	150	25	500	25	7100	5000	109%	5000
ST95-08-529A	GT-F-8'	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND **	100	75%	100
ST95-08-530A	GT-D-1'	1300	50	4400	50	1100	50	3400	50	46000	10000	104%	10000
ST95-08-531A	GT-SP-1	7.0	2.5	47	2.5	47	2.5	160	2.5	3700	500	96%	500
ST95-08-533A	WOT-SP-1	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	1.0	44% *	1
ST95-08-538A	WOT-F-6.5'	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	1.0	44% *	1

ppb = parts per billion = ug/L = micrograms per Liter
 ppm = parts per million = mg/kg = milligrams per kilogram
 ND = Not Detected Compound(s) may be present at concentrations below the detection limit

* Surrogate recovery affected by sample matrix.

** Early eluting unknown hydrocarbon contaminant present; Recommend 8240.

R. L. James, Principal Chemist

Aug 17, 1995
 Date Reported

Analytical Laboratory Division
 Mobile Laboratory Division
 Scientific Division

3050 Fresno Street Suite 12 • Sacramento, California 95827 • (916) 362-8947 • FAX (916) 362-0947

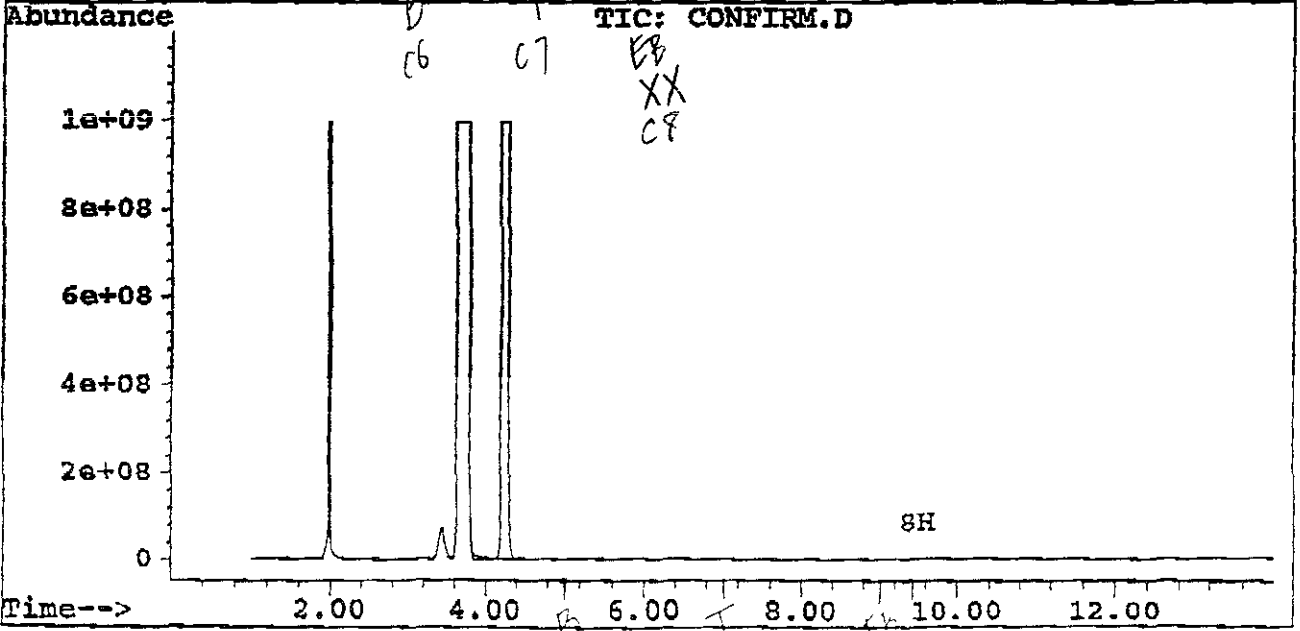
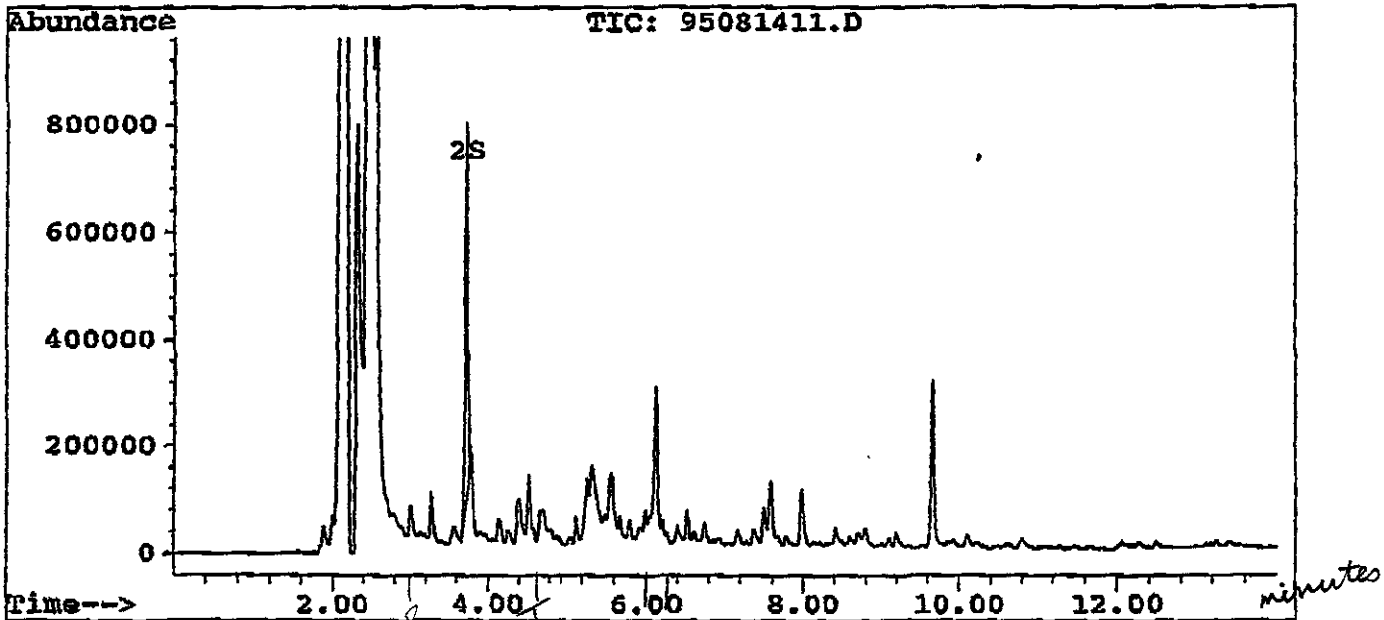
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\081595A\95081411.D Vial: 11
 Signal #2 : C:\HPCHEM\5\DATA\081595A\95081411.D\CONFIRM.D
 Acq On : 15 Aug 95 09:16 PM Operator: CAMERON
 Sample : ST95-08-529A Inst : VAR-2
 Misc : GT-P-8' 1:100(SOIL) INV.5299 Multiplr: 0.1250
 Quant Time: Aug 15 21:32 1995

Method : C:\HPCHEM\5\METHODS\BTEX1A.M
 Title : GC TPH Method
 Last Update : Thu Aug 17 10:42:27 1995
 Response via : Single Level Calibration

Attn: Ms Debra Underwood

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



6b 6c XX

**8020 Modified Laboratory Control Spike (LCS) &
Laboratory Control Spike Duplicate (LCSD) BTEX Analysis Report**

Attention: Ms. Debra Underwood
Blymyer Engineers, Inc.
1829 Clement Avenue
Alameda, CA 94501

Date Sampled: Aug 10, 1995
Date Received: Aug 10, 1995
Date Analyzed: Aug 15, 1995

Project ID: 95048

Project Name: Winner Ford

Client ID: LCS/LCSD

LAB ID: ST95-08-015 LCS
ST95-08-015 LCSD

Matrix: Soil

Dilution:

Name	Conc. Spike Added	Sample Result	LCS Result	LCSD Result	Units	LCS % Recovery	LCSD % Recovery	% RPD Recovery
Benzene	30 ppb	ND	30	30	ug/kg	100%	100%	0%
Toluene	30 ppb	ND	30	29	ug/kg	100%	97%	3%
Ethylbenzene	30 ppb	ND	27	27	ug/kg	90%	90%	0%
Xylenes	30 ppb	ND	28	28	ug/kg	93%	93%	0%

Surrogate % Recovery of Trifluorotoluene =

98% LCS

96% LCSD

ppb = parts per billion = ug/kg = micrograms per kilogram
ppm = parts per million = ug/g = micrograms per gram
ND = Not Detected. Compound(s) may be present at concentrations below the detection limit.



R. L. James, Principal Chemist

Aug 17, 1995

Date Reported

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC. IS CERTIFIED BY THE STATE OF CALIFORNIA
DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY
(Certification No. 1614)

**8020 Modified Matrix Spike (MS) & Matrix Spike Duplicate (MSD)
BTEX Analysis Report**

Attention: Ms. Debra Underwood
Blymyer Engineers, Inc.
1829 Clement Avenue
Alameda, CA 94501

Date Sampled: Aug 10, 1995
Date Received: Aug 10, 1995
Date Analyzed: Aug 15, 1995

Project ID: 95048

Project Name: Winner Ford

Client ID: MS/MSD (Batch)

LAB ID: ST95-08-788A MS
ST95-08-788A MSD

Matrix: Soil

Dilution:

Name	Conc. Spike Added	Sample Result	MS Result	MSD Result	Units	MS % Recovery	MSD % Recovery	% RPD Recovery
Benzene	30 ppb	ND	30	30	ug/kg	100%	100%	0%
Toluene	30 ppb	ND	30	28	ug/kg	100%	93%	7%
Ethylbenzene	30 ppb	ND	29	28	ug/kg	97%	93%	4%
Xylenes	30 ppb	ND	28	29	ug/kg	93%	97%	4%

Surrogate % Recovery of Trifluorotoluene =

98% MS

96% MSD

ppb = parts per billion = ug/kg = micrograms per kilogram
ppm = parts per million = ug/g = micrograms per gram
ND = Not Detected. Compound(s) may be present at concentrations below the detection limit.



R. L. James, Principal Chemist

Aug 17, 1995

DATE

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC. IS CERTIFIED BY THE STATE OF CALIFORNIA
DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY

(Certification No. 1614)

8015 Modified Analysis Report

Attention:	Ms. Debra Underwood Blymyer Engineers, Inc. 1829 Clement Avenue Alameda, CA 94501	Date Sampled:	Aug. 10, 1995
		Date Received:	Aug. 10, 1995
		Date Analyzed:	Aug. 14, 1995
Project #:	95048	Project Name:	Winner Ford
Client ID:	WOT-F-6.5'	LAB ID:	ST95-08-539A
Matrix:	Soil	Dilution:	1: 1

Name	Amount	Detection Limit	Units
TPHdiesel	ND	1.0	ug/g

ppb = parts per billion = ug/kg = micrograms per kilogram

ppm = parts per million = ug/g = micrograms per gram

ND = Not Detected. Compound(s) may be present at concentrations below the detection limit.



R. L. James, Principal Chemist

Aug 17, 1995

Date Reported

**8015 Modified Matrix Spike (MS) &
Matrix Spike Duplicate (MSD)
TPHdiesel Analysis Report**

Attention: Ms. Debra Underwood
Blymyer Engineers, Inc.
1829 Clement Avenue
Alameda, CA 94501

Date Sampled: Aug 10, 1995
Date Received: Aug 10, 1995
Date Analyzed: Aug 14, 1995

Project ID: 95048

Project Name: Winner Ford

Client ID: MS/MSD (Batch)

LAB ID: ST95-08-399A MS
ST95-08-399A MSD

Matrix: Soil

Dilution:

Name	Conc. Spike Added	Sample Result	MS Result	MSD Result	Units	MS % Recovery	MSD % Recovery	% RPD Recovery
TPHdiesel	15 ppm	ND	15	15	ug/g	100%	100%	0%

ppb = parts per billion = ug/kg = micrograms per kilogram
ppm = parts per million = ug/g = micrograms per gram
ND = Not Detected. Compound(s) may be present at concentrations below the detection limit.



R. L. James, Principal Chemist

Aug. 17, 1995
Date Reported

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC. IS CERTIFIED BY THE STATE OF CALIFORNIA
DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY
(Certification No. 1614)

EPA 418.1 Analysis Report

Attention: Ms. Debra Underwood
Blymyer Engineers, Inc.
1829 Clement Avenue
Alameda, CA 94501

Date Sampled: Aug. 10, 1995
Date Received: Aug. 10, 1995
Date Analyzed: Aug. 18, 1995

Project #: 95048

Project Name: Winner Ford

Client ID: WOT-F-6.5'

LAB ID: ST95-08-542A

Matrix: Soil

Dilution: 1: 10

Name	Amount	Reporting Limit	Units
Hydrocarbons	3100	500	mg/kg

ppb = parts per billion = ug/kg = microgram per kilogram

ppm = parts per million = mg/kg = milligrams per kilogram

ND = Not Detected Compound(s) may be present at concentrations below the detection limit.



R. L. James, Principal Chemist

Aug. 18, 1995

Date Reported

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DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY
(Certification No. 1614)

EPA 418.1 Analysis Report

Attention:	Ms. Debra Underwood Blymyer Engineers, Inc. 1829 Clement Avenue Alameda, CA 94501	Date Sampled:	Aug. 10, 1995
		Date Received:	Aug. 10, 1995
		Date Analyzed:	Aug. 18, 1995
Project #:	95048	Project Name:	Winner Ford
Client ID:	WOT-SP-1	LAB ID:	ST95-08-535A
Matrix:	Soil	Dilution:	1: 1

Name	Amount	Reporting Limit	Units
Hydrocarbons	360	50	mg/kg

ppb = parts per billion = ug/kg = microgram per kilogram

ppm = parts per million = mg/kg = milligrams per kilogram

ND = Not Detected. Compound(s) may be present at concentrations below the detection limit.



R. L. James, Principal Chemist

Aug. 18, 1995

Date Reported

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC. IS CERTIFIED BY THE STATE OF CALIFORNIA
DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY
(Certification No. 1614)

Metal EPA Method 6010

Attention: Ms. Debra Underwood
Blymyer Engineers, Inc.
1829 Clement Avenue
Alameda, CA 94501

Date Sampled: Aug 10, 1995
Date Received: Aug 10, 1995
Date Analyzed: Aug 15, 1995

Project #: 95048

Project Name: Winner Ford

Client ID: GT-SP-1

LAB ID: ST95-08-532A

Matrix: Soil

Dilution:

Name	Amount	Reporting Limit	Units
Lead (Pb)	11	1.0	mg/Kg

ppm= parts per million = mg/Kg = milligram per Kilogram

ND = Not Detected. Compound(s) may be present at concentrations below the detection limit.



R. L. James, Principal Chemist

Aug 16, 1995

Date Reported

SPARGER TECHNOLOGY ANALYTICAL LABORATORY INC IS CERTIFIED BY THE STATE OF CALIFORNIA
DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY
(Certification No 1614)

**Metals, CAM 17
EPA Method 6010/7000 Modified**

Attention: Ms. Debra Underwood Date Sampled: Aug 10, 1995
Blymyer Engineers, Inc. Date Received: Aug 10, 1995
1829 Clement Avenue Date Analyzed: Aug 14, 1995
Alameda, CA 94501

Project #: 95048 Project Name: Winner Ford

Client ID: WOT-SP-1 LAB ID: ST95-08-537A

Matrix: Soil Dilution:

Name	Amount	Reporting Limit	Units
Antimony (Sb)	ND	6.0	mg/Kg
Arsenic (As)	ND	10	mg/Kg
Barium (Ba)	61	10	mg/Kg
Beryllium (Be)	ND	0.50	mg/Kg
Cadmium (Cd)	ND	0.50	mg/Kg
Chromium (Cr)	33	1.0	mg/Kg
Cobalt (Co)	5.2	5.0	mg/Kg
Copper (Cu)	7.2	2.5	mg/Kg
Lead (Pb)	38	1.0	mg/Kg
Mercury (Hg)	0.029	0.010	mg/Kg
Molybdenum (Mo)	ND	4.0	mg/Kg
Nickel (Ni)	22	4.0	mg/Kg
Selenium (Se)	ND	10	mg/Kg
Silver (Ag)	ND	1.0	mg/Kg
Thallium (Tl)	ND	10	mg/Kg
Vanadium (V)	24	5.0	mg/Kg
Zinc (Zn)	44	1.5	mg/Kg

ppm= parts per million = mg/Kg = milligram per Kilogram

ND = Not Detected Compound(s) may be present at concentrations below the detection limit.



R. L. James, Principal Chemist

Aug 16, 1995

Date

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC. IS CERTIFIED BY THE STATE OF CALIFORNIA
DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY
(Certification No. 1614)

Metals, CAM 5 EPA Method 6010

Attention: Ms. Debra Underwood
Blymyer Engineers, Inc.
1829 Clement Avenue
Alameda, CA 94501

Date Sampled: Aug 10, 1995
Date Received: Aug 10, 1995
Date Analyzed: Aug 14, 1995

Project #: 95048

Project Name: Winner Ford

Client ID: WOT-F-6.5'

LAB ID: ST95-08-543A

Matrix: Soil

Dilution:

Name	Amount	Reporting Limit	Units
Cadmium (Cd)	ND	0.50	mg/Kg
Chromium (Cr)	ND	1.0	mg/Kg
Lead (Pb)	ND	1.0	mg/Kg
Nickel (Ni)	ND	4.0	mg/Kg
Zinc (Zn)	ND	1.5	mg/Kg

ppm= parts per million = mg/Kg = milligram per Kilogram

ND = Not Detected. Compound(s) may be present at concentrations below the detection limit.

NR = Not Requested.



R. L. James Principal Chemist

Aug 16, 1995

Date Reported

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC. IS CERTIFIED BY THE STATE OF CALIFORNIA
DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY
(Certification No. 1614)

Metals, CAM 17 Soil LCS / LCSD Recoveries

Attention: Ms. Debra Underwood
Blymyer Engineers, Inc.
1829 Clement Avenue
Alameda, CA 94501

Date Sampled: Aug 10, 1995
Date Received: Aug 10, 1995
Date Analyzed: Aug 14, 1995

Project #: 95048

Project Name: Winner Ford

Client ID: LCS/LCSD

LAB ID: 950811A

Matrix: Soil

Dilution:

Units: (mg/Kg)

Element	Spike Conc.	LCS	LCS % Recovery	LCSD	LCSD % Recovery	% RSD
Antimony (Sb)	50	55	110%	54	108%	2%
Arsenic (As)	50	52	104%	52	104%	0%
Barium (Ba)	50	57	114%	56	112%	2%
Beryllium (Be)	10	11	110%	10	100%	10%
Cadmium (Cd)	20	21	105%	21	105%	0%
Chromium (Cr)	50	54	108%	53	106%	2%
Cobalt (Co)	20	22	110%	22	110%	0%
Copper (Cu)	50	53	106%	53	106%	0%
Lead (Pb)	50	52	104%	52	104%	0%
Mercury (Hg)	0.050	0.046	92%	0.044	88%	4%
Molybdenum (Mo)	20	22	110%	22	110%	0%
Nickel (Ni)	50	52	104%	52	104%	0%
Selenium (Se)	50	54	108%	55	110%	2%
Silver (Ag)	5.0	5.3	106%	5.2	104%	2%
Thallium (Tl)	50	50	100%	50	100%	0%
Vanadium (V)	20	22	110%	22	110%	0%
Zinc (Zn)	50	52	104%	52	104%	0%

ppm= parts per million = mg/Kg = milligram per Kilogram

ND = Not Detected. Compound(s) may be present at concentrations below the detection limit.

NR = Not Requested



R. L. James, Principal Chemist

Aug 16, 1995

Date Reported

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC. IS CERTIFIED BY THE STATE OF CALIFORNIA
DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY
(Certification No. 1614)

Metals, CAM 17 Soil MS / MSD Recoveries

Attention: Ms. Debra Underwood
Blymyer Engineers, Inc.
1829 Clement Avenue
Alameda, CA 94501

Date Sampled: Aug 10, 1995
Date Received: Aug 10, 1995
Date Analyzed: Aug 14, 1995

Project #: 95048

Project Name: Winner Ford

Client ID: MS/MSD

LAB ID: ST95-08-508A MS
ST95-08-508A MSD

Matrix: Soil

Dilution:

Element	Sample Conc.	Spike Conc.	MS	MS % Recovery	MSD	MSD % Recovery	% RSD
Antimony (Sb)	ND	50	46	92%	42	84%	9%
Arsenic (As)	ND	50	48	96%	47	94%	2%
Barium (Ba)	140	50	110	BE	130	BE	BE
Beryllium (Be)	ND	10	10	100%	9.9	99%	1%
Cadmium (Cd)	ND	20	20	100%	19	95%	5%
Chromium (Cr)	30	50	68	76%	72	84%	10%
Cobalt (Co)	6.9	20	25	91%	25	91%	0%
Copper (Cu)	34	50	70	72%	64	60%	18%
Lead (Pb)	19	50	70	102%	63	88%	15%
Mercury (Hg)	0.029	0.050	0.092	126%	0.092	126%	0%
Molybdenum (Mo)	ND	20	20	100%	20	100%	0%
Nickel (Ni)	51	50	87	72%	89	76%	5%
Selenium (Se)	ND	50	44	88%	40	80%	10%
Silver (Ag)	ND	5	4.7	94%	4.6	92%	2%
Thallium (Tl)	ND	50	44	88%	43	86%	2%
Vanadium (V)	46	20	53	BE	53	BE	BE
Zinc (Zn)	49	50	84	70%	79	60%	15%

ppm= parts per million = mg/Kg = milligram per Kilogram

ND = Not Detected. Compound(s) may be present at concentrations below the detection limit.

BE = Background in Excess



R. L. James, Principal Chemist

Aug 16, 1995

Date Reported

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC. IS CERTIFIED BY THE STATE OF CALIFORNIA
DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY
(Certification No. 1614)

8240 GCMS Analysis Report

Attention: Ms. Debra Underwood
Blymyer Engineers, Inc.
1829 Clement Avenue
Alameda, CA 94501

Date Sampled: Aug. 10, 1995
Date Received: Aug. 10, 1995
Date Analyzed: Aug. 16, 1995

Project #: 95048

Project Name: Winner Ford

Client ID: WOT-SP-1

LAB ID: ST95-08-534A

Matrix: Soil

Dilution: 1: 1

Name	Amount	Reporting Limit	Units
1,1 - Dichloroethane	ND	5.0	ug/kg
1,1 - Dichloroethene	ND	5.0	ug/kg
1,1,1 - Trichloroethane	ND	5.0	ug/kg
1,1,2 - Trichloroethane	ND	5.0	ug/kg
1,1,2,2 - Tetrachloroethane	ND	5.0	ug/kg
1,2 - Dichloroethane	ND	5.0	ug/kg
cis - 1,2 - Dichloroethene	ND	5.0	ug/kg
1,2 - Dichloropropane	ND	5.0	ug/kg
trans - 1,2 - Dichloroethene	ND	5.0	ug/kg
2 - Butanone	ND	10.0	ug/kg
2 - Hexanone	ND	10.0	ug/kg
4 - Methyl - 2 - pentanone	ND	10.0	ug/kg
Acetone	ND	25.0	ug/kg
Benzene	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	5.0	ug/kg
Carbon disulfide	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chloroethane	ND	5.0	ug/kg
Chloroform	ND	5.0	ug/kg
Chloromethane	ND	5.0	ug/kg
cis - 1,3 - Dichloropropene	ND	5.0	ug/kg
Dibromochloromethane	ND	5.0	ug/kg

ppb = parts per billion = ug/kg = micrograms per kilogram

ppm = parts per million = ug/g = micrograms per gram

ND = Not Detected. Compound(s) may be present at concentrations below the reporting limit.



Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

8240 GCMS Analysis Report

Attention: Ms. Debra Underwood
Blymyer Engineers, Inc.
1829 Clement Avenue
Alameda, CA 94501

Date Sampled: Aug. 10, 1995
Date Received: Aug. 10, 1995
Date Analyzed: Aug. 16, 1995

Project #: 95048 Project Name: Winner Ford
Client ID: WOT-SP-1 LAB ID: ST95-08-534A
Matrix: Soil Dilution: 1: 1

Name	Amount	Reporting Limit	Units
Ethyl benzene	ND	5.0	ug/kg
Methylene chloride	ND	10.0	ug/kg
Styrene	ND	5.0	ug/kg
Tetrachloroethene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
Meta/Para-Xylenes	ND	5.0	ug/kg
Ortho-Xylenes	ND	5.0	ug/kg
trans - 1,3 - Dichloropropene	ND	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Vinyl acetate	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg

Surrogate % Recovery 1,2 - Dichloroethane d-4 = 95%
Surrogate % Recovery Toluene d-8 = *
Surrogate % Recovery 4 - Bromofluorobenzene = *

ppb = parts per billion = ug/kg = micrograms per kilogram
ppm = parts per million = ug/g = micrograms per gram
ND = Not Detected. Compound(s) may be present at concentrations below the reporting limit.

* Loss of surrogate recovery due to matrix effect.

R. L. James, Principal Chemist

Aug 17, 1995

Date Reported

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC. IS CERTIFIED BY THE STATE OF CALIFORNIA
DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY
(Certification No. 1614)

8240 GCMS Analysis Report

Attention: Ms. Debra Underwood
Blymyer Engineers, Inc.
1829 Clement Avenue
Alameda, CA 94501

Date Sampled: Aug. 10, 1995
Date Received: Aug. 10, 1995
Date Analyzed: Aug. 16, 1995

Project #: 95048

Project Name: Winner Ford

Client ID: WOT-F-6.5'

LAB ID: ST95-08-540A

Matrix: Soil

Dilution: 1: 1

Name	Amount	Reporting Limit	Units
1,1 - Dichloroethane	ND	5.0	ug/kg
1,1 - Dichloroethene	ND	5.0	ug/kg
1,1,1 - Trichloroethane	ND	5.0	ug/kg
1,1,2 - Trichloroethane	ND	5.0	ug/kg
1,1,2,2 - Tetrachloroethane	ND	5.0	ug/kg
1,2 - Dichloroethane	ND	5.0	ug/kg
cis - 1,2 - Dichloroethene	ND	5.0	ug/kg
1,2 - Dichloropropane	ND	5.0	ug/kg
trans - 1,2 - Dichloroethene	ND	5.0	ug/kg
2 - Butanone	ND	10.0	ug/kg
2 - Hexanone	ND	10.0	ug/kg
4 - Methyl - 2 - pentanone	ND	10.0	ug/kg
Acetone	ND	25.0	ug/kg
Benzene	ND	5.0	ug/kg
Bromodichloromethane	ND	5.0	ug/kg
Bromoform	ND	5.0	ug/kg
Bromomethane	ND	5.0	ug/kg
Carbon disulfide	ND	5.0	ug/kg
Carbon tetrachloride	ND	5.0	ug/kg
Chlorobenzene	ND	5.0	ug/kg
Chloroethane	ND	5.0	ug/kg
Chloroform	ND	5.0	ug/kg
Chloromethane	ND	5.0	ug/kg
cis - 1,3 - Dichloropropene	ND	5.0	ug/kg
Dibromochloromethane	ND	5.0	ug/kg

ppb = parts per billion = ug/kg = micrograms per kilogram

ppm = parts per million = ug/g = micrograms per gram

ND = Not Detected Compound(s) may be present at concentrations below the reporting limit.

8240 GCMS Analysis Report

Attention: Ms. Debra Underwood
Blymyer Engineers, Inc.
1829 Clement Avenue
Alameda, CA 94501

Date Sampled: Aug. 10, 1995
Date Received: Aug. 10, 1995
Date Analyzed: Aug. 16, 1995

Project #: 95048

Project Name: Winner Ford

Client ID: WOT-F-6.5'

LAB ID: ST95-08-540A

Matrix: Soil

Dilution: 1: 1

Name	Amount	Reporting Limit	Units
Ethyl benzene	ND	5.0	ug/kg
Methylene chloride	ND	10.0	ug/kg
Styrene	ND	5.0	ug/kg
Tetrachloroethene	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
Meta/Para-Xylenes	ND	5.0	ug/kg
Ortho-Xylenes	ND	5.0	ug/kg
trans - 1,3 - Dichloropropene	ND	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Vinyl acetate	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg

Surrogate % Recovery 1,2 - Dichloroethane d-4 = 90%
Surrogate % Recovery Toluene d-8 = *
Surrogate % Recovery 4 - Bromofluorobenzene = *

ppb = parts per billion = ug/kg = micrograms per kilogram
ppm = parts per million = ug/g = micrograms per gram
ND = Not Detected. Compound(s) may be present at concentrations below the reporting limit.

* Loss of surrogate recovery due to matrix effect.



R. L. James, Principal Chemist

Aug 17, 1995

Date Reported

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC. IS CERTIFIED BY THE STATE OF CALIFORNIA
DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY
(Certification No. 1614)

8240 GCMS Analysis Report
Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (LCSD)

Attention: Ms. Debra Underwood
 Blymyer Engineers, Inc.
 1829 Clement Avenue
 Alameda, CA 94501

Date Sampled: Aug. 10, 1995
 Date Received: Aug. 10, 1995
 Date Analyzed: Aug. 16, 1995

Project #: 95048

Project Name: Winner Ford

Client ID: LCS/LCSD

LAB ID: ST95-08-016 LCS
 ST95-08-016 LCSD

Matrix: Soil

Dilution:

UNITS = ug/kg

Compound	Sample Conc	Spike (ppb) Added	Spike Result	Dup. Result	Spike % Rec	Dup. % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	ND	50	42	41	84%	82%	2%	22	59-172
Benzene	ND	50	46	47	92%	94%	2%	24	62-137
Trichloroethene	ND	50	44	45	88%	90%	2%	21	60-133
Toluene	ND	50	47	49	94%	98%	4%	21	59-139
Chlorobenzene	ND	50	46	48	92%	96%	4%	21	66-142

ppb = parts per billion = ug/kg = micrograms per kilogram

ppm = parts per million = ug/g = micrograms per gram

ND = Not Detected. Compound(s) may be present at concentrations below the detection limit.



R. L. James, Principal Chemist

Aug 17, 1995

Date Reported

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC. IS CERTIFIED BY THE STATE OF CALIFORNIA
 DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY
 (Certification No. 1614)

**8240 GCMS Analysis Report
 Matrix Spike/Duplicate Spike**

Attention: Ms. Debra Underwood
 Blymyer Engineers, Inc.
 1829 Clement Avenue
 Alameda, CA 94501

Date Sampled: Aug. 10, 1995
 Date Received: Aug. 10, 1995
 Date Analyzed: Aug. 16, 1995

Project #: 95048 Project Name: Winner Ford
 Client ID: Batch-MS/MSD LAB ID: ST95-08-343A MS
 ST95-08-343A MSD
 Matrix: Soil Dilution:

UNITS = ug/kg

Compound	Sample Conc	Spike (ppb) Added	Spike Result	Dup. Result	Spike % Rec	Dup. % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	ND	50	40	36	80%	72%	11%	22	59-172
Benzene	ND	50	50	44	100%	88%	13%	24	62-137
Trichloroethene	ND	50	46	42	92%	84%	9%	21	60-133
Toluene	ND	50	48	43	96%	86%	11%	21	59-139
Chlorobenzene	ND	50	49	43	98%	86%	13%	21	66-142

ppb = parts per billion = ug/kg = micrograms per kilogram
 ppm = parts per million = ug/g = micrograms per gram
 ND = Not Detected. Compound(s) may be present at concentrations below the detection limit.



R. L. James, Principal Chemist

Aug 17, 1995
 Date Reported

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC. IS CERTIFIED BY THE STATE OF CALIFORNIA
 DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY
 (Certification No. 1614)

8270 GCMS Analysis Report

Attention: Ms. Debra Underwood
Blymyer Engineers, Inc.
1829 Clement Avenue
Alameda, CA 94501

Date Sampled: Aug. 10, 1995
Date Received: Aug. 10, 1995
Date Analyzed: Aug. 17, 1995

Project #: 95048

Project Name: Winner Ford

Client ID: WOT-SP-1

LAB ID: ST95-08-536A

Matrix: Soil

Dilution: 1: 1

Name	Amount	Reporting Limit	Units
1,2 - Dichlorobenzene	ND	330	ug/kg
1,2,4 - Trichlorobenzene	ND	330	ug/kg
1,3 - Dichlorobenzene	ND	330	ug/kg
1,4 - Dichlorobenzene	ND	330	ug/kg
2 - Chloronaphthalene	ND	330	ug/kg
2 - Chlorophenol	ND	330	ug/kg
2 - Methylnaphthalene	ND	330	ug/kg
2 - Methylphenol	ND	330	ug/kg
2 - Nitrophenol	ND	330	ug/kg
2,4 - Dichlorophenol	ND	330	ug/kg
2,4 - Dimethylphenol	ND	330	ug/kg
2,4 - Dinitrophenol	ND	1600	ug/kg
2,4 - Dinitrotoluene	ND	330	ug/kg
2,4,5 - Trichlorophenol	ND	1600	ug/kg
2,4,6 - Trichlorophenol	ND	330	ug/kg
2,6 - Dinitrotoluene	ND	330	ug/kg
2 - Nitroaniline	ND	1600	ug/kg
3,3' - Dichlorobenzidine	ND	660	ug/kg
3 - Nitroaniline	ND	1600	ug/kg
4 - Bromophenyl - phenylether	ND	330	ug/kg
4 - Chloro - 3 - Methylphenol	ND	330	ug/kg
4 - Chloroaniline	ND	330	ug/kg
4 - Methylphenol	ND	330	ug/kg
4 - Nitroaniline	ND	1600	ug/kg
4 - Nitrophenol	ND	1600	ug/kg
4,6 - Dinitro - 2 - Methylphenol	ND	1600	ug/kg
4 - Chlorophenyl - phenylether	ND	330	ug/kg
Acenaphthene	ND	330	ug/kg
Acenaphthylene	ND	330	ug/kg

ppb = parts per billion = ug/kg = micrograms per kilogram

ppm = parts per million = ug/g = micrograms per gram

ND = Not Detected Compound(s) may be present at concentrations below the reporting limit.



Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

8270 GCMS Analysis Report

Attention: Ms. Debra Underwood
Blymyer Engineers, Inc.
1829 Clement Avenue
Alameda, CA 94501

Date Sampled: Aug. 10, 1995
Date Received: Aug. 10, 1995
Date Analyzed: Aug. 17, 1995

Project #: 95048

Project Name: Winner Ford

Client ID: WOT-SP-1

LAB ID: ST95-08-536A

Matrix: Soil

Dilution: 1: 1

Name	Amount	Reporting Limit	Units
Anthracene	ND	330	ug/kg
Benzo (a) Anthracene	ND	330	ug/kg
Benzo (a) Pyrene	ND	330	ug/kg
Benzo (b) Fluoranthene	ND	330	ug/kg
Benzo (g, h, i) Perylene	ND	330	ug/kg
Benzo (k) Fluoranthene	ND	330	ug/kg
Benzoic Acid	ND	1600	ug/kg
Benzyl Alcohol	ND	330	ug/kg
bis (- 2 - Chloroethoxy) Methane	ND	330	ug/kg
bis (- 2 - Chloroethyl) Ether	ND	330	ug/kg
bis (2 - chloroisopropyl) Ether	ND	330	ug/kg
bis (2 - Ethylhexyl) Phthalate	ND	330	ug/kg
Butylbenzylphthalate	ND	330	ug/kg
Chrysene	ND	330	ug/kg
Di - N - Butylphthalate	ND	330	ug/kg
Di - N - Octyl Phthalate	ND	330	ug/kg
Dibenz (a, h) Anthracene	ND	330	ug/kg
Dibenzofuran	ND	330	ug/kg
Diethylphthalate	ND	330	ug/kg
Dimethyl Phthalate	ND	330	ug/kg
Fluoranthene	ND	330	ug/kg
Fluorene	ND	330	ug/kg
Hexachlorobenzene	ND	330	ug/kg
Hexachlorobutadiene	ND	330	ug/kg
Hexachlorocyclopentadiene	ND	330	ug/kg
Hexachloroethane	ND	330	ug/kg
Indeno (1,2,3 - cd) Pyrene	ND	330	ug/kg
Isophorone	ND	330	ug/kg
N - Nitroso - Di - Propylamine	ND	330	ug/kg

ppb = parts per billion = ug/kg = micrograms per kilogram

ppm = parts per million = ug/g = micrograms per gram

ND = Not Detected Compound(s) may be present at concentrations below the reporting limit

8270 GCMS Analysis Report

Attention: Ms. Debra Underwood
Blymyer Engineers, Inc.
1829 Clement Avenue
Alameda, CA 94501

Date Sampled: Aug. 10, 1995
Date Received: Aug. 10, 1995
Date Analyzed: Aug. 17, 1995

Project #: 95048

Project Name: Winner Ford

Client ID: WOT-SP-1

LAB ID: ST95-08-536A

Matrix: Soil

Dilution: 1: 1

Name	Amount	Reporting Limit	Units
N - Nitrosodiphenylamine	ND	330	ug/kg
Naphthalene	ND	330	ug/kg
Nitrobenzene	ND	330	ug/kg
Pentachlorophenol	ND	1600	ug/kg
Phenanthrene	ND	330	ug/kg
Phenol	ND	330	ug/kg
Pyrene	ND	330	ug/kg

Surrogate % Recovery 2 - Fluorophenol = 72%
 Surrogate % Recovery Phenol - d6 = 79%
 Surrogate % Recovery Nitrobenzene - d5 = 84%
 Surrogate % Recovery 2 - Fluorobiphenyl = 86%
 Surrogate % Recovery 2,4,6 - Tribromophenol = 77%
 Surrogate % Recovery Terphenyl - d14 = 84%

ppb = parts per billion = ug/kg = micrograms per kilogram

ppm = parts per million = ug/g = micrograms per gram

ND = Not Detected. Compound(s) may be present at concentrations below the reporting limit.



R. L. James, Principal Chemist

Aug 18, 1995

Date Reported

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC. IS CERTIFIED BY THE STATE OF CALIFORNIA
 DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY
 (Certification No. 1614)

8270 GCMS Analysis Report

Attention: Ms. Debra Underwood
Blymyer Engineers, Inc.
1829 Clement Avenue
Alameda, CA 94501

Date Sampled: Aug. 10, 1995
Date Received: Aug. 10, 1995
Date Analyzed: Aug. 17, 1995

Project #: 95048

Project Name: Winner Ford

Client ID: WOT-F-6.5'

LAB ID: ST95-08-541A

Matrix: Soil

Dilution: 1: 1

Name	Amount	Reporting Limit	Units
1,2 - Dichlorobenzene	ND	330	ug/kg
1,2,4 - Trichlorobenzene	ND	330	ug/kg
1,3 - Dichlorobenzene	ND	330	ug/kg
1,4 - Dichlorobenzene	ND	330	ug/kg
2 - Chloronaphthalene	ND	330	ug/kg
2 - Chlorophenol	ND	330	ug/kg
2 - Methylnaphthalene	ND	330	ug/kg
2 - Methylphenol	ND	330	ug/kg
2 - Nitrophenol	ND	330	ug/kg
2,4 - Dichlorophenol	ND	330	ug/kg
2,4 - Dimethylphenol	ND	330	ug/kg
2,4 - Dinitrophenol	ND	1600	ug/kg
2,4 - Dinitrotoluene	ND	330	ug/kg
2,4,5 - Trichlorophenol	ND	1600	ug/kg
2,4,6 - Trichlorophenol	ND	330	ug/kg
2,6 - Dinitrotoluene	ND	330	ug/kg
2 - Nitroaniline	ND	1600	ug/kg
3,3' - Dichlorobenzidine	ND	660	ug/kg
3 - Nitroaniline	ND	1600	ug/kg
4 - Bromophenyl - phenylether	ND	330	ug/kg
4 - Chloro - 3 - Methylphenol	ND	330	ug/kg
4 - Chloroaniline	ND	330	ug/kg
4 - Methylphenol	ND	330	ug/kg
4 - Nitroaniline	ND	1600	ug/kg
4 - Nitrophenol	ND	1600	ug/kg
4,6 - Dinitro - 2 - Methylphenol	ND	1600	ug/kg
4 - Chlorophenyl - phenylether	ND	330	ug/kg
Acenaphthene	ND	330	ug/kg
Acenaphthylene	ND	330	ug/kg

ppb = parts per billion = ug/kg = micrograms per kilogram

ppm = parts per million = ug/g = micrograms per gram

ND = Not Detected. Compound(s) may be present at concentrations below the reporting limit.

8270 GCMS Analysis Report

Attention: Ms. Debra Underwood
Blymyer Engineers, Inc.
1829 Clement Avenue
Alameda, CA 94501

Date Sampled: Aug. 10, 1995
Date Received: Aug. 10, 1995
Date Analyzed: Aug. 17, 1995

Project #: 95048

Project Name: Winner Ford

Client ID: WOT-F-6.5'

LAB ID: ST95-08-541A

Matrix: Soil

Dilution: 1: 1

Name	Amount	Reporting Limit	Units
Anthracene	ND	330	ug/kg
Benzo (a) Anthracene	330	330	ug/kg
Benzo (a) Pyrene	ND	330	ug/kg
Benzo (b) Fluoranthene	ND	330	ug/kg
Benzo (g, h, i) Perylene	ND	330	ug/kg
Benzo (k) Fluoranthene	ND	330	ug/kg
Benzoic Acid	ND	1600	ug/kg
Benzyl Alcohol	ND	330	ug/kg
bis (- 2 - Chloroethoxy) Methane	ND	330	ug/kg
bis (- 2 - Chloroethyl) Ether	ND	330	ug/kg
bis (2 - chloroisopropyl) Ether	ND	330	ug/kg
bis (2 - Ethylhexyl) Phthalate	ND	330	ug/kg
Butylbenzylphthalate	ND	330	ug/kg
Chrysene	400	330	ug/kg
Di - N - Butylphthalate	ND	330	ug/kg
Di - N - Octyl Phthalate	ND	330	ug/kg
Dibenz (a, h) Anthracene	ND	330	ug/kg
Dibenzofuran	ND	330	ug/kg
Diethylphthalate	ND	330	ug/kg
Dimethyl Phthalate	ND	330	ug/kg
Fluoranthene	ND	330	ug/kg
Fluorene	ND	330	ug/kg
Hexachlorobenzene	ND	330	ug/kg
Hexachlorobutadiene	ND	330	ug/kg
Hexachlorocyclopentadiene	ND	330	ug/kg
Hexachloroethane	ND	330	ug/kg
Indeno (1,2,3 - cd) Pyrene	ND	330	ug/kg
Isophorone	ND	330	ug/kg
N - Nitroso - Di - Propylamine	ND	330	ug/kg

ppb = parts per billion = ug/kg = micrograms per kilogram

ppm = parts per million = ug/g = micrograms per gram

ND = Not Detected Compound(s) may be present at concentrations below the reporting limit.

8270 GCMS Analysis Report

Attention: Ms. Debra Underwood
 Blymyer Engineers, Inc.
 1829 Clement Avenue
 Alameda, CA 94501

Date Sampled: Aug. 10, 1995
 Date Received: Aug. 10, 1995
 Date Analyzed: Aug. 17, 1995

Project #: 95048

Project Name: Winner Ford

Client ID: WOT-F-6.5'

LAB ID: ST95-08-541A

Matrix: Soil

Dilution: 1: 1

Name	Amount	Reporting Limit	Units
N - Nitrosodiphenylamine	ND	330	ug/kg
Naphthalene	ND	330	ug/kg
Nitrobenzene	ND	330	ug/kg
Pentachlorophenol	ND	1600	ug/kg
Phenanthrene	ND	330	ug/kg
Phenol	ND	330	ug/kg
Pyrene	520	330	ug/kg
Creosote	ND	330	ug/kg

Surrogate % Recovery 2 - Fluorophenol = 65%
 Surrogate % Recovery Phenol - d6 = 75%
 Surrogate % Recovery Nitrobenzene - d5 = 55%
 Surrogate % Recovery 2 - Fluorobiphenyl = 68%
 Surrogate % Recovery 2,4,6 - Tribromophenol = 77%
 Surrogate % Recovery Terphenyl - d14 = 114%

ppb = parts per billion = ug/kg = micrograms per kilogram

ppm = parts per million = ug/g = micrograms per gram

ND = Not Detected. Compound(s) may be present at concentrations below the reporting limit.



R. L. James, Principal Chemist

Aug 18, 1995

Date Reported

**8270 PCBs
Analysis Report**

Attention:	Ms. Debra Underwood Blymyer Engineers, Inc. 1829 Clement Avenue Alameda, CA 94501	Date Sampled:	Aug. 10, 1995
		Date Received:	Aug. 10, 1995
		Date Analyzed:	Aug. 17, 1995
Project #:	95048	Project Name:	Winner Ford
Client ID:	WOT-F-6.5'	LAB ID:	ST95-08-541A
Matrix:	Soil	Dilution:	

Name	Amount	Reporting Limit	Units
PCB 1016	ND	330	ug/kg
PCB 1221	ND	670	ug/kg
PCB 1232	ND	330	ug/kg
PCB 1242	ND	330	ug/kg
PCB 1248	ND	330	ug/kg
PCB 1254	ND	330	ug/kg
PCB 1260	ND	330	ug/kg

ppb = parts per billion = ug/kg = micrograms per kilogram
 ppm = parts per million = ug/g = micrograms per gram
 ND = Not Detected. Compound(s) may be present at concentrations below the detection limit.



R. L. James, Principal Chemist

Aug 18, 1995
Date

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC IS CERTIFIED BY THE STATE OF CALIFORNIA
 DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY
 (Certification No. 1614)

**8270 GCMS Analysis Report
Matrix Spike (MS) and Matrix Spike Duplicate (MSD)**

Attention: Ms. Debra Underwood
Blymyer Engineers, Inc.
1829 Clement Avenue
Alameda, CA 94501

Date Sampled: Aug. 10, 1995
Date Received: Aug. 10, 1995
Date Analyzed: Aug. 18, 1995

Project #: 95048

Project Name: Winner Ford

Client ID: WOT-SP-1-MS
WOT-SP-1-MSD

LAB ID: ST95-08-536A MS
ST95-08-536A MSD

Matrix: Soil

Dilution:

UNITS = ug/kg

Compound	Sample Spike (ppb)		MS %		MSD %		QC		Limits
	Conc	Added	MS	MSD	Rec	Rec.	RPD	RPD	% Rec
Phenol	ND	6600	4682	3762	71%	57%	22%	35	26-90
2-Chlorophenol	ND	6600	4587	3653	70%	55%	23%	50	25-102
1, 4-Dichlorobenzene	ND	3300	1860	1650	56%	50%	12%	27	28-104
N-Nitroso-di-n-propylamine	ND	3300	2318	2077	70%	63%	11%	38	41-126
1, 2, 4-Trichlorobenzene	ND	3300	2146	1845	65%	56%	15%	23	38-107
4-Chloro-3-Methylphenol	ND	6600	4954	4560	75%	69%	8%	33	26-103
Acenaphthene	ND	3300	2361	2107	72%	64%	11%	19	31-137
4-Nitrophenol	ND	6600	3146	2128	48%	32%	39%	50	11-114
2, 4-Dinitrotoluene	ND	3300	799 *	772 *	24% *	23% *	3% *	47	28-89
Pentachlorophenol	ND	6600	3935	2549	60%	39%	43%	47	17-109
Pyrene	ND	3300	2299	2138	70%	65%	7%	36	35-142

ppb = parts per billion = ug/kg = micrograms per kilogram

ppm = parts per million = ug/g = micrograms per gram

ND = Not Detected. Compound(s) may be present at concentrations below the detection limit.

* Low recovery due to matrix effect (high levels of hydrocarbons).



R. L. James, Principal Chemist

Aug 18, 1995

Date Reported

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC. IS CERTIFIED BY THE STATE OF CALIFORNIA
DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY
(Certification No. 1614)

**8270 GCMS Laboratory Control Spike (LCS) and
Laboratory Control Spike Duplicate (LCSD)**

Attention: Ms. Debra Underwood
Blymyer Engineers, Inc.
1829 Clement Avenue
Alameda, CA 94501

Date Sampled: Aug 10, 1995
Date Received: Aug 10, 1995
Date Analyzed: Aug 17, 1995

Project #: 95048

Project Name: Winner Ford

Client ID: LCS/LCSD

LAB ID: ST95-08-017 LCS
ST95-08-017 LCSD

Matrix: Soil

Dilution:

UNITS = ug/kg

Compound	Sample Spike (ppb)		LCS		LCSD		QC		Limits
	Conc	Added	LCS	LCSD	% Rec	% Rec	RPD	RPD	% Rec
Phenol	ND	6600	5001	4677	76%	71%	7%	35	26-90
2-Chlorophenol	ND	6600	4926	4548	75%	69%	8%	50	25-102
1, 4-Dichlorobenzene	ND	3300	2288	2103	69%	64%	8%	27	28-104
N-Nitroso-di-n-propylamine	ND	3300	2680	2617	81%	79%	2%	38	41-126
1, 2, 4-Trichlorobenzene	ND	3300	2437	2320	74%	70%	5%	23	38-107
4-Chloro-3-Methylphenol	ND	6600	5749	5514	87%	84%	4%	33	26-103
Acenaphthene	ND	3300	2582	2533	78%	77%	2%	19	31-137
4-Nitrophenol	ND	6600	6004	6110	91%	93%	2%	50	11-114
2, 4-Dinitrotoluene	ND	3300	2771	2839	84%	86%	2%	47	28-89
Pentachlorophenol	ND	6600	4037	4122	61%	62%	2%	47	17-109
Pyrene	ND	3300	2833	2943	86%	89%	4%	36	35-142

ppb = parts per billion = ug/kg = micrograms per kilogram

ppm = parts per million = ug/g = micrograms per gram

ND = Not Detected. Compound(s) may be present at concentrations below the detection limit.



R. L. James, Principal Chemist

Aug 18, 1995

Date Reported

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC. IS CERTIFIED BY THE STATE OF CALIFORNIA
DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY
(Certification No. 1614)

BLYMYER

ENGINEERS, INC.

1829 Clement Avenue

Alameda, CA 94501 (510) 521-3773



FAX (510) 865-2594

CHAIN OF CUSTODY RECORD

5299

PAGE 1 OF 1

JOB # 95048 PROJECT NAME/LOCATION WINNER FORD 1650 Park Street Alameda, CA

SAMPLERS (SIGNATURE) Allan Lund Deb Underwood

DATE	TIME	COMP	GRAB	SAMPLE NAME/LOCATION	# OF CONTAINERS	TPH AS GASOLINE + BTXE (MOD EPA 8015/8020)	TPH AS DIESEL (MOD EPA 8015)	VOC (EPA 824/8240)	SEMI-VOC (EPA 425/8270) WITH <u>SEE REMARK</u>	TRPH (EPA 418.1)	BTXE (EPA 8020/602)	TOTAL Pb	5 LUFT METALS (SEE REMARKS)	SVOCs	17 CCR METALS (TOTAL)	HOLD
8/10/95			X	GT-S1-8'	1	X										
			X	GT-S2-8'	1	X										
			X	GT-S3-8'	1	X										
			X	GT-S4-8'	1	X										
			X	GT-F-8'	1	X										
			X	GT-D-1'	1	X										
		X		GT-SP-1	1	X						X				
		X		WOT-SP-1	1	X		X	X	X				X	X	
			X	WOT-F-6.5'	1	X	X	X	X	X			X			

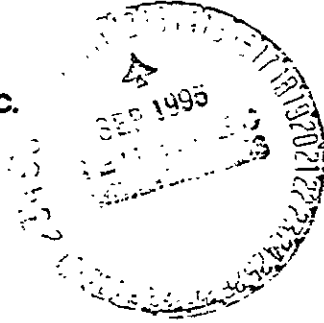
TURNAROUND TIME: Regular DAY(S)

REMARKS:
 * (SVOCs) ⇒ Test includes FMAs, PCBs, PCPs, and Creosote
 5 LUFT METALS: Cd, Cr, Pb, Ni, Zc

REQUESTED BY Deb Underwood of Blymyer Engineers, Inc. RESULTS AND INVOICE TO: Deb Underwood

RELINQUISHED BY: (SIGNATURE) Allan Lund DATE / TIME 8/10/95 4:25 RECEIVED BY: (SIGNATURE) [Signature]

RELINQUISHED BY: (SIGNATURE) DATE / TIME RECEIVED FOR LABORATORY BY: (SIGNATURE) DATE / TIME REMARKS:



September 11, 1995

Ms. Debra Underwood
Blymyer Engineers, Inc.
1829 Clement Avenue
Alameda, CA 94501-1395

Dear Ms. Underwood:

Enclosed is the report for the one (1) soil sample. The sample was received at Sparger Technology Analytical Lab on August 10, 1995.

The sample was received in one (1) brass tube. The sample was transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

The report consists of the following sections:

- I. Sample Description
- II. Analysis Request
- III. Quality Control Report
- IV. Analysis Results

No problems were encountered with the analysis of your sample.

If you have questions, please feel free to call.

Sincerely,

A handwritten signature in black ink, appearing to read 'R. L. James', written in a cursive style.

R. L. James
Principal Chemist

I Sample Description

See attached Sample Description Information.

The sample was received under chain-of-custody.

II Analysis Request

The following analytical test was requested:

<u>Lab ID</u>	<u>Your ID</u>	<u>Analysis Description</u>
ST95-08-1493A	GT-SP-1	RCI

III Quality Control

- A. **Project Specific QC.** No project specific QC (i.e., spikes and/or duplicates) was requested.
- B. **Method Blank Results.** A method blank is a laboratory-generated sample which assesses the degree to which laboratory operations and procedures cause false-positive analytical results for your sample.

No target parameters were detected in the method blank associated with your sample at the reporting limit levels noted on the data sheets in the Analytical Results section.

Accuracy is measured by Percent Recovery as in:

$$\% \text{ recovery} = \frac{(\text{measured concentration}) \times 100}{(\text{actual concentration})}$$

IV Analysis Results

Results are on the attached data sheet.

Corrosivity, Ignitability, and Reactivity

Attention: Ms. Debra Underwood
Blymyer Engineers, Inc.
1829 Clement Avenue
Alameda, CA 94501-1395

Date Sampled: Aug 10, 1995
Date Received: Aug 10, 1995
Date Requested: Aug 23, 1995
Date Analyzed: Aug 27, 1995

Project #: 95048

Project Name: Winner Ford

Client ID: GT-SP-1

LAB ID: ST95-08-1493A

Matrix: Soil

Dilution:

Corrosivity:	Amount	Detection Limit
pH	7.1	N.A.

Ignitability:		
Flashpoint (Pensky-Martens)	57 ° C	N.A.

Reactivity:		
Sulfide, mg/kg	ND	10
Cyanide, mg/kg	ND	0.50
Reaction with Water	ND	N.A.

ppm= parts per million = mg/kg
N.A. = Not Applicable
N.D. = Not Detected. Compound(s) may be present at concentrations below the detection limit.
N.R. = Not Requested.



R. L. James, Principal Chemist

Aug 28, 1995
Date Reported

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC. IS CERTIFIED BY THE STATE OF CALIFORNIA
DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY
(Certification No. 1614)

1/20/95

18:38

916 362 0947

SPARGER



Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

TO: Deborah Underwood
Blymyer Engineers, Inc.

Reg: Ignitability description, Sample GT-SP-1, Winner Ford Job

"The sample, GT-SP-1, represents a waste that is not a liquid and is not capable, under standard temperature and pressure, when ignited, of burning so vigorously and persistently that it creates a hazard."

There is no P.O. # for the analysis ST95-08-1493, But we do have an invoice # which is 5369 and 5299.

If you have any questions feel free to call.

Thank you,

Evin McKinney
Inorganics Manager



NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II and III.

No. 396655

GENERATOR

a. Generator Name: Winner Ford b. Generating Location: Alameda
 c. Address: 1650 Park St d. Address: 1650 Park St
Alameda, CA 94501 Alameda, CA 94501
 e. Phone No.: (510) 865-3673 f. Phone No.: (510) 865-3673
 If owner of the generating facility differs from the generator, provide:
 g. Owner's Name: Winner Ford h. Owner's Phone No.: (510) 865-3673

i. BEI WASTE CODE:

CA	405	092595	53956
----	-----	--------	-------

 Containers
 j. Description of Waste: PA2/12/25 Contaminated Soil Quantity:

	20	Y		T
--	----	---	--	---

 No. TYPE
 DM - METAL DRUM
 DP - PLASTIC DRUM
 B - BAG
 BA - 6 MIL. PLASTIC BAG OF WRAP
 T - TRUCK
 O - OTHER

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law; has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

Generator Authorized Agent Name: Michael Nokes Signature: [Signature] Shipment Date:

1	0	0	4	9	5
---	---	---	---	---	---

UNITS
 P - POUNDS
 Y - YARDS
 M³ - CUBIC METERS
 Y³ - CUBIC YARDS
 O - OTHER

TRANSPORTER I

a. Name: American Construction
 b. Address: 567 Exposition Court
Livermore, CA 94550
 Driver Name: John Schefle
 d. Phone No.: 510 447 2484 e. Truck No.: 636
 f. Vehicle License No./State: 9A6960B
 Acknowledgement of Receipt of Materials:
 g. Driver Signature: [Signature] Shipment Date:

1	0	0	4	9	5
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TRANSPORTER II

h. Name: _____
 i. Address: _____
 Driver Name: _____
 k. Phone No.: _____ l. Truck No.: _____
 m. Vehicle License No./State: _____
 Acknowledgement of Receipt of Materials:
 n. Driver Signature: _____ Shipment Date: _____

RECIPIENT

a. Site Name: BFI c. Phone No.: _____
 b. Physical Address: 4001 Vasco Rd d. Mailing Address: _____
Livermore, CA 94550
 e. Discrepancy Indication Space: _____

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.
 f. Name of Authorized Agent: [Signature] Signature: [Signature] Receipt Date:

10	05	75
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SECTION II - ASBESTOS

a. Operator's* Name: _____ b. Operator's* Phone No.: _____
 c. Operator's* Address: _____
 d. Special Handling Instructions and additional information: _____

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.

d. Special Handling Instructions and additional information:

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.

e. Operator's* Name & Title:

Print/Type

Operator's* Signature

Date

f. Name and Address
of Responsible Agency:

g. Friable; Non-friable; Both _____ % friable _____ % nonfriable

* Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both

TOTAL P.03



NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II and III.

No. 396656

GENERATOR

a. Generator Name: Winner Ford b. Generating Location: Alameda
 c. Address: 1650 Park St d. Address: 1650 Park St.
Alameda, CA 94501 Alameda, CA 94501
 e. Phone No.: (510) 865-3673 f. Phone No.: (510) 865-3673
 If owner of the generating facility differs from the generator, provide:
 g. Owner's Name: Winner Ford h. Owner's Phone No.: 510 865 3673

i. BFI WASTE CODE:

CA	405	092595
----	-----	--------

5	3956
---	------

 Containers:

DM	METAL DRUM
DP	PLASTIC DRUM
B	BAG
BA	6 MIL PLASTIC BAG or WRAP
T	TRUCK
O	OTHER

 j. Description of Waste: Petroleum Contaminated k. Quantity:

		20	Y
--	--	----	---

 Units:

--	--	--	--

 No.:

--	--	--	--

 TYPE:

			T
--	--	--	---

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

Michelle Nokes Mich. C. Nokes

1	0	0	9	5
---	---	---	---	---

 Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

TRANSPORTER I

a. Name: American Construction
 b. Address: 567 Exchange Court
Livermore, CA 94550
 c. Driver Name/Title: John Schepel, Driver
 d. Phone No.: 510 447 2484 e. Truck No.: 636
 f. Vehicle License No./State: 9AG9668
 Acknowledgement of Receipt of Materials:
John Schepel

1	0	0	5	9	5
---	---	---	---	---	---

 Driver Signature Shipment Date

TRANSPORTER II

h. Name: _____
 i. Address: _____
 j. Driver Name/Title: _____
 k. Phone No.: _____ l. Truck No.: _____
 m. Vehicle License No./State: _____
 Acknowledgement of Receipt of Materials:
 n. _____
 Driver Signature Shipment Date

a. Site Name: BFI c. Phone No.: _____
 b. Physical Address: 4001 Vasco Rd d. Mailing Address: _____
Livermore, CA 94550
 e. Discrepancy Indication Space: _____

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

f. Name of Authorized Agent: ZH

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 Signature Receipt Date

ASBESTOS

a. Operator's* Name: _____ b. Operator's* Phone No.: _____
 c. Operator's* Address: _____
 d. Special Handling Instructions and additional information: _____

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.

d. Special Handling Instructions and additional information:

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations:

e. Operator's* Name & Title:

Print/Type

Operator's* Signature

Date

f. Name and Address
of Responsible Agency:

g. Friable; Non-friable; Both _____ % friable _____ % nonfriable

* Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

RETURN TO OPERATOR