GASOLINE UNDERGROUND FUEL STORAGE TANK REMOVAL REPORT

BENNER AUTOMOTIVE
488 25TH STREET
OAKLAND, CALIFORNIA

Prepared for:

BENNER AUTOMOTIVE
OAKLAND, CALIFORNIA

January 2003

★ Stellar Environmental Solutions

Geoscience & Engineering Consulting

STELLAR ENVIRONMENTAL SOLUTIONS
2198 SIXTH STREET, SUITE 201, BERKELEY, CA 94710
TEL: 510.644.3123 ★ FAX: 510.644.3859

TRANSMITTAL MEMORANDUM

TO: BENNER AUTO REPAIR **DATE:** JANUARY 30, 2003

ATTENTION: MR. MIKE BENNER **FILE:**

SUBJECT: UST REMOVAL
488 25TH STREET, OAKLAND, CA

WE ARE SENDING: ☒ HEREWITH ☐ UNDER SEPARATE COVER

☒ VIA MAIL ☐ VIA

THE FOLLOWING: "GASOLINE UNDERGROUND STORAGE TANK REMOVAL REPORT" (DATED 1/27/03) (2 copies)

☐ AS REQUESTED ☐ FOR YOUR APPROVAL

☐ FOR REVIEW ☒ FOR YOUR USE

☐ FOR SIGNATURE ☐ FOR YOUR FILES

COPIES TO: ALAMEDA COUNTY HEALTH CARE SERVICES (ATTN: LOP UNIT),
OAKLAND FIRE DEPARTMENT – OFFICE OF EMERGENCY SERVICES
(ATTN: MR. LEROY GRIFFITH)

BY: Bruce Rucker

REGARDS,

★ **Stellar Environmental Solutions**

2198 Sixth Street, Suite 201. Berkeley, CA 94710
Tel: (510) 644-3123 • Fax: (510) 644-3859
Geoscience & Engineering Consulting

January 24, 2003

Mr. Mike Benner
Benner Automotive
488 25th Street
Oakland, California 94612-2409

Subject: Gasoline UFST Closure Report, Benner Automotive
488 25th Street, Oakland, California

Dear Mr. Benner:

This report documents gasoline underground fuel storage tank (UFST) removal activities conducted by Stellar Environmental Solutions, Inc. (SES) at 488 25th Street, Oakland, California. The work scope included: obtaining permits; removing and disposing of one 1,000-gallon gasoline UFST; collecting for laboratory analysis native soil samples from beneath the UFST; disposing of excavated soil; excavation backfilling and compaction; and evaluating analytical results in the context of regulatory considerations. Please contact us at (510) 644-3123 if you have any questions.

Sincerely,

Bruce Rucker, R.G., R.E.A.
Project Manager

Richard S. Makdisi, R.G., R.E.A.
Principal

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Prepared by:

STELLAR ENVIRONMENTAL SOLUTIONS, INC.
2198 SIXTH STREET, SUITE 201
BERKELEY, CA 94710

January 24, 2003

Project No. 2002-55

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EXECUTIVE SUMMARY

Benner Automotive retained SES to provide oversight assistance for the removal of one 1,000-gallon underground fuel storage tank (UFST) from the facility located at 488 25th Street, Oakland. The scope of work included documentation of the type and magnitude of soil contamination in the excavation, disposal of excavated soil, and backfilling/compacting the excavation.

UFST removal and restoration activities were conducted between January 7 and 9, 2003. The tank and excavated soil were disposed of offsite at permitted facilities. Excavation confirmation sampling was conducted beneath the former UFST (in native soil) revealed maximum residual soil contamination of 2,500 mg/kg of gasoline.

Groundwater was not encountered in the excavation, although lithologic information from an adjacent site showed groundwater to occur at a depth of 9 feet, approximating the depth of the residual contaminated soil.

Regulatory oversight of the UFST removal was provided by the Oakland Fire Department, Office of Emergency Services (OFD-OES). Mr. Leroy Griffin of the OFD-OES was onsite for the UFST removal and soil sampling activities.

Based on the elevated gasoline concentration in residual soil and the likelihood of shallow groundwater, there is a strong potential that groundwater beneath the former UFST has been impacted. Groundwater impacts could be confirmed by advancing temporary soil borings in the immediate vicinity of the former UFST and collecting grab groundwater samples for laboratory analysis. It is likely that the regulatory agencies will require such confirmation.

This report has been submitted to the OFD-OES and the ACDEH. It is likely that the ACDEH would act as lead regulatory agency if any additional investigation work is required.

1.0 INTRODUCTION

SITE DESCRIPTION

The project site is an active automobile service facility (Benner Automotive) at 488 25th Street, Oakland, Alameda County, California (site). The site is located in downtown Oakland on the north side of 25th Street approximately 500 east of Telegraph Avenue. Figure 1 is a site location map. Figure 2 shows the location of the former UFST in relation to the site building and 25th Street.

UFST DESCRIPTION AND USAGE HISTORY

This project entailed the removal of a gasoline UFST associated with a former limousine/hearse rental operation. According to a site plan provided by the property owner, the UFST was installed on or before 1937, and had not been utilized since approximately the mid 1960s when the building use changed to its current use. At that time, the dispenser (formerly located just inside the roll-up door within 8 feet of the UFST) was removed. In 2001, the cover for the fill port box in the sidewalk was disconnected and paved over with concrete. A metal tag on the underground portion of the UFST fill pipe was labeled "Chevron Supreme Gasoline."

The 1,000-gallon capacity UFST was cylindrical, single-walled, steel with tar paper wrapping, and was installed in a sand-backfilled excavation measuring approximately 14 feet long by 5 feet wide by 9 feet deep. The top of the UFST was approximately 3 feet below the concrete sidewalk and approximately 2 feet above the top of native soil. The top of the UFST had three ports/pipes (all single-walled steel) at the western end: a fill riser; a turbine connection; and a vent pipe. The vent pipe rose approximately 12 feet above ground surface on the building exterior immediately adjacent to the former UFST.

The UFST was not tied down to any concrete anchor slab (a.k.a. deadman), as is sometimes done when shallow groundwater is considered to present a buoyancy problem. The UFST was configured as shown in Figure 2, with the long axis of the UFST oriented east-west.

SITE LOCATION ON U.S.G.S. TOPOGRAPHIC MAP

488 25th Street
Oakland, CA

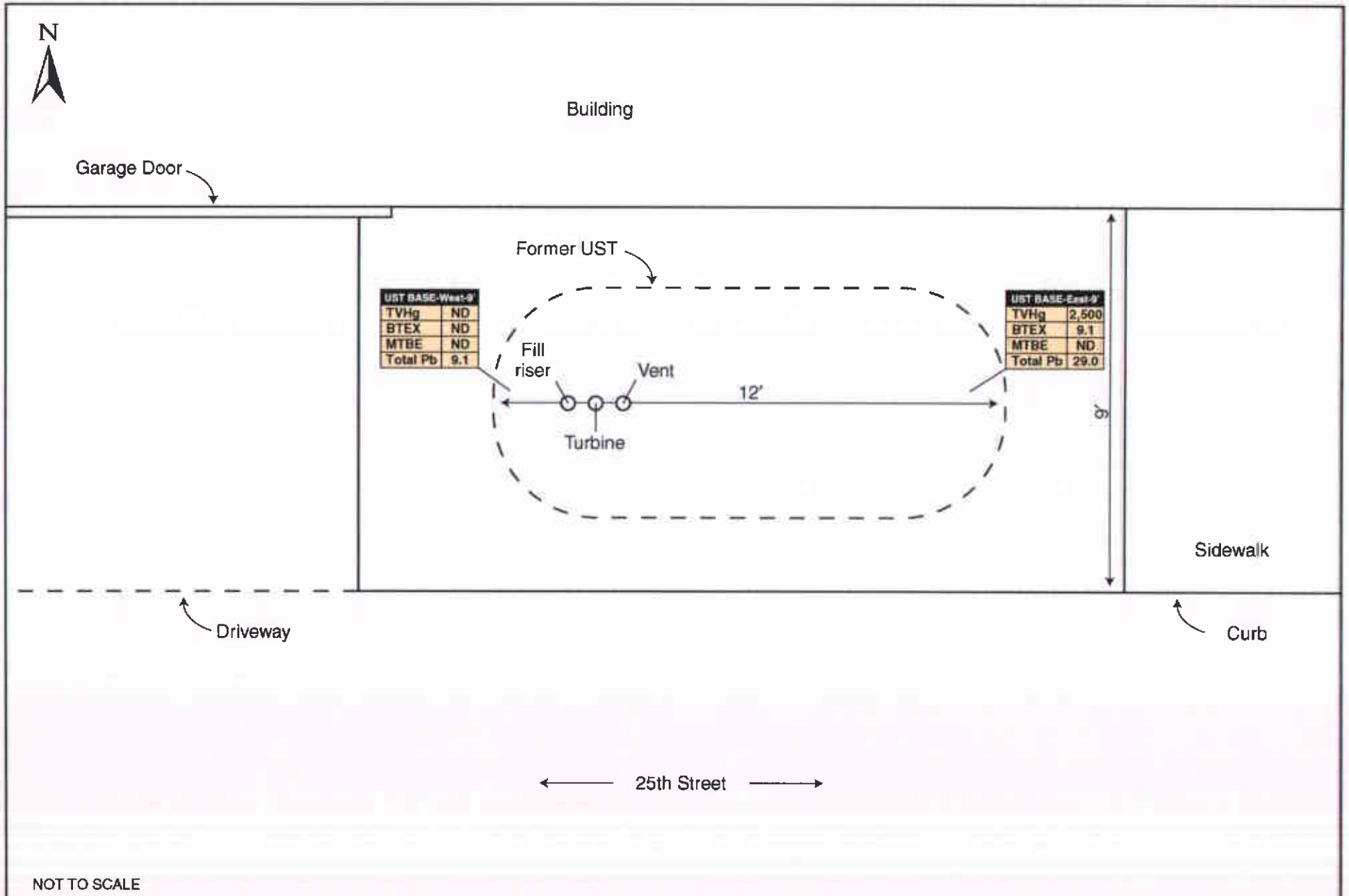
By: MJC

JANUARY 2003

Figure 1

Stellar Environmental Solutions
Geoscience & Engineering Consulting

2003-55-01



Stellar Environmental Solutions

Geoscience & Engineering Consulting

SITE PLAN AND SAMPLING LOCATIONS—BENNER AUTOMOTIVE

488 25th Street, Oakland, CA

Figure 2

by: MJC | JANUARY 2003

2002-55-02

2.0 UFST REMOVAL

The following section summarizes the pre-field work planning and UFST removal activities. Appendix B contains photodocumentation of key field activities. The following companies or agencies participated in the UFST removal:

- ***Stellar Environmental Solutions, Inc. (Berkeley, California):*** Benner Automotive's contractor responsible for environmental sampling and closure documentation.
- ***Speelman Excavation*** (California Contractor's License No. 734167; Hazardous Substances Removal Action Certification no. A7301): SES' subcontractor responsible for UF removal, and site restoration.
- ***Ecology Control Industries*** (USEPA Transporter ID No. CAD982030173): UFST offsite transport.
- ***Ecology Control Industries*** (USEPA ID No. CAD009466392): UFST decommissioning.
- ***Curtis and Tompkins, Ltd.*** (ELAP #1486): Soil sample chemical analyses.
- ***City of Oakland Fire Department, Office of Emergency Services (OFD-OES)***: Permitting agency for tank removal and lead agency with regard to any tank-related environmental issues.
- ***Manley Trucking (Sacramento, California)***: Speelman Excavation's second tier sub-contractor for offsite transport of non-hazardous material excavated to sanitary landfill and onsite transport of backfill material for excavation.
- ***Allied Waste/Forward Inc.'s Keller Canyon Landfill (Pittsburg, California):*** Class III landfill to which excavated soil was disposed.
- ***Dutra Materials (Hayward, California)***. Quarry from which imported backfill material was obtained.
- ***Construction Materials Testing, Inc.*** (Concord, California). Speelman Excavation's second-tier subcontractor conducting excavation backfill compaction testing.

PRE-FIELD WORK PLANNING

Prior to UFST removals, appropriate permits and regulatory agency notifications were completed by SES on behalf of Benner Automotive, including:

- Certified Unified Program Agency (CUPA) Unified Program Consolidation Form – Underground Storage Tanks (formerly SWRCB Forms A&B (for tank closure).
- City of Oakland Engineering Department: Excavation Permit (for sidewalk disturbance).
- City of Oakland Fire Department, Office of Emergency Services: Written technical specification and UFST removal permit application, and coordinating Fire Department onsite inspection of UFST removals.
- Bay Area Air Quality Management District: Regulation 8 Rule 40 Notification.

Copies of these documents are included in Appendix A.

Prior to work, SES prepared a site-specific Health and Safety Plan in accordance with State of California requirements.

UFST AND PIPING REMOVAL AND SOIL STOCKPILING

On January 7, 2003, the approximately 8-inch-thick concrete surface cover over the UFST was broken up (jackhammer attachment on backhoe) and removed. Sufficient backfill material (clayey sand, possibly aggregate base) was removed to expose the top and sides of the UFST. The only belowground piping were a 3-foot section of fill pipe and an approximately 5-foot section of vent pipe. The dispenser piping broke off at the northern excavation sidewall (approximately 5 feet from the former dispenser). At approximately 9:00 a.m., the UFST was pulled loose from the excavation bottom. At 11 a.m., 100 pounds of dry ice (solid carbon dioxide) was added to the UFST to render its interior atmosphere inert (non-flammable). The UFST was subsequently removed from the excavation at 11:40 a.m. in the presence of Mr. Leroy Griffin of the Oakland Fire Department. The UFST appeared to be structurally sound with no obvious holes or cracks. Because there was no product in the tank and the tank interior was inerted with the dry ice, no tank rinsing nor pumping of product from the tank was required. The UFST was visually inspected by all parties, and measurements were obtained by SES. Following the visual inspection, the UFST was loaded for offsite transport and disposal (see the following section for discussion).

A total of approximately 40 cubic yards of backfill material was removed in exposing the UFST. This material was stockpiled on the street adjacent to the UFST, underlain and covered by plastic sheeting.

SOIL SAMPLING AND ANALYSES

UFST Excavation Confirmation Sampling

Excavation confirmation sampling was conducted immediately following the UFST removal, and was witnessed by Mr. Griffin. Former backfill material was removed to expose native soil (depth of 9 feet), and one soil sample was collected from native material (at a depth of 9 feet below grade) directly beneath the east and west ends of the former UFST. The soil samples were collected by digging into native soil with the backhoe bucket, then removing the sample and placing it in new 8-ounce glass jars with Teflon-lined lids. The samples were labeled, entered onto a chain-of-custody form, and placed into a chilled ice chest for transportation to the laboratory.

Waste Soil Disposal Sampling and Analyses

Soil sampling to characterize contaminated backfill material stockpiled onsite was conducted on January 7, 2003. In accordance with the landfill requirements, one 4-point composite sample was collected from the material and analyzed for TVHg, BTEX, MTBE, and total lead.

One 4-point composite soil sample was collected from the soil stockpile. The methodology for contaminated soil stockpile sampling consisted of removing the upper 6 to 12 inches of material by digging four holes into four quadrants of the soil pile using a trowel and compositing the separate samples into one sample, which was then placed in the sample jar.

WASTE TRANSPORT AND DISPOSAL

The one 1,000-gallon UFST and associated piping was transported offsite for scrapping. Prior to transport, a Uniform Hazardous Waste manifest was completed and then signed by Mike Benner, owner of Benner Automotive. The hazardous waste generator I.D. number assigned by the State of California to Benner Automotive (used for its operation and for this UFST removal) was CAL000027149. The UFST was transported offsite on January 7, 2002 by Ecology Control Industries (EPA Transporter I.D. no. CAD982030173). The U.S. Department of Transportation proper shipping name and hazard class assigned to the UFST on the manifest were "Waste Empty Storage Tank" and "Non-RCRA Hazardous Waste Solid," respectively. The State of California waste code assigned to the UFST was "512" (for containers larger than 30 gallons). A copy of the hazardous waste manifest, and documentation of the generator's transmittal of the manifest to DTSC are included in Appendix C.

The stockpile soil sample contained 5 mg/kg gasoline. The Oakland Fire Department specified that excavated soil could only be re-used (onsite backfill material) if no contamination was detected. Therefore, a waste profile acceptance package was submitted to Allied Waste, Inc. for landfill disposal of the approximately 40 cubic yards of excavated soil and backfill material. Landfill

acceptance was granted, and the material was loaded and transported offsite on January 9, 2003. The non-hazardous waste manifests for disposal of excavated soil are included in Appendix C. The removed concrete sidewalk was hauled offsite as general waste debris.

EXCAVATION BACKFILLING AND SITE RESTORATION

The excavation was backfilled on January 9, 2003. The excavation was backfilled with clean, imported fill material (recycled aggregate base material from Dutra Materials in Hayward, California). The imported fill material was free of organic matter, and consisted of a low expansive soil. The quarry's documentation of clean fill is included in Appendix E.

Backfill material was emplaced in approximately 1-foot lifts, and each lift was compacted with the backhoe bucket and a Wacker™ vibrating packer. Backfill compaction testing was performed by Mark Hopkins of Construction Materials Testing, Inc. Compaction testing was conducted at depths (below grade) of 4 feet, 3 feet, 2 feet, and 1 foot. Compaction of 95 percent or better was achieved as required by the City of Oakland. A copy of the compaction testing results is included in Appendix E. On January 15 and 16, 2003, the surface of the backfilled excavation was resurfaced with concrete to match the previous surface. Benner Automotive directly retained Ransome Company to conduct the re-surfacing. SES provided to Ransome Company the results of the compaction testing and a copy of the excavation permit obtained by SES.

3.0 ANALYTICAL RESULTS, REGULATORY CONSIDERATIONS, RESIDUAL CONTAMINATION, DISTRIBUTION, AND FATE

RESULTS OF LABORATORY ANALYSES

The soil samples were submitted under chain-of custody control to Curtis & Tompkins, Ltd. (Curtis & Tompkins) of Berkeley, California. Curtis & Tompkins is certified by the State of California to perform the requested analyses.

As specified in the UFST closure plan and confirmed by Mr. Griffin at the time of the UFST removal, soil samples were analyzed for the following:

- Total volatile hydrocarbons as gasoline (TVHg), by Environmental Protection Agency (EPA) Method 8015;
- Benzene, toluene, ethylbenzene, total xylenes (BTEX) and methyl *tertiary*-butyl ether (MTBE), by EPA Method 8020; and
- Total lead, by EPA Method 6010B.

Table 1 summarizes the analytical results of excavation confirmation and stockpiled soil samples. Appendix D contains the certified analytical laboratory reports and chain-of-custody records.

Laboratory quality control samples (e.g., method blanks, matrix spikes, surrogate spikes, etc.) were analyzed by the laboratory in accordance with requirements of each analytical method. All laboratory QC sample results and sample holding times were within the acceptance limits of the methods (Appendix D).

Gasoline was detected at 2,500 mg/kg in the east end UFST confirmation soil sample. Neither BTEX nor MTBE were detected in this sample, although the elevated gasoline concentration required a 333 percent dilution which raised the method reporting limit to 1.7 mg/kg for each constituent. Neither gasoline, BTEX, nor MTBE were detected in the west-end UFST excavation sample. Lead was detected at low levels (less than 30 mg/kg) in both samples.

Table 1
Underground Fuel Storage Tank Analytical Results
Benner Automotive – 488 25th Street, Oakland, California

Sample Location	Sample Depth (feet)	TVHg	Benzene	Toluene	Ethyl benzene	Total Xylenes	MTBE	Total Lead
Excavation Confirmation Soil Samples								
UFST Base –East	9'	**2,500**	*<1.7**	*<1.7**	*<1.7**	*<1.7**	*<1.7**	**29**
UFST Base-West	9'	*<1.1*	*<0.0053*	*<0.0053*	*<0.0053*	*<0.0053*	*<0.0053*	**9.1**
RBSLs		100	0.045	2.6	2.5	1.0	0.028	750
Stockpiled Soil Samples								
Stockpile Comp.	—	**5.0**	*<0.005*	*<0.005*	*<0.005*	*<0.005*	*<0.005*	**9.1**

Notes:

* Due to high concentrations of hydrocarbons, this was the lowest possible detection limit achievable by this analytical method.

All concentrations in mg/kg.

RBSLs = Regional Water Quality Control Board, San Francisco Bay Region "Risk-Based Screening Levels" for subsurface soils at sites where groundwater is a potential drinking water source.

TVHg = Total volatile hydrocarbons – gasoline range.

The presence of soil contamination beneath the east end of the UFST (and lacking in the west end), in the absence of any obvious UFST structural failure, suggests that the contamination may be the result of historical overfill/spillage. While overfill/spillage contamination is generally observed beneath the fill end of the UFST (in this case, the west end), it is possible that, if the low end of the UFST were to the east, overfill/spillage could have migrated to and accumulated at that end.

Gasoline (5 mg/kg) and lead (9.1 mg/kg) were the only contaminants detected in the stockpile soil sample, which indicated that the waste soil was non-hazardous and amenable for directly landfilling at a Class III or II landfill.

REGULATORY CONSIDERATIONS

The Oakland Fire Department, Office of Emergency Services (OFD-OES) is the lead regulatory agency for UFST removal permitting, onsite inspection, and directing the collection of UFST-related soil samples. We understand that, when UFST-sourced residual soil and/or groundwater contamination is discovered, OFD-OES generally transfers the case to the Alameda County

Department Environmental Health (ACDEH). The ACDEH is a Local Oversight Program (LOP) to the RWQCB, which has ultimate decision-making authority regarding contamination issues affecting groundwater.

There are no published soil cleanup standards for detected site contaminants (gasoline, BTEX, and MTBE). The RWQCB evaluates soil contamination in the context of potential impacts to groundwater and other sensitive receptors (such as surface water) on a case-specific basis. While the RWQCB adheres to the State of California's policy of non-degradation of groundwater specified in the Porter Cologne Water Quality Act, it recognizes that some degradation is unlikely to be irreversible, and therefore will grant case closures where it can be demonstrated that no public health or ecological risks will occur as a result of the residual contamination.

The RWQCB utilizes a Designated Level Methodology (DLM) as a guide in determining if a waste at a given site poses unacceptable impacts, and if so, what cleanup level is needed. The DLM calculations are site-specific and consider the depth to groundwater, type of soil, total pollutant load, amount of rainfall, and attenuation factors. Relevant criteria for soil contamination by the regulatory environment for TPH contamination are generally evaluated on a case-by-case basis, most often using some form of the RWQCB's DLM discussed above. In the past, the RWQCB used 100 mg/kg TPH in soil as a general criterion for assessing impacts to groundwater in its Leaking Underground Fuel Storage Tank (LUFT) investigation guidance. The LUFT manual uses the DLM approach which is recommended to evaluate the likelihood of impacts to groundwater from contaminated soil.

More recently, the RWQCB published "Risk-Based Screening Levels" (RBSLs). RBSLs are conservative screening-level concentrations that incorporate both environmental and human health risk considerations, and are used as a preliminary guide in determining whether additional remediation and/or investigation are warranted. The RBSLs are not cleanup goals, although in most cases contaminant concentrations less than RBSLs result in a "no further action" status being granted by the RWQCB. Likewise, contamination in excess of RBSLs does not necessarily mean that additional work is required, only that site-specific data may need to be incorporated into the risk decision process.

LITHOLOGY AND GROUNDWATER HYDROLOGY

Native soil evident in the excavation sidewalls boreholes is predominantly low permeability, fine-grained clay/silt. Groundwater was not encountered in the excavation (total depth approximately 9.5 feet). A borehole geologic log for a groundwater monitoring well installation across the street (477 25th Street) indicated that groundwater was encountered (in 1994) at a depth of 9 feet, at the top of a coarse sand unit that extended from 9 to 13 feet below grade, underlain by a clayey silt (Century West Engineering Corporation, (1994). These data indicate that site-sourced residual soil

contamination (present at 9 feet deep) may be just above first occurrence of groundwater. The regional groundwater flow direction in the area is to the west (following topography, toward San Francisco Bay), although an Alameda County Health Department Case Closure Summary for the aforementioned vicinity site reported that groundwater flow direction in the vicinity may be to the south (Alameda County Health Care Services Agency, 1995).

RESIDUAL CONTAMINATION AND POTENTIAL MIGRATION

Residual UFST-sourced gasoline concentrations (2,500 mg/kg) are above the 100 mg/L RBSL. Shallow groundwater is likely within several feet of the residual soil contamination, suggesting a strong likelihood of groundwater contamination resulting from desorption to groundwater. Dissolved contamination would then likely migrate primarily by advection in the direction of groundwater flow, indicated to be between south and west.

GROUNDWATER IMPACTS AND BENEFICIAL USES

In general, impacts of contamination on the environment by TVHg products are evaluated on a case-by-case basis, with consideration given to MCLs and Action Levels (ALs) when designated. Because no water-bearing zone or aquifer in this area is in use for drinking or other types of water use, application of the drinking water standard does not appear to be appropriate. The likelihood of groundwater impacts to beneficial use in this area appears to be negligible.

4.0 SUMMARY AND CONCLUSIONS

The summary and conclusions presented in this section are based on the data delineated in the body of this report.

- Benner Automotive retained SES to provide oversight assistance for the removal of one 1,000-gallon gasoline UFST from the facility located at 488 25th Street, Oakland. This work included documenting the type/magnitude of soil contamination in the excavation, disposing of excavated soil, and backfilling/compacting the excavation.
- UFST removal and restoration activities were conducted between January 7 and 9, 2003. Two base of excavation confirmation soil samples were collected for laboratory analysis, and one 4-point composite sample of stockpiled material was also collected. The UFST and approximately 40 cubic yards of excavated soil were disposed of offsite, and the excavation was backfilled with clean imported fill and compacted. Sidewalk replacement was conducted by others.
- The base of the original UFST excavation, as evidenced by backfill material, was approximately 7 feet bgs. Native soils were encountered at approximately 9 feet depth, and consisted of low permeability clays and silts. Groundwater was not encountered in the excavation, although lithologic information from an adjacent site showed groundwater to occur at a depth of 9 feet (in 1994).
- Regulatory oversight of the UFST removal was provided by the Oakland Fire Department, Office of Emergency Services (OFD-OES). Mr. Leroy Griffin of the OFD-OES was onsite for the UFST removal and soil sampling activities.
- Confirmation soil samples collected for analyses from the excavation documented maximum residual soil contamination of 2,500 mg/kg of TVHg and 29 mg/kg of total lead at one end of the UFST excavation. Neither BTEX nor MTBE were detected in that sample, although method reporting limits were elevated due to required dilution. No contamination was detected at the other end of the UFST excavation.
- Approximately 40 cubic yards of excavated backfill material was offhauled under non-hazardous waste manifest to Keller Canyon Landfill in Pittsburg, California.
- The UFST and piping were transported offsite for scrapping/recycling.

- Based on the elevated gasoline concentration in residual soil and the likelihood of shallow groundwater, there is a strong potential that groundwater beneath the former UFST has been impacted. Groundwater impacts could be confirmed by advancing temporary soil borings in the immediate vicinity of the former UFST and collecting grab groundwater samples for laboratory analysis. It is likely that regulatory agencies will require such confirmation.
- This report has been submitted to the OFD-OES and the ACDEH. It is likely that ACDEH would act as lead regulatory agency if any additional investigation work is required.

5.0 LIMITATIONS

This report has been prepared for the exclusive use of Benner Automotive, its authorized representatives, and the regulators. No reliance on this report shall be made by anyone other than the client and regulators for whom it was prepared.

The findings and conclusions presented in this report are based on the UFST removal activities conducted by SES. This report provides neither a certification nor guarantee that the property is free of hazardous substance contamination. This report has been prepared in accordance with generally accepted methodologies and standards of practice of the area. The SES personnel who performed this limited remedial investigation are qualified to perform such investigations and have accurately reported the information available but cannot attest to the validity of that information. No warranty, expressed or implied, is made as to the findings, conclusions, and recommendations included in the report.

The findings of this report are valid as of the date of this report. Site conditions may change with the passage of time, natural processes, or human intervention, which can invalidate the findings and conclusions presented in this report. As such, this report should be considered a reflection of the current site conditions as based on the investigation and remediation completed.

6.0 REFERENCES

Alameda County Health Care Services Agency – Department of Environmental Health, 1995. Remedial Action Completion Certification and Case Closure Summary for 477 25th Street, Oakland, California. September 26.

Century West Engineering Corporation, 1994. Report of Soil and Groundwater Investigation at United Glass Company UFST Site – 477 25th Street, Oakland, California. February 18.

Oakland Fire Department
UFST Closure Plan and Permit Application

CITY OF OAKLAND
FIRE PREVENTION BUREAU
250 Frank Ogawa Plaza, Ste. 3341
OAKLAND, CALIFORNIA 94612-2032
(510) 238-3851

APPLICATION for PERMIT to INSTALL, REMOVE or REPAIR TANKS

In the CITY OF OAKLAND

Request Submittal Date: 12/04/02

PLEASE CIRCLE APPROPRIATE ACTIONS: Application is hereby made for permit to:

(a) Remove (b) Install (c) Repair (d) Modify (e) Abandon/Close in Place A

(a) Gasoline (b) Fuel oil (c) Diesel (d) _____ tank(s) and excavate, commencing:

(a) four feet inside the curb line*; (b) inside the property line; (c) aboveground; (d) underground tank(s)
**inside curb line, please attach copy of sidewalk/excavation permit from PLANNING AND BUILDING*

on the North side of 25th Street St./Ave. 100 feet EAST of Telegraph St./(Ave)

Site Address: 488 25th Street Present storage none

Owner: MIKE BENNER Address 488-25th Street Oakland Phone (510) 832-1244

Applicant: SPEELMAN EXCAVATION Address 18010 Aragone Way Phone (209) 887-9657
LINDEN, CA 95236

Sidewalk surface to be disturbed Yes X ___ Number of Tanks 1 Capacity 350 (estimated) Gallons ea.

Remarks _____

Signature Blaine M. Peralta STELLAR ENVIRONMENTAL SOLUTIONS Authorized Agent for Applicant

PLEASE ~~ATTACH~~/SUBMIT: *(All applicants must have a City Business License Permit)*

- (2) Copies of Closure Plans for underground tank removal(s)
- (2) Sets of plans and (1) copy of specifications for above ground tank removal
- not applicable (2) Sets of plans and (2) sets of application packets for underground tank installation/modifications
- not applicable (2) Sets of plans for aboveground tank installation and specifications
- not applicable copy or prepare to show Planning and Building approval for aboveground tank removal and tank repair

NOTE: FOR TANK INSTALLATION PLEASE SUBMIT THIS APPLICATION FORM ALONG WITH A APPLICATION FOR PERMIT TO OPERATE, MAINTAIN OR STORE

FOR OFFICE USE ONLY

Permit No. _____ Amt. Recv'd _____ Date Issued: _____
Copies to: Electrical Inspection Ck# _____ Cash _____
Receipt# _____ Recv'd by: _____

rev:05/98 Tk

City of Oakland, Fire Department, Office of Emergency Services
Hazardous Materials Program
APPLICATION FOR UNDERGROUND TANK REMOVAL

FACILITY

Project Contact & Phone # Mike Benner (510) 832-1244 — Owners consultant: Stellar Environmental Solutions Bruce Rucker 510/644-3123

Facility Name: Benner Automotive — Phone#: (510) 832-1244

Address: 488 25th Street Oakland CA 94162

Cross Street: Telegraph Avenue

Owner/Operator: Mike Benner — Phone #: (510) 832-1244

CONTRACTOR

Contractor Name: Speelman Excavation — Phone #: (209) 887-9657

Contractor Address: 13010 Arrigone Way Linden, CA 95236 — CA License #: 734167 — Class: C12, C21, A, HAZ

Hazardous Waste Certified: (Qualifying license category HAZ) Yes ☒ No ☐ — Workers Comp#: NA (contractor has no employees)

City of Oakland Business Tax License # — Permit #

Does this site have a leaking UST (or did it have a leaking tank system?) Yes ☐ No ☒

TANKS

State Tank ID#	Tank Size	Material That Was Stored	Proposed Removal Date
39-	Approx 350 gal	Gasoline	Mid-December 2002
39-			
39-			
39-			
39-			
39-			

PLAN

___APPROVED ___APPROVED WITH CONDITION(S) ___DISAPPROVED

PLAN REVIEWER S SIGNATURE_____ DATE OF APPROVAL_____

APPLICANT MUST PERFORM ALL WORK IN ACCORDANCE WITH CITY OF OAKLAND ORDINANCES, STATE LAWS, AND RULES AND REGULATIONS OF THE CITY OF OAKLAND FIRE SERVICES AGENCY. OWNER OR LICENSED AGENT S SIGNATURE CERTIFIES THE FOLLOWING: I CERTIFY THAT IN THE PERFORMANCE OF THE WORK FOR WHICH THIS INSTALLATION PLAN IS ISSUED, I SHALL NOT EMPLOY ANY PERSON IS SUCH A MANNER AS TO BECOME SUBJECT TO WORKER S COMPENSATION LAWS OF CALIFORNIA. CONTRACTOR S HIRING OR SUBCONTRACTING SIGNATURE CERTIFIES THE FOLLOWING: I CERTIFY THAT IN THE PERFORMANCE OF THE WORK FOR WHICH THIS INSTALLATION PLAN IS ISSUED, I SHALL EMPLOY PERSONS SUBJECT TO WORKER S COMPENSATION LAWS OF CALIFORNIA.

APPLICANT S SIGNATURE Bruce M. Rucker STELLAR ENVIRONMENTAL SOLUTIONS TITLE: Project Manager - Agent for Applicant DATE: 12/4/02

INDICATE THE RESPONSIBLE PARTY TO BE BILLED FOR ADDITIONAL FSA/OES STAFF TIME EXPENDED BEYOND THE HOURS COVERED BY THE INITIAL DEPOSIT AMOUNT. THE PARTY MUST ACKNOWLEDGE THIS RESPONSIBILITY FOR THE ADDITIONAL BILLING BY SIGNATURE AND DATE BELOW.

NAME STELLAR ENVIRONMENTAL SOLUTIONS

MAILING ADDRESS 2195 SIXTH STREET #201 BERKELEY CA 94710
STREET CITY, STATE, ZIP

DAY PHONE NUMBER (510) 644-3123
area code phone #

SIGNATURE Bruce M. Rueter

DATE 12/4/02

CITY OF OAKLAND
Fire Department
Fire Prevention Bureau
Hazardous Materials Program
250 Frank H. Ogawa Plaza, Ste. 3341
Oakland, CA 94612-2032

UNDERGROUND TANK CLOSURE PLAN

(Complete according to instructions)

1) Name of Business BENNER AUTOMOTIVE

Business Owner or Contact Person (PRINT) MIKE BENNER (property owner)

2) Site Address 488 25th Street

City OAKLAND CA Zip 94612 Phone (510) 832-1244

3) Mailing Address 488 25th Street

City OAKLAND CA Zip 94612 Phone (510) 832-1244

4) Property Owner MIKE BENNER

Business Name (if applicable) BENNER AUTOMOTIVE

Address 488 25th Street

City, State OAKLAND CA Zip 94612

5) Generator name under which tank will be manifested

Benner Automotive

EPA ID Under which tank will be manifested CA CAL000027149

6) Contractor SPEELMAN EXCAVATION

Address 18010 ARRIGONE WAY

City LINDEN CA Phone (209) 887-9657

License Type C12, C21, A, HAZ IDS Lic # 734167

Effective January 1, 1992, Business and Professional Code Section 7058.7 require contractors to also hold Hazardous Waste certification issued by the State Contractor License Board

7) Consultant (if applicable) STELLAR ENVIRONMENTAL SOLUTIONS
Address 2198 SIXTH STREET SUITE 201
City, State BERKELEY CA 94710 Phone (510) 644-3123

8) Main Contact Person for Investigation (if applicable)

Name BRUCE RUCKER Title PROJECT MANAGER

Company STELLAR ENVIRONMENTAL SOLUTIONS

Phone 510/644-3123

9) Number of underground tanks being closed with this plan 1 (Confirmed with owner operator)

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 CLEARWATER ENVIRONMENTAL EPA I.D. NO. CAR 000007013

Hauler License No. 3515 License Exp. Date 12/31/02

Address P.O. Box 2407

City Union City State CA Zip 94587

b) Product/Residual Sludge/Rinsate Disposal Site

Name ALWISO Independent Oil EPA ID No. CAL 000 161 743

Address 5002 ARCHER STREET

City Alviso State CA Zip 95002

c) Tank and Piping Transporter

Name Ecology Control Industries EPA I.D. No. CAD 982030173

c) Hauler License No. 1533 License Exp. Date 2/03

Address 255 PARR Blvd.

City RICHMOND State CA Zip 94801

d) Tank and Piping Disposal Site

Name Ecology Control Industries EPA I.D. No. CAD 009466392

Address 255 PARR Blvd

City RICHMOND State CA Zip 94801

11) Sample Collector

Name BRUCE RUCKER

Company STELLAR ENVIRONMENTAL SOLUTIONS, INC.

Address 2198 Sixth Street

City BERKELEY State CA Zip 94710

Phone (510) 644-3123

12) Laboratory

Name Curtis and Tompkins, Ltd.

Address 2323 Fifth Street

City BERKELEY State CA Zip 94710

State Certification No. 1496

13) Have tanks or pipes leaked in the past Yes ☐ No ☐ Unknown ☒

If yes, describe

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

vapor freeing with dry ice - check with LEL / O_2 meter

Before tanks are pumped out and inserted, 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 must also be contacted for tank removal permit. The use of a combustible gas indicator to verify tank inertness is required. It is the contractor's responsibility to bring a working combustible gas indicator on-site to verify that the tank is inert. **Note: you may be required to recalibrate the combustible gas indicator on site, to show that it is working properly.**

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)		
350-gal	Install date unknown. In 1960 the dispenser was removed + no further usage.	• Tank contents (if any exist) for offsite disposal profiling • Soil beneath removed tank →	One sample directly beneath removed UST if tank is < 500 gallons, or 1 beneath each end if tank is > 500 gals
		• There is no dispenser or piping known. If it exists, we will sample beneath piping.	

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

EXCAVATED/STOCKPILED SOIL

Stockpiled Soil volume (estimated)	Sampling Plan
unknown, likely less than 50 cubic yards.	one 4-point composite sample for disposal profiling.

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

Will the excavated soil be returned to the excavation immediately after tank removal?

☐ yes ☒ No ☐ unknown

If yes, explain reasoning_____

If unknown at this point in time, please be aware that excavated soil may no be returned to the excavation without prior approval from Fire Services Agency, Office of Emergency Services. This means that the contractor, consultant, or responsible party must communicate with the Hazardous Materials Inspector **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
Gasoline	EPA Method 5030 ~~8015M~~	EPA Method 8015 M (LUFT Manual Method)	1 mg/kg
Lead	EPA 3010/3050	EPA 6010	0.1 mg/kg

18. Submit Workers Compensation Certificate copy

    Name of Insurer NA (Contractor has no employees)

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

20. Enclose Permit fee (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 proved above, may be needed in order to obtain approval from the Hazardous Materials 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 age and that this responsibility is not shared nor assumed by the City of Oakland.

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

CONSULTANT &

CONTRACTOR INFORMATION

Name of Business Stellar Environmental Solutions, Inc.

Name of Individual Bruce Ruder

Signature Bruce M- Ruder Date 12/4/02

PROPERTY OWNER OR MOST RECENT TANK OPERATOR (Circle one)

Name of Business BENNER AUTOMOTIVE (PROPERTY OWNER)

Name of Individual MIKE BENNER

Signature Bruce M. Plumb Stellar Environmental Solutions Agent for owner Date 10/4/02

General Instructions

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

Line Item Specific Instructions

2. SITE ADDRESS
   Address at which closure is taking place.

5. EPA I.D. NO. - under which the tanks will be manifested
   EPA I.D. numbers may be obtained from the State Department of Toxic Substances Control, 916/324-1781

6. CONTRACTOR
   Prime contractor for the project.

10. STATE REGISTERED HAZARDOUS WASTE TRANSPORTERS/FACILITIES
   a) All residual liquids and sludges are to be removed from tanks before tanks are inerted.
   c) Tanks must be hauled as hazardous waste.
   d) This is the place where tanks will be taken for cleaning.

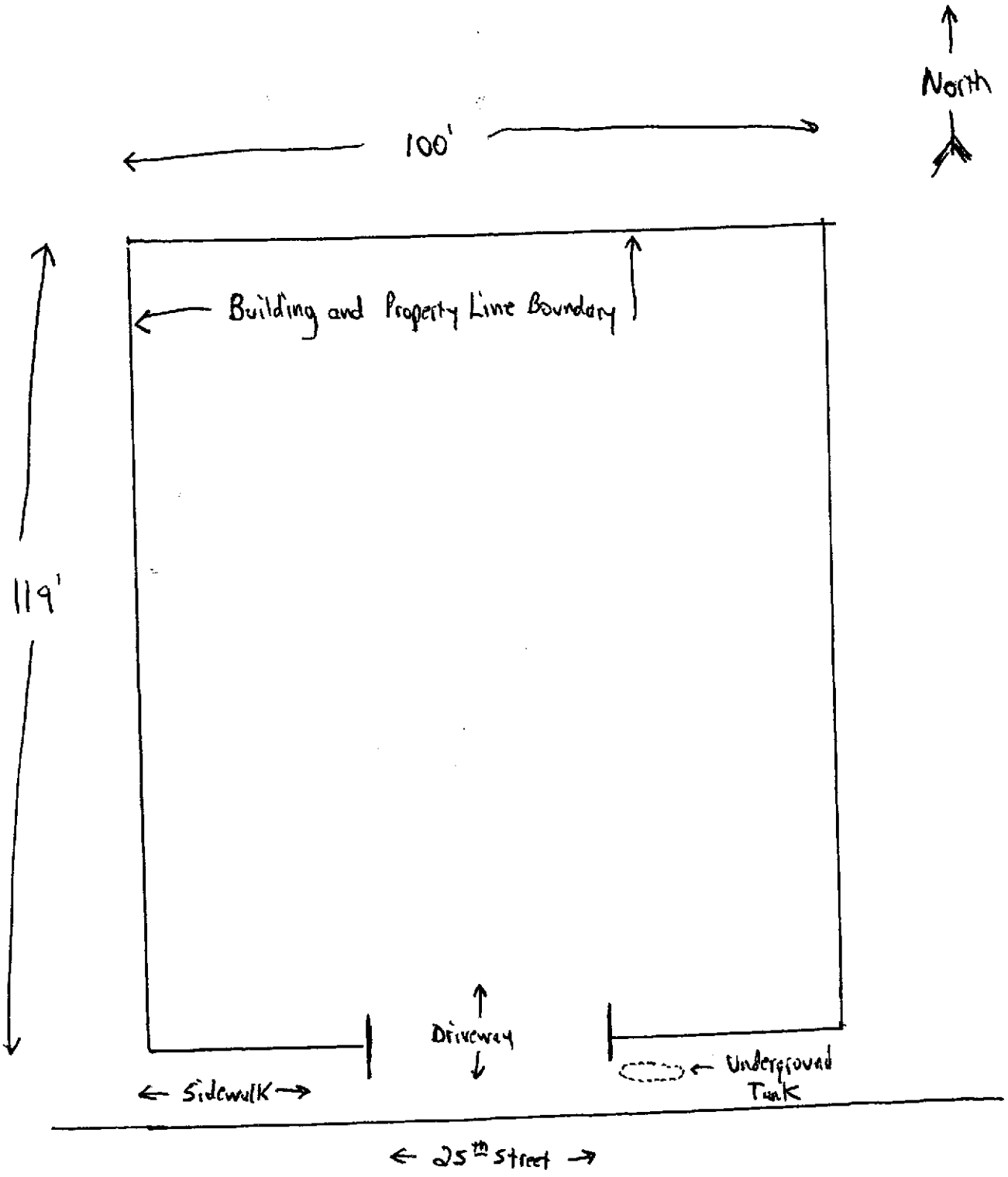
15) TANK HISTORY AND SAMPLING INFORMATION
   Use History - This information is essential and must be accurate. Include tank installation date, products stored in the tank, and the date when the tank was last used.
   Material to be sampled - e.g. water, oil, sludge, soil, etc.

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

16) CHEMICAL METHODS AND ASSOCIATED DETECTION LIMITS
   See attached Table 2.

17) SITE HEALTH AND SAFETY PLAN
   A site specific Health and Safety plan must be submitted. We advocate the site health and safety plan include the following items, at a minimum:
   a) The name and responsibilities of the site health and safety officer.
   b) An outline of briefings to be held before work each day to appraise employees of site health and safety hazards;

Plot Plan



Benner Automotive
488 - 25th Street, Oakland, CA

Health and Safety Plan and Documentation of HAZWOPER Training

HEALTH AND SAFETY PLAN

Project No. 2002-55 **Date** 12- -02

Client Benner Automotive **Address** 488 25th Street

Mike Benner Oakland, California 94162

Site Contact Mike Benner **Site Phone No.** (510) 832-1244

Job Location 488 25th Street, Oakland, California

Work Objectives Removal of one gasoline underground storage tank, approximately 350 gallons. Soil samples will be collected below tanks prior to backfilling of excavations. Soil samples will be collected in a backhoe bucket.

Key Individuals:

Project Manager Bruce Rucker

Site Health and Safety Officer Bruce Rucker

Prepared by Joe Dinan **Reviewer/Approver** Bruce Rucker

Hospital/Clinic Summit Medical Center - North

Phone No. (General) 510-655-4000 (ER) 510-869-6600

Address: 350 Hawthorne Ave., Oakland, CA. Refer to Plate 1 for Map

Driving Directions Drive west on 25th Street toward Telegraph Ave. Turn right on Telegraph Ave and driver for approximately ½ mile. Turn right onto Hawthorne, Summit Medical center will be on the right.

Paramedic 911 **Fire Dept.** 911 **Police Dept.** 911

Emergency/Contingency Plans: Stop work and evaluate situation. Shut down heavy equipment and stabilize victim(s). Notify health and safety officer or site project manager. Apply first aid and/or seek medical aid as necessary. Move injured personnel only if injuries permit. If necessary call Ambulance and/or Medical Personnel to transport injured to hospital. Refer to Plate 1 for location of nearest emergency medical facility site. Health and safety officer to notify Client and appropriate personnel of situation.

15 Minute Eyewash Not Required **Fire Extinguisher** Required **First Aid Kit** Required

Site Control Measures: Warn unauthorized people away from work area. Establish a work zone ("exclusion area") as appropriate using barricade tape or traffic cones. Traffic cones shall be used whenever working near traffic rights-of-way and whenever needed. Traffic cones and barricade tape will be placed around the excavation prior to backfilling.

Personal Decontamination Procedures: Skin that comes in contact with chemicals or soil/water with suspected contaminants shall be washed immediately with soap and water. Hands and face shall be thoroughly washed prior to eating, drinking, smoking, or other hand to mouth contact.

CHEMICAL HAZARDS

Anticipated chemical hazards are lead in on site soils. The permissible exposure limits (PEL) and acute/chronic health effects are listed in the table below for each of the chemicals that may be present.

Chemical Name (CAS#)	PEL	Expected Concentration	Health Hazards
TPH-gasoline		Soil: Unknown Water: Unknown	Acute: skin, eye, and respiratory irritation; headache, dizziness, blurred vision, slurred speech. Chronic:
Benzene	1 ppm	Soil: Unknown Water: Unknown	Acute: Abdominal pain, headache, dizziness. Chronic: **Carcinogen**, anemia, leukemia,
Toluene	50 ppm	Soil: Unknown Water: Unknown	Acute: Dermatitis (skin), respiratory irritant, headache, dizziness Chronic: n/a
Ethyl Benzene	100 ppm	Soil: Unknown Water: Unknown	Acute: Skin/eye irritant, headache, dizziness Chronic: n/a
Xylenes	100 ppm	Soil: Unknown Water: Unknown	Acute: Skin/eye irritant, headache, dizziness, drowsy Chronic: n/a
Methyl tert-butyl ether (MTBE)	40 ppm (TLV)	Soil: Unknown Water: Unknown	Acute: Vertigo, nausea, headache, irritation of the nasal passages, and dyspnea. Chronic: n/a

Notes: ppm = Parts Per Million n/a = Not Applicable

mg/kg = Milligrams per kilogram, approximately equivalent to ppm

Air Monitoring: Due to the high volatility of gasoline (UST contents), air monitoring will be conducted. If concentrations of vapors are above the lower explosive limit work will cease until it is deemed safe to resume. If concentrations of vapors are above the permissible exposure limits all personnel will be required to use a respirator.

PHYSICAL HAZARDS

____ Heat	X____ Slip, Trip, Fall	X____Excavations/Trench
____ Cold	____ Electrical Hazards	X____Moving Equipment
____ Wet	X____Underground Hazards	____Confined Space
X____ Noise	____Overhead Hazards	
____ Other ____		

PERSONAL PROTECTIVE EQUIPMENT

R = Required A = As Needed

R___ Hard Hat	R___ Safety Eyegear: glasses w/ side protection
R___ Safety Boots	A___Respirator (Type): Full-face ____ Half-face _X___
____ Orange Vest	____ Filter Type: Organic vapor ___ Acid gas ___ HEPA X_
R___ Hearing Protection	R___ Gloves (Type): Neoprene ___ Latex ___ Nitrile _X__
____ Tyvek Coveralls	____ Other Mobile phone ____
____ 5 Minute Escape Respirator	

MONITORING EQUIPMENT

___X___ Organic Vapor Analyzer (FID)	_____ PID with lamp of_____
___X___ Oxygen Meter	_____ Detector Tube (specify)_____
_____ Combustible Gas Meter	_____ Passive Dosimeter
_____ H_2S Meter	_____ Air Sampling Pump
_____ W. B. G. T.	Filter Media _____

DAILY HEALTH AND SAFETY BRIEFING OUTLINE

1. Emergency/Contingency Plans
2. Site Control Measures
3. Personal Decontamination
4. Chemical Hazards
5. Personal Protective Equipment
6. Monitoring Equipment

ONSITE SAFETY MEETING ATTENDEES

Signature	Name (Printed)/Title	Date

PERSONAL AIR MONITORING

Required? ____yes _X___no

Sample # _____ Sample # _____

Name _____ Name _____

Date _____ Date _____

Time On _____ Off _____ Time On _____ Off _____

Laboratory Used _____

PLATE 1

MAPQUEST.

ORBITZ

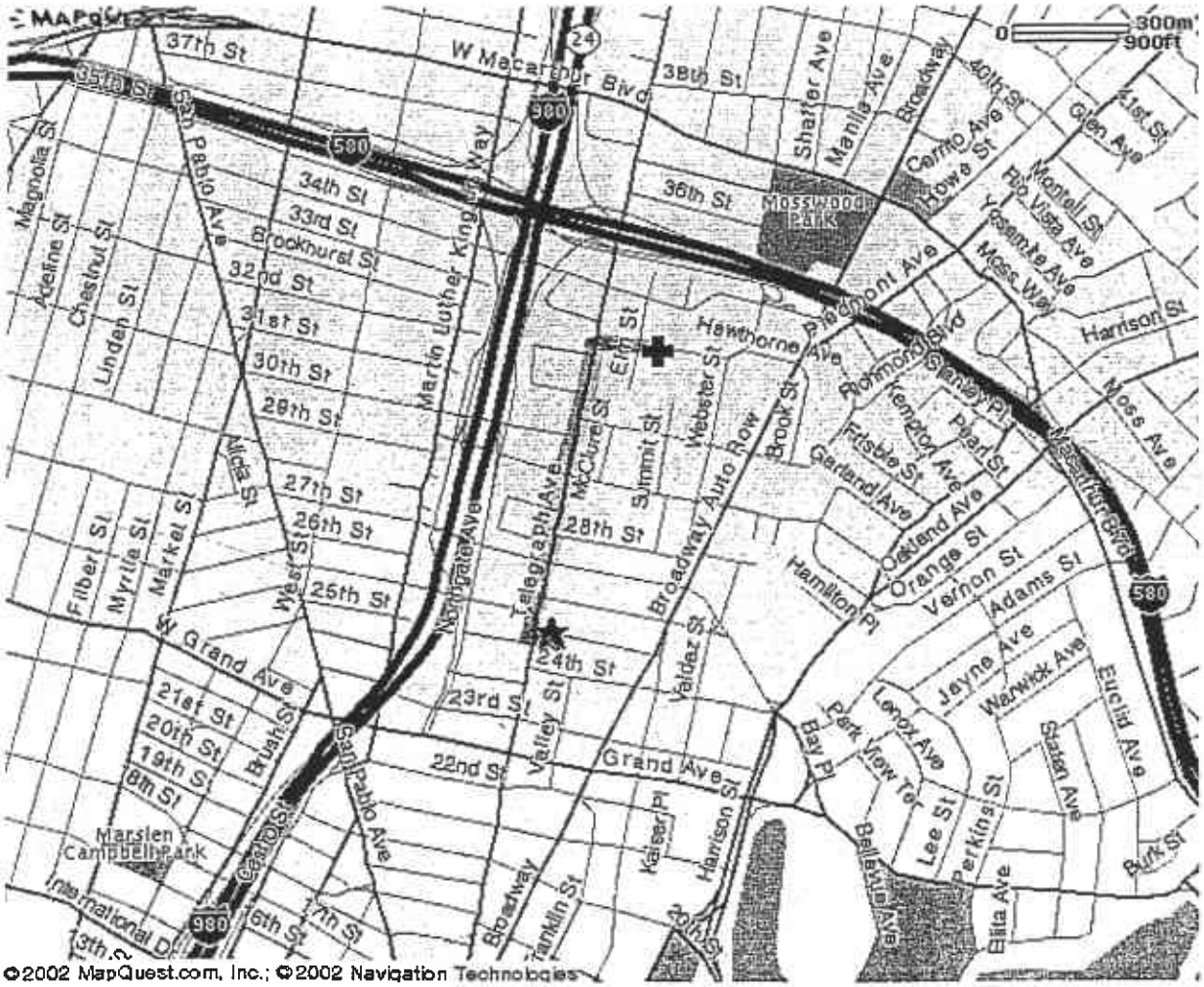
Send To Printer Back to Map

488 25th St
Oakland CA
94612-2409 US

Notes:

Book a Hotel:
Save up to 75% on
Orbitz Savers Nationwide!
Book Now!

Need Roadside Help? Get a locksmith, tow, tire change, jumpstart or gas. Just $69.99 when you mention MapQuest code 007. **Call 888-627-7623**



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State of California
CONTRACTORS STATE LICENSE BOARD
ACTIVE LICENSE

License Number 734167 Entity INDIV

Business Name SPEELMAN EXCAVATION

Classification(s) C12 HAZ C21 A

Expiration Date 03/31/2003

CALIFORNIA CONTRACTOR

LICENSE NUMBER 734167

BOND NUMBER 6026684

SPEELMAN EXCAVATION

BOND EXPIRATION DATE 02/28/2003

SPEELMAN Excavation

Harold Speelman
License #734167

18010 Arrigone Way
Linden, CA 95236
(209) 887-9657 phone

(209) 887-9537 fax
(209) 982-8142 pager
(209) 993-6699 mobile

STATE OF CALIFORNIA
STATE AND CONSUMER SERVICES AGENCY CONTRACTORS STATE LICENSE BOARD

Consumer Affairs

Building Quality

HAZARDOUS SUBSTANCES REMOVAL AND REMEDIAL ACTIONS CERTIFICATION

Pursuant to the provisions of Section 7058.7 of the Business and Professions Code, the Registrar of Contractors does hereby certify that the following qualifying person has successfully completed the hazardous substances removal and remedial actions examination.

DEPARTMENT OF CONSUMER AFFAIRS
REGISTRAR OF CONTRACTORS
STATE OF CALIFORNIA

Qualifier: HAROLD PETE SPEELMAN

License No.: 734167

Business Name: SPEELMAN EXCAVATION

WITNESS *my hand and official seal this* 19TH *day of* MAY 1997

Registrar of Contractors

13L-36 (4/96)

This certification is the property of the Registrar of Contractors, is not transferable, and shall be returned to the Registrar upon demand when suspended, revoked, or invalidated for any reason.

A- 7301

Tank Forms A and B

UNIFIED PROGRAM CONSOLIDATED FORM

TANKS

UNDERGROUND STORAGE TANKS - FACILITY

(one page per site) Page 1 of 1

TYPE OF ACTION (Check one item only) ☐ 1. NEW SITE PERMIT ☐ 3. RENEWAL PERMIT ☐ 4. AMENDED PERMIT ☐ 5. CHANGE OF INFORMATION specify change local use only _____ ☐ 6. TEMPORARY SITE CLOSURE ☐ 7. PERMANENTLY CLOSED SITE ☒ 8. TANK REMOVED 400

I. FACILITY / SITE INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As) 3: BENNER AUTOMOTIVE

FACILITY ID# 1:

NEAREST CROSS STREET 401: TELEGRAPH AVE

BUSINESS TYPE 403: ☐ 1. GAS STATION ☐ 2. DISTRIBUTOR ☐ 3. FARM ☐ 4. PROCESSOR ☐ 5. COMMERCIAL ☐ 6. OTHER

FACILITY OWNER TYPE 402: ☐ 1. CORPORATION ☒ 2. INDIVIDUAL ☐ 3. PARTNERSHIP ☐ 4. LOCAL AGENCY/DISTRICT* ☐ 5. COUNTY AGENCY* ☐ 6. STATE AGENCY* ☐ 7. FEDERAL AGENCY*

TOTAL NUMBER OF TANKS REMAINING AT SITE 404: 1

Is facility on Indian Reservation or trustlands? 405: ☐ Yes ☒ No

*If owner of UST is a public agency: name of supervisor of division, section or office which operates the UST (This is the contact person for the tank records.) 406

II. PROPERTY OWNER INFORMATION

PROPERTY OWNER NAME 407: MIKE BENNER

PHONE 408: (510) 832-1244

MAILING OR STREET ADDRESS 409: 488 25th Street

CITY 410: OAKLAND

STATE 411: CA

ZIP CODE 412: 94612

PROPERTY OWNER TYPE 413: ☐ 1. CORPORATION ☒ 2. INDIVIDUAL ☐ 3. PARTNERSHIP ☐ 4. LOCAL AGENCY / DISTRICT ☐ 5. COUNTY AGENCY ☐ 6. STATE AGENCY ☐ 7. FEDERAL AGENCY

III. TANK OWNER INFORMATION

TANK OWNER NAME 414: MIKE BENNER

PHONE 415: (510) 832-1244

MAILING OR STREET ADDRESS 416: 488 25th Street

CITY 417: OAKLAND

STATE 418: CA

ZIP CODE 419: 94612

TANK OWNER TYPE 420: ☐ 1. CORPORATION ☒ 2. INDIVIDUAL ☐ 3. PARTNERSHIP ☐ 4. LOCAL AGENCY / DISTRICT ☐ 5. COUNTY AGENCY ☐ 6. STATE AGENCY ☐ 7. FEDERAL AGENCY

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER

TY (TK) HQ 44- _____ Call (916) 322-9669 if questions arise 421

V. PETROLEUM UST FINANCIAL RESPONSIBILITY

INDICATE METHOD(s) 422: ☐ 1. SELF-INSURED ☐ 2. GUARANTEE ☐ 3. INSURANCE ☐ 4. SURETY BOND ☐ 5. LETTER OF CREDIT ☐ 6. EXEMPTION ☐ 7. STATE FUND ☐ 8. STATE FUND & CFO LETTER ☐ 9. STATE FUND & CD ☐ 10. LOCAL GOVT MECHANISM ☐ 99. OTHER: _____

VI. LEGAL NOTIFICATION AND MAILING ADDRESS

Check one box to indicate which address should be used for legal notifications and mailing. Legal notifications and mailings will be sent to the tank owner unless box 1 or 2 is checked. 423: ☐ 1. FACILITY ☐ 2. PROPERTY OWNER ☒ 3. TANK OWNER

VII. APPLICANT SIGNATURE

Certification – I certify that the information provided herein is true and accurate to the best of my knowledge.

SIGNATURE OF APPLICANT: Bruce M. Rucker

DATE 424: 12/3/02

PHONE 425: (510) 644-3123

NAME OF APPLICANT (print): BRUCE RUCKER

STELLAR ENVIRONMENTAL SOLUTIONS Authorized Agent for OWNER

TITLE OF APPLICANT 427: PROJECT MANAGER

STATE UST FACILITY NUMBER (For local use only) 428:

1998 UPGRADE CERTIFICATE NUMBER (For local use only) 429:

UNIFIED PROGRAM CONSOLIDATED FORM

TANKS

UNDERGROUND STORAGE TANKS – TANK PAGE 1

(two pages per tank)

Page 1 of 1

TYPE OF ACTION (Check one item only) ☐ 1 NEW SITE PERMIT ☐ 4 AMENDED PERMIT ☐ 5 CHANGE OF INFORMATION ☐ 6 TEMPORARY SITE CLOSURE ☐ 7 PERMANENTLY CLOSED ON SITE ☐ 3 RENEWAL PERMIT (Specify reason – for local use only) (Specify reason – for local use only) ☒ 8 TANK REMOVED 430

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As) 3: BENNER AUTOMOTIVE

FACILITY ID: 1

LOCATION WITHIN SITE (Optional) 431

I. TANK DESCRIPTION (A scaled plot plan with the location of the UST system including buildings and landmarks shall be submitted to the local agency.)

TANK ID # 432	TANK MANUFACTURER 433	COMPARTMENTALIZED TANK ☐ Yes ☒ No 434
unknown	unknown	If "Yes", complete one page for each compartment.
DATE INSTALLED (YEAR/MO) 435	TANK CAPACITY IN GALLONS 436	NUMBER OF COMPARTMENTS 437
unknown	Approximately 350 gallons	

ADDITIONAL DESCRIPTION (For local use only) 438

II. TANK CONTENTS

TANK USE 439
☒ 1. MOTOR VEHICLE FUEL (If marked complete Petroleum Type)
☐ 2. NON-FUEL PETROLEUM
☐ 3. CHEMICAL PRODUCT
☐ 4. HAZARDOUS WASTE (Includes Used Oil)
☐ 95. UNKNOWN

PETROLEUM TYPE ✓ possible 440
☒ 1a. REGULAR UNLEADED ☒ 2. LEADED ☐ 5. JET FUEL
☐ 1b. PREMIUM UNLEADED ☐ 3. DIESEL ☐ 6. AVIATION FUEL
☐ 1c. MIDGRADE UNLEADED ☐ 4. GASOHOL ☐ 99. OTHER _____

COMMON NAME (from Hazardous Materials Inventory page) 441

CAS# (from Hazardous Materials Inventory page) 442

III. TANK CONSTRUCTION

TYPE OF TANK (Check one item only) ☐ 1. SINGLE WALL ☐ 3. SINGLE WALL WITH EXTERIOR MEMBRANE LINER ☐ 5. SINGLE WALL WITH INTERNAL BLADDER SYSTEM ☒ 95. UNKNOWN ☐ 2. DOUBLE WALL ☐ 4. SIGNLE WALL IN VAULT . ☐ 99. OTHER _____ 443

TANK MATERIAL – primary tank (Check one item only) ☐ 1. BARE STEEL ☐ 3. FIBERGLASS / PLASTIC ☐ 5. CONCRETE ☒ 95. UNKNOWN ☐ 2. STAINLESS STEEL ☐ 4. STEEL CLAD W/FIBERGLASS REINFORCED PLASTIC (FRP) ☐ 8. FRP COMPTIBLE W/100% METHANOL ☐ 99. OTHER _____ 444

TANK MATERIAL – secondary tank (Check one item only) ☐ 1. BARE STEEL ☐ 3. FIBERGLASS / PLASTIC ☐ 5. CONCRETE ☒ 95. UNKNOWN ☐ 2. STAINLESS STEEL ☐ 4. STEEL CLAD W/FIBERGLASS REINFORCED PLASTIC (FRP) ☐ 8. FRP COMPTIBLE W/100% METHANOL ☐ 99. OTHER _____ ☐ 10. COATED STEEL ☐ 5. CONCRETE 445

TANK INTERIOR LINING OR COATING (Check one item only) ☐ 1. RUBBER LINED ☐ 3. EPOXY LINING ☐ 5. GLASS LINING ☒ 95. UNKNOWN 446 DATE INSTALLED 447 (For local use only)
☐ 2 ALKYD LINING ☐ 4 PHENOLIC LINING ☐ 6 UNLINED ☐ 99 OTHER

OTHER CORROSION PROTECTION IF APPLICABLE (Check one item only) ☐ 1 MANUFACTURED CATHODIC PROTECTION ☐ 3 FIBERGLASS REINFORCED PLASTIC ☐ 4 IMPRESSED CURRENT ☐ 2 SACRIFICIAL ANODE ☒ 95 UNKNOWN ☐ 99 OTHER 448 DATE INSTALLED 449 (For local use only)

SPILL AND OVERFILL (Check all that apply) YEAR INSTALLED 450 TYPE (local use only) 451
☐ 1 SPILL CONTAINMENT unknown _____
☐ 2 DROP TUBE _____ _____
☐ 3 STRIKER PLATE _____ _____

OVERFILL PROTECTION EQUIPMENT: YEAR INSTALLED unknown 452
☐ 1 ALARM _____ ☐ 3 FILL TUBE SHUT OFF VALVE _____
☐ 2 BALL FLOAT _____ ☐ 4 EXEMPT

IV. TANK LEAK DETECTION (A description of the monitoring program shall be submitted to the local agency.)

IF SINGLE WALL TANK (Check all that apply) unknown 453
☐ 1 VISUAL (EXPOSED PORTION ONLY)
☐ 2 AUTOMATIC TANK GAUGING (ATG)
☐ 3 CONTINUOUS ATG
☐ 4 STATISTICAL INVENTORY RECONCILIATION (SIR) BIENNIAL TANK TESTING
☐ 5 MANUAL TANK GAUGING (MTG)
☐ 6 VADOSE ZONE
☐ 7 GROUNDWATER
☐ 8 TANK TESTING
☐ 99 OTHER _____

IF DOUBLE WALL TANK OR TANK WITH BLADDER 454
(Check one item only)
☐ 1 VISUAL (SINGLE WALL IN VAULT ONLY)
☐ 2 CONTINUOUS INTERSTITIAL MONITORING
☐ 3 MANUAL MONITORING

IV. TANK CLOSURE INFORMATION / PERMANENT CLOSURE IN PLACE

ESTIMATED DATE LAST USED (YR/MO/DAY) 455	ESTIMATED QUANTITY OF SUBSTANCE REMAINING 456	TANK FILLED WITH INERT MATERIAL? 457
~~1997~~ 1960	unknown gallons	☐ Yes ☒ No

UNIFIED PROGRAM CONSOLIDATED FORM

TANKS

UNDERGROUND STORAGE TANKS – TANK PAGE 2

VI. PIPING CONSTRUCTION (Check all that apply)

	UNDERGROUND PIPING	ABOVEGROUND PIPING
SYSTEM TYPE	Unknown ☐ 1. PRESSURE ☐ 2. SUCTION ☐ 3. GRAVITY 458	☐ 1. PRESSURE ☐ 2. SUCTION ☐ 3. GRAVITY 459
CONSTRUCTION	☐ 1. SINGLE WALL ☐ 3. LINED TRENCH ☐ 99. OTHER 460	☐ 1. SINGLE WALL ☒ 95. UNKNOWN 462
MANUFACTURER	☐ 2. DOUBLE WALL ☒ 95. UNKNOWN	☐ 2. DOUBLE WALL ☐ 99. OTHER
MANUFACTURER	----- 461	MANUFACTURER ----- 463
	☐ 1. BARE STEEL ☐ 6. FRP COMPATIBLE w/100% METHANOL	☐ 1. BARE STEEL ☐ 6. FRP COMPATIBLE W/100% METHANOL
	☐ 2. STAINLESS STEEL ☐ 7. GALVANIZED STEEL ☒ Unknown	☐ 2. STAINLESS STEEL ☐ 7. GALVANIZED STEEL
	☐ 3. PLASTIC COMPATIBLE W/ CONTENTS ☐ 99. Other	☐ 3. PLASTIC COMPATIBLE W/ CONTENTS ☐ 8. FLEXIBLE (HDPE) ☐ 99. OTHER
	☐ 4. FIBERGLASS ☐ 8. FLEXIBLE (HDPE)	☐ 4. FIBERGLASS ☐ 9. CATHODIC PROTECTION
	☐ 5. STEEL W/COATING ☐ 9. CATHODIC PROTECTION 464	☐ 5. STEEL W/COATING ☒ 95. UNKNOWN 465

VII. PIPING LEAK DETECTION (Check all that apply) (A description of the monitoring program shall be submitted to the local agency.)

UNDERGROUND PIPING

SINGLE WALL PIPING 466 Unknown

PRESSURIZED PIPING (Check all that apply):

- ☐ 1. ELECTRONIC LINE LEAK DETECTOR 3.0 GPH TEST WITH AUTO PUMP SHUT OFF FOR LEAK, SYSTEM FAILURE, AND SYSTEM DISCONNECTION + AUDIBLE AND VISUAL ALARMS.
- ☐ 2. MONTHLY 0.2 GPH TEST
- ☐ 3. ANNUAL INTEGRITY TEST (0.1GPH)

CONVENTIONAL SUCTION SYSTEMS

- ☐ 5. DAILY VISUAL MONITORING OF PUMPING SYSTEM + TRIENNIAL PIPING INTEGRITY TEST (0.1 GPH)

SAFE SUCTION SYSTEMS (NO VALUES IN BELOW GROUNDPIPING):

- ☐ 7. SELF MONITORING

GRAVITY FLOW

- ☐ 9. BIENNIAL INTEGRITY TEST (0.1 GPH)

SECONDARILY CONTAINED PIPING

PRESSURIZED PIPING (Check all that apply):

- 10. CONTINUOUS TURBINE SUMP SENSOR WITH AUDIBLE AND VISUAL ALARMS AND (Check one)
  - ☐ a. AUTO PUMP SHUT OFF WHEN A LEAK OCCURS
  - ☐ b. AUTO PUMP SHUT OFF FOR LEAKS, SYSTEM FAILURE AND SYSTEM DISCONNECTION
  - ☐ c. NO AUTO PUMP SHUT OFF
- ☐ 11. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST) WITH FLOW SHUT OFF OR RESTRICTION
- ☐ 12. ANNUAL INTEGRITY TEST (0.1 GPH)

SUCTION/GRAVITY SYSTEM

- ☐ 13. CONTINUOUS SUMP SENSOR + AUDIBLE AND VISUAL ALARMS

EMERGENCY GENERATORS ONLY (Check all that apply)

- ☐ 14. CONTINUOUS SUMP SENSOR WITHOUT AUTO PUMP SHUT OFF + AUDIBLE AND VISUAL ALARMS
- ☐ 15. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST) WITHOUT FLOW SHUT OFF OR RESTRICTION
- ☐ 16. ANNUAL INTEGRITY TEST (0.1 GPH)
- ☐ 17. DAILY VISUAL CHECK

ABOVEGROUND PIPING

SINGLE WALL PIPING 467

PRESSURIZED PIPING (Check all that apply):

- ☐ 1. ELECTRONIC LINE LEAK DETECTOR 3.0 GPH TEST WITH AUTO PUMP SHUT OFF FOR LEAK, SYSTEM FAILURE, AND SYSTEM DISCONNECTION + AUDIBLE AND VISUAL ALARMS.
- ☐ 2. MONTHLY 0.2 GPH TEST
- ☐ 3. ANNUAL INTEGRITY TEST (0.1GPH)
- ☐ 4. DAILY VISUAL CHECK

CONVENTIONAL SUCTION SYSTEMS (Check all that apply)

- ☐ 5. DAILY VISUAL MONITORING OF PIPING AND PUMPING SYSTEM
- ☐ 6. TRIENNIAL INTEGRITY TEST (0.1 GPH)

SAFE SUCTION SYSTEMS (NO VALVES IN BELOW GROUND PIPING):

- ☐ 7. SELF MONITORING

GRAVITY FLOW (Check all that apply):

- ☐ 8. DAILY VISUAL MONITORING
- ☐ 9. BIENNIAL INTEGRITY TEST (0.1 GPH)

SECONDARILY CONTAINED PIPING

PRESSURIZED PIPING (Check all that apply):

- 10. CONTINUOUS TURBINE SUMP SENSOR WITH AUDIBLE AND VISUAL ALARMS AND (Check one)
  - ☐ a AUTO PUMP SHUT OFF WHEN A LEAK OCCURS
  - ☐ b AUTO PUMP SHUT OFF FOR LEAKS, SYSTEM FAILURE AND SYSTEM DISCONNECTION
  - ☐ c NO AUTO PUMP SHUT OFF
- ☐ 11. AUTOMATIC LEAK DETECTOR
- ☐ 12. ANNUAL INTEGRITY TEST (0.1 GPH)

SUCTION/GRAVITY SYSTEM

- ☐ 13. CONTINUOUS SUMP SENSOR + AUDIBLE AND VISUAL ALARMS

EMERGENCY GENERATORS ONLY (Check all that apply)

- ☐ 14. CONTINUOUS SUMP SENSOR WITHOUT AUTO PUMP SHUT OFF + AUDIBLE AND VISUAL ALARMS
- ☐ 15. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST)
- ☐ 16. ANNUAL INTEGRITY TEST (0.1 GPH)
- ☐ 17. DAILY VISUAL CHECK

VIII. DISPENSER CONTAINMENT

DISPENSER CONTAINMENT

DATE INSTALLED 468 -----

- ☐ 1. FLOAT MECHANISM THAT SHUTS OFF SHEAR VALVE
- ☐ 2. CONTINUOUS DISPENSER PAN SENSOR + AUDIBLE AND VISUAL ALARMS
- ☐ 3. CONTINUOUS DISPENSER PAN SENSOR WITH AUTO SHUT OFF FOR DISPENSER + AUDIBLE AND VISUAL ALARMS
- ☐ 4. DAILY VISUAL CHECK
- ☐ 5. TRENCH LINER / MONITORING
- ☒ 6. NONE 469

IX. OWNER/OPERATOR SIGNATURE

I certify that the information provided herein is true and accurate to the best of my knowledge.

SIGNATURE OF OWNER/OPERATOR Bruce M. Tucker	DATE 12/3/02 470
NAME OF OWNER/OPRATOR (print) BRUCE TUCKER	TITLE OF OWNER/OPERATOR 472 PROJECT MANAGER
	STELLAR ENVIRONMENTAL SOLUTIONS AGENT FOR OWNER

Permit Number (For local use only) 473 Permit Approved (For local use only) 474 Permit Expiration Date (For local use only) 475

Building

EXCAVATION PERMIT

TO EXCAVATE IN STREETS OR OTHER SPECIFIED WORK

CIVIL ENGINEERIN

PERMIT NUMBER X020 1249	SITE ADDRESS/LOCATION 488 25th Street Oakland
APPROX. START DATE 12/20/02 / APPROX. END DATE 1/2/03	24-HOUR EMERGENCY PHONE NUMBER (Permit not valid without 24-Hour number) 510-644-3123
CONTRACTOR'S LICENSE # AND CLASS 734167 C12, C21, HAZ, A	CITY BUSINESS TAX # 2539152

ATTENTION:

1- State law requires that the contractor/owner call Underground Service Alert (USA) two working days before excavating. This permit is not valid unless applicant has secured an inquiry identification number issued by USA. The USA telephone number is 1-800-642-2444. Underground Service Alert (USA) # 499823

2- **48 hours prior to starting work, you MUST CALL (510) 238-3651 to schedule an inspection.**

3- **48 hours prior to re-paving, a compaction certificate is required (waived for approved slurry backfill).**

OWNER/BUILDER

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License law Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than $500):

☐ I, as an owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale).

☐ I, as owner of the property, am exempt from the sale requirements of the above due to: (1) I am improving my principal place of residence or appurtenances thereto, (2) the work will be performed prior to sale, (3) I have resided in the residence for the 12 months prior to completion of the work, and (4) I have not claimed exemption on this subdivision on more than two structures more than once during any three-year period. (Sec. 7044 Business and Professions Code).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project, (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License law).

☐ I am exempt under Sec. ________, B&PC for this reason ________

WORKER'S COMPENSATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Worker's Compensation Insurance, or a certified copy thereof (Sec. 3700, Labor Code).

Policy # ________ Company Name ________

X I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Worker's Compensation Laws of California (not required for work valued at one hundred dollars ($100) or less).

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked. This permit is issued pursuant to all provisions of Title 12 Chapter 12.12 of the Oakland Municipal Code. It is granted upon the express condition that the permittee shall be responsible for all claims and liabilities arising out of work performed under the permit or arising out of permittee's failure to perform the obligations with respect to street maintenance. The permittee shall, and by acceptance of the permit agrees to defend, indemnify, save and hold harmless the City, its officers and employees, from and against any and all suits, claims, or actions brought by any person for or on account of any bodily injuries, disease or illness or damage to persons and/or property sustained or arising in the construction of the work performed under the permit or in consequence of permittee's failure to perform the obligations with respect to street maintenance. This permit is void 90 days from the date of issuance unless an extension is granted by the Director of the Office of Planning and Building.

I hereby affirm that I am licensed under provisions of Chapter 9 of Division 3 of the Business and Professions Code and my license is in full force and effect (if contractor), that I have read this permit and agree to its requirements, and that the above information is true and correct under penalty of law.

[signature] Steller Environmental Solutions, Inc. 12/6/02

Signature of Permittee ☒ Agent for ☒ Contractor ☐ Owner Date

DATE STREET LAST RESURFACED	SPECIAL PAVING DETAIL REQUIRED? ☐ YES ☐ NO	HOLIDAY RESTRICTION? (NOV 1 - JAN 1) ☐ YES ☐ NO	LIMITED OPERATION AREA? (7AM-9AM & 4PM-6PM) ☐ YES ☐ NO
ISSUED BY [signature]		DATE ISSUED 12-6-02	

City Of Oakland
FIRE PREVENTION BUREAU
250 Frank Ogawa Plaza, Ste. 3341
Oakland California 94612-2032
510-238-3851

Permit To Excavate And Instau, Repair, Or Remove Inflammable Liquid Tanks

Oakland, California December 23, 2002

Tank Permit Number: 77-02

Permission Is Hereby Granted To:
Removal Gasoline **Tank And Excavate Commencing:** 4 **Feet Inside:** ~~Property~~ CURB **Line.**

On The: North side of 25th Street, 100 feet East of Telegraph Ave

Site Address: 488 25th Street **Present Storage:**

Owner: Mike Benner **Address:** 488 25th Street, Oakland, CA 94612 **Phone:** 510-832-1244

Applicant: Speelman Excavation **Address:** 18010 Arrigone Way, Linden, CA 95236 **Phone:** 209-887-9657

Dimensions Of Street (sidewalk) Surface To Be Disturbed : X **No. Of Tanks** 1 **Capacity** 350 - Estimated **Gallons, Each**

Remarks

This Permit Is Granted In Accordance With Existing City Ordinances. Owner Hereby Agrees To Remove Tanks On Discontinuance Of Use Or When Notified By The City Authorities When Installing, Removing Or Repairing Tanks, No Open Flame To Be On Or Near Premises.

CERTIFICATE OF TANK AND EQUIPMENT INSPECTION

Type Of Inspection: ____________

Inspected And Passed On: ____________

By: ____________

UST/AST Installations/modifications:

Pressure Test: Inspected By: ____________ **Date:** ________

Primary Piping Test: Inspected By: ____________ **Date:** ________

Secondary Containment & Sump Testing:

Inspected By: ____________ **Date:** ________

Final: Inspected By: ____________ **Date:** ________

Approved: [signature]
Fire Marshal

Inspection Fee Paid: $ 540.00

Received By: C. T. Clark - chk# 3707 - rec# 851401

Before Covering Tanks, Above Certification Must Be Signed When Ready For Inspection Notify Fire Prevention Bureau 238-3851

THIS PERMIT MUST BE LEFT ON THE WORK SITE AS AUTHORITY THEREFORE

[redacted] ntion [redacted] ite - [redacted] reve [redacted] Bure [redacted] ellov [redacted] ntra [redacted] ink [redacted] trica [redacted] ectio [redacted]

BAY AREA AIR QUALITY MANAGEMENT DISTRICT
939 ELLIS STREET
SAN FRANCISCO, CALIFORNIA 94109
(415) 771-6000

REGULATION 8, RULE 40
Aeration of Contaminanted Soil and Removal of Underground Storage Tanks

NOTIFICATION FORM

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

SITE INFORMATION

SITE ADDRESS 488 25th Street
CITY, STATE, ZIP Oakland CA 94612
OWNER NAME Benner Auto Repair
SPECIFIC LOCATION OF PROJECT Sidewalk in front of facility building

TANK REMOVAL

SCHEDULED STARTUP DATE 1/7/03

VAPORS REMOVED BY:

[ ] WATER WASH
[X] VAPOR FREEING (CO^2)
[ ] VENTILATION

CONTAMINATED SOIL EXCAVATION

SCHEDULED STARTUP DATE 1/7/03

STOCKPILES WILL BE COVERED? YES X NO ____

ALTERNATIVE METHOD OF AERATION (DESCRIBE BELOW):

____
(MAY REQUIRE PERMIT)

CONTRACTOR INFORMATION

NAME Speelman Excavation CONTACT Harold Speelman
ADDRESS 18010 Arrigone Way PHONE (209) 887-9657
CITY, STATE, ZIP Linden CA 95236

CONSULTANT INFORMATION
(IF APPLICABLE)

NAME Stellar Environmental Solutions Inc. CONTACT Bruce Rucker
ADDRESS 2198 Sixth Street #201 PHONE (510) 644-3123
CITY, STATE, ZIP Berkeley CA 94710

FOR OFFICE USE ONLY

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

3/89

OAKLAND FIRE DEPARTMENT, OES
UNDERGROUND STORAGE TANK CLOSURE/REMOVAL FIELD INSPECTION REPORT

Site Address:	488 25th	Name of Facility:	Beilner Auto
Inspector:	L. Griffin	Contact on site:	
Date and Time of Arrival:	1/7/03, 1136	Contractor/Consultant:	Stelker Env

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

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

Tank Observations	T #1	T #2	T #3	T #4
Tank Capacity (gallons)	1000			
Material last stored	GAS			
Dry ice used (pounds)				
Combustible gas concentration as %LEL. *(Note time & sampling point)*				
(1)	0			
(2)				
(3)				
Oxygen concentration as % volume. *(Note time &sampling point.)*				
(1)	0			
(2)				
(3)				
Tank Material	STEEL			
Wrapping/Coating, if any	TAR			
Obvious holes?				

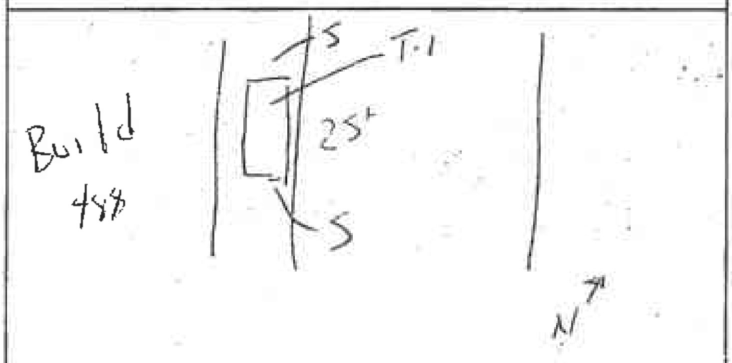
Tank Observations	T #1	T #2	T #3	T #4
Obvious corrosion?	NO			
Obvious odors from tank?	YES			
Seams intact?	N			
Tank bed backfill material	SAND			
Obvious discoloration?				
Obvious odors ex tank bed?	NO			
Water in excavation?	NO			
Sheen/product on water?	N/A			
Tank tagged by transporter?	YES			
Tank wrapped for transport?	YES			
Tank plugged w/ vent cap?	YES			
Date/time tank hauled off?				
No. of soil samples taken?	2			
Depth of soil samples (ft. bgs)	9			

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

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

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

SITE & SAMPLING DIAGRAM



Notes/Comments: HW MANIFEST

OAKLAND FIRE DEPARTMENT/OFFICE OF EMERGENCY SERVICES
HAZARDOUS MATERIALS UNIT

1605 Martin Luther King Jr. Way, Oakland, CA 94612 • (510) 238-3938

HAZARDOUS MATERIALS INSPECTION REPORT

Site Number	Facility Name	Facility Address	Zip Code
-	BENNER AUTO	488 25th STREET	

Inspection Report

☒ **PERMISSION TO INSPECT GRANTED**

ON SITE FOR REMOVAL of (1) ONE STEEL, TAR WRAPPED UST.

Conditions

TANK HAD NO holes OR CORROSION. TANK pit had obvious SOIL contamination. SOIL SAMPLES WERE PREPARED FOR 24 HOUR ~~ANALYSIS~~ ANALYSIS.

TANK MANIFESTED # 22055695

UST REPORT DUE IN 30 DAYS

No other PROBLEMS NOTED DURING REMOVAL.

Facility Contact/Print Name:	Inspected By:	☒ GRIFFIN	
		☐ Insp. Matthews	238-2396
Facility Contact/Signature:	238-3938	☐ Insp. Craford	238-7758
		☐ Insp. Gomez	238-7253
	Date:	1/7/03	

3-156 (9/01)

Subject: Location of UST under sidewalk in front of Benner Automotive. Note cold-poured concrete from tank installation.	
Site: Benner Automotive, 488 25th Street, Oakland, California	
Date Taken: January 7, 2003	Project No.: SES 2002-55
Photographer: Bruce Rucker	Photo No.: 01

Subject: Inerting the tank by emplacing dry ice prior to disposal transportation.	
Site: Benner Automotive, 488 25th Street, Oakland, California	
Date Taken: January 7, 2003	Project No.: SES 2002-55
Photographer: Bruce Rucker	Photo No.: 02

Subject: Tank being removed from excavation.	
Site: Benner Automotive, 488 25th Street, Oakland, California	
Date Taken: January 7, 2003	Project No.: SES 2002-55
Photographer: Bruce Rucker	Photo No.: 03

Subject: Open excavation after removal of tank and collection of confirmation samples.	
Site: Benner Automotive, 488 25th Street, Oakland, California	
Date Taken: January 7, 2003	Project No.: SES 2002-55
Photographer: Bruce Rucker	Photo No.: 04

Subject: View of covered excavation and stockpiled soil prior to backfilling and off-hauling.	
Site: Benner Automotive, 488 25th Street, Oakland, California	
Date Taken: January 9, 2003	Project No.: SES 2002-55
Photographer: Bruce Rucker	Photo No.: 05

Subject: Backfilling excavation.	
Site: Benner Automotive, 488 25th Street, Oakland, California	
Date Taken: January 9, 2003	Project No.: SES 2002-55
Photographer: Joe Dinan	Photo No.: 06

Subject: Compacting backfill in excavation to meet City of Oakland requirements.	
Site: Benner Automotive, 488 25th Street, Oakland, California	
Date Taken: January 9, 2003	Project No.: SES 2002-55
Photographer: Joe Dinan	Photo No.: 07

Subject: Mark Hopkins of Construction Materials Testing, Inc. testing backfilled excavation to ensure 95% compaction.	
Site: Benner Automotive, 488 25th Street, Oakland, California	
Date Taken: January 9, 2003	Project No.: SES 2002-55
Photographer: Joe Dinan	Photo No.: 08

Subject: Loading stockpiled soil for disposal at Forward sanitary Landfill.	
Site: Benner Automotive, 488 25th Street, Oakland, California	
Date Taken: January 9, 2003	Project No.: SES 2002-55
Photographer: Joe Dinan	Photo No.: 09

Subject: Location of former tank. SES scope of work completed. Excavation is backfilled and awaits concrete pouring.	
Site: Benner Automotive, 488 25th Street, Oakland, California	
Date Taken: January 9, 2003	Project No.: SES 2002-55
Photographer: Joe Dinan	Photo No.: 10

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. Form designed for use on elite (12-pitch) typewriter.

See Instructions on back of page 6.

Department of Toxic Substances Contr
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAL000271449
Manifest Document No.: 95695
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

A. State Manifest Document Number: 22095695

3. Generator's Name and Mailing Address: Benner Auto, 488 75th St, Oakland, CA 94612

4. Generator's Phone (510) 832-1244

B. State Generator's ID

5. Transporter 1 Company Name: Ecology Control Industries
6. US EPA ID Number: CAD982030173

C. State Transporter's ID (Reserved)
D. Transporter's Phone (510) 235-1393

7. Transporter 2 Company Name
8. US EPA ID Number

E. State Transporter's ID (Reserved)
F. Transporter's Phone

9. Designated Facility Name and Site Address:
Ecology Control Industries
255 Parr Blvd
Richmond, CA 94801

10. US EPA ID Number: CAD009466392

G. State Facility's ID
H. Facility's Phone 510-235-1393

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA hazardous waste, solid (waste empty storage tank)	001	TP	01000	P	State 512; EPA/Other NONE
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
11a. QTY 1 EMPTY STORAGE TANK# 30376
TANKS HAVE BEEN INERTED WITH 15 LBS DRY ICE PER 1000 GALLONS CAPACITY

K. Handling Codes for Wastes Listed Above
a. b. c. d.

15. Special Handling Instructions and Additional Information
Wear proper protective equipment while handling. Weights or volumes are approximate.
24 Hour emergency contact: Benner Auto
24 Hour emergency telephone number: 510-832-1244 **ECI JOB#**

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

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Mike Benner
Signature: Michael R. Benner
Month Day Year: 01 07 03

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Mike Thompson
Signature: Mike Thompson
Month Day Year: 01 07 03

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name
Signature
Month Day Year

GENERATOR / TRANSPORTER / FACILITY

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

DO NOT WRITE BELOW THIS LINE.

8022A (1/99)

Yellow: GENERATOR RETAINS

STELLAR ENVIRONMENTAL SOLUTIONS
2198 SIXTH STREET, BERKELEY, CA 94710
TEL: 510.644.3123 ★ FAX: 510.644.3859

TRANSMITTAL MEMORANDUM

TO: DEPT. OF TOXIC SUBSTANCES CONTROL
P.O. BOX 400
SACRAMENTO, CA 95812-0400

DATE: 01/9/03

ATTENTION: HAZARDOUS WASTE MANIFESTS

FILE: SES 2002-51

SUBJECT: TANK REMOVAL
488 25TH STREET
BERKELEY, CALIFORNIA

WE ARE SENDING:
- ☒ HEREWITH
- ☐ UNDER SEPARATE COVER
- ☒ VIA MAIL
- ☐ VIA

THE FOLLOWING: (1) HAZARDOUS WASTE MANIFEST FOR (1) TANK

- ☐ AS REQUESTED
- ☐ FOR YOUR APPROVAL
- ☐ FOR REVIEW
- ☐ FOR YOUR USE
- ☐ FOR SIGNATURE
- ☒ FOR YOUR FILES

COPIES TO:

BY: Bruce Rucker BNR

ALLIED WASTE

GENERATOR WASTE PROFILE SHEET

Requested Disposal Facility: Keller Canyon Landfill
an Allied Waste Company

Waste Profile #
AWI Sales Rep:
Date: 1/8/03

I. Generator Information

Generator Name: Benner Auto Repair			
Generator Site Address: 488 25th Street			
City: Oakland	County: Alameda	State: CA	Zip: 94612
State ID/Reg No:	State Approval/Waste Code: (if applicable)		SIC Code:
Generator Mailing Address (if different): same as above			
City:	County:	State:	Zip:
Generator Contact Name: Mike Benner			
Phone Number: 510-832-1244		Fax Number: 510-832-1245	

IIa. Transporter Information

Transporter Name: Munley & Sons Trucking		Contact Name:	
Transporter Address: 8896 Elder Creek			
City: Sacramento	County: Sacramento	State: CA	Zip: 95828
Phone Number: 916-381-6864	Fax Number: 916-381-1573	State Transportation Number: Not applicable.	

IIb. Billing Information

Bill To: Speelman Excavation		Contact Name: Harold Speelman	
Billing Address: 18010 Arrigone Way			
City: Linden	State: CA	Zip: 95236	Phone Number: 209-993-6699

III. Waste Stream Information

Name of Waste: Petroleum-contaminated soil (gasoline ~5 ppm, see attached lab report
Process Generating Waste: Underground storage tank removal (always contained gasoline)
Type of Waste ☐ INDUSTRIAL PROCESS WASTE or ☒ POLLUTION CONTROL WASTE
Physical State: ☒ SOLID ☐ SEMI-SOLID ☐ POWDER ☐ LIQUID ☐ OTHER: ____
Method of Shipment: ☒ BULK ☐ DRUM ☐ BAGGED ☐ OTHER: ____
Estimated Annual Volume: ☐ CUBIC YARDS: ____ ☒ TONS: 15 ☐ GALLONS ____ ☐ OTHER: ____
Frequency: ☒ ONE TIME ☐ DAILY ☐ WEEKLY ☐ MONTHLY ☐ OTHER:
Special Handling Instructions: none

IV. Representative Sample Certification

Is the representative sample collected to prepare this profile and laboratory analysis, collected in accordance with U.S. EPA 40 CFR 261.20(c) guidelines or equivalent rules?	☒ YES or ☐ NO
Sample Date: 1/7/03	Type of Sample: ☒ COMPOSITE SAMPLE ☐ GRAB SAMPLE
Laboratory: Curtis & Tompkins, Ltd.	Sample ID Numbers: "Stockpile Composite"
Sampler's Employer: Stellar Environmental Solutions	
Sampler's Name (printed): Bruce M. Rucker	Signature: Bruce M. Rucker

ALLIED WAUSTE

GENERATOR WASTE PROFILE SHEET (continued)

Waste Profile #

V. Physical Characteristics of Waste

Characteristic Components	% by Weight (range)
1. Soil	100%
2.	
3.	
4.	
5.	

Color	Odor (describe)	Free Liquids ☐ YES or ☒ NO	% Solids	pH:	Flash Point	Phenol
brown	none	Content ____ %	100	6-8	>140 °F	0ppm

Attach Laboratory Analytical Report (and/or Material Safety Data Sheet) Including Required Parameters Provided for this Profile

Does this waste or generating process contain regulated concentrations of the following Pesticides and/or Herbicides: Chlordane, Endrin, Heptachlor (and it epoxides), Lindane, Methoxychlor, Toxaphene, 2,4-D, or 2,4,5-TP Silvex as defined in 40 CFR 261.33?	☐ Yes or ☒ No
Does this waste or generating process cause it to exceed OSHA exposure limits from high levels of Hydrogen Sulfide or Hydrogen Cyanide as defined in 40 CFR 261.23?	☐ Yes or ☒ No
Does this waste contain regulated concentrations of Polychlorinated Biphenyls (PCBs) as defined in 40 CFR Part 761?	☐ Yes or ☒ No
Does this waste contain regulated concentrations of listed hazardous wastes defined in 40 CFR 261.31, 261.32, 261.33, including RCRA F-Listed Solvents?	☐ Yes or ☒ No
Does this waste contain regulated concentrations of 2,3,7,8-Tetrachlorodibenzodioxin (2,3,7,8-TCCD), or any other dioxin as defined in 40 CFR 261.31?	☐ Yes or ☒ No
Is this a regulated Toxic Material as defined by Federal and/or State regulations?	☐ Yes or ☒ No
Is this a regulated Radioactive Waste as defined by Federal and/or State regulations?	☐ Yes or ☒ No
Is this a regulated Medical or Infectious Waste as defined by Federal and/or State regulations?	☐ Yes or ☒ No
Is this waste generated at a Federal Superfund Clean Up Site?	☐ Yes or ☒ No

VI. Generator Certification

I hereby certify that to the best of my knowledge and belief, the information contained herein is a true, complete and accurate description of the waste material being offered for disposal and all known or suspected hazards have been disclosed. All Analytical Results/Material Safety Data Sheets submitted are truthful and complete and are representative of the waste. I further certify that by utilizing this profile, neither myself nor any other employee of the company will deliver for disposal or attempt to deliver for disposal any waste which is classified as toxic waste, hazardous waste or infectious waste, or any other waste material this facility is prohibited from accepting by law. I shall immediately give written notice of any change or condition pertaining to the waste not provided herein. Our company hereby agrees to fully indemnify this disposal facility against any damages resulting from this certification being inaccurate or untrue. I further certify that the company has not altered the form or content of this profile sheet as provided by Allied Waste Industries, Inc. The undersigned individual warrants that he/she is authorized to sign this document on behalf of the Generator.

Mike Benner - Property Owner
Authorized Representative Name And Title (Printed)

Benner Automotive Repair
Company Name

Authorized Representative Signature

1/8/03
Date

VII. Allied Waste Decision

Approved Rejected Expiration: _____

Conditions:

Name, Title | Signature | Date

☒ Keller Canyon Sanitary Landfill
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ Ox Mountain Sanitary Landfill
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 725-9183

☐ Newby Island Sanitary Landfill
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ Forward Landfill
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

Speelman Excavation

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: Benner Auto Repair

MAILING ADDRESS: 488 25th Street

CITY, STATE, ZIP: Oakland CA 94612

PHONE: 510-832-1244

CONTACT PERSON: Mike Benner

SIGNATURE OF AUTHORIZED AGENT / TITLE: * Michael J. Benner | DATE: 1/9/03

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or Title 22 of the California code of regulations, 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.

WASTE TYPE: soil

- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☒ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: Benner Auto Repair - Oakland CA

WASTE ACCEPTANCE NO.

SWIC- 05190

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT ☐ TY-VEK ☐ OTHER None

SPECIAL HANDLING PROCEDURES: None

RECEIVING FACILITY

TRANSPORTER: MANLEY & SONS TRUCKING

ADDRESS: 8896 ELDER CREEK RD

CITY, STATE, ZIP: SACRAMENTO, CA 95828

PHONE: 916 381-6864

SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * | DATE: 01-09-03

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
SP92601	530

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

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

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: * | DATE: 01-09-03

CUBIC YARDS: 20

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☒ SOIL Cont.	X	
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

KELLER CANYON LANDFILL
901 BAILEY ROAD
PITTSBURG, CA

004432
SPEELMAN EXCAVATION
18010 ARRIGONE WAY

LINDEN, CA 95236
Contract: #5190

SITE	TICKET	GRID
01	093384	

WEIGHMASTER: FELIPE

DATE IN	TIME IN
14 January 2003	6:46 am
DATE OUT	TIME OUT

VEHICLE	ROLL OFF
MST530	

REFERENCE	ORIGIN
20214	OAKLAND

Gross Weight 79,280.00 LB
Tare Weight 34,800.00 LB
Net Weight 44,480.00 LB 22.24 TN

Inbound - SCALE TICKET

QTY	UNIT	PRODUCT CODE	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
22.24	TN	56	VOC CONT LESS THEN 50				

NET AMOUNT	
TENDERED	
CHANGE	
CHECK NO.	

SIGNATURE _____

Jan-29-2003 2:53PM

Brennen Auto Repair

Swic # 5190

Cont. Soil

4432

SITE	TICKET	GRID
	WEIGHMASTER	
DATE IN 01-09-03		TIME IN 3:00 pm
DATE OUT		TIME OUT
VEHICLE MST 530		ROLL OFF
REFERENCE 20214	ORIGIN Oakland	

Manley & Sons Trucking

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
		Gross - 79280				
		Tare - 34800				
		Net - 44480				

22.24 tons

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

SIGNATURE

No-3568 P. 4/4

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

A N A L Y T I C A L R E P O R T

Prepared for:

Stellar Environmental Solutions
2198 6th Street
Suite 201
Berkeley, CA 94710

Date: 09-JAN-03
Lab Job Number: 162948
Project ID: N/A
Location: Benner Auto Repair

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by: _____
Project Manager

Reviewed by: _____
Operations Manager

162448

Chain of Custody Record

Lab job no. _____
Date _____
Page _____ of _____

Laboratory: Curtis & Tompkins, Ltd.
Address: 2323 Fifth St.
Berkeley CA
510 486-0900
Project Owner: Bonner Auto Repair
Site Address: 488 25th Street
Oakland CA
Project Name: Bonner Auto
Project Number: _____

Method of Shipment: hand delivery
Shipment No.: —
Airbill No.: —
Cooler No.: —
Project Manager: Bruce Rucker
Telephone No.: (510) 644-3123
Fax No.: (510) 644-3859
Samplers: (Signature) B.M. Rucker

Field Sample Number	Location/ Depth	Date	Time	Sample Type	Type/Size of Container	Preservation: Cooler	Preservation: Chemical	Filtered	No. of Containers	TVH Gas	BTEX + MTBE	Total Lead	Remarks
UST Base - West	9'	1/7/03	1200	Soil	4oz glass	✓			1	X	X	X	24 hr TAT
UST Base - East	9'	↓	1205	↓	↓	✓			1	X	X	X	
Stockpile Comp.	—	↓	1210	↓	↓	✓			1	X	X	X	

Analysis Required

Relinquished by:	Date	Received by:	Date	Relinquished by:	Date	Received by:	Date
Signature: B.M. Rucker	1/7/03	Signature:	1/8/03	Signature:		Signature:	
Printed: Bruce Rucker	Time	Printed: Tracy Babjar	Time	Printed:	Time	Printed:	Time
Company: Stellar Env. Solutions	1310	Company: Curtis & Tompkins Ltd.	13:10	Company:		Company:	

Turnaround Time: _____
Comments: _____

Received ☑ On Ice ☐ Cold ☐ Ambient ☐ Intact

Relinquished by: Signature _____ Printed _____ Company _____ Date _____ Time _____

Preservation Correct? ☐ Yes ☐ No ☐ N/A

Received by: Signature _____ Printed _____ Company _____ Date _____ Time _____

2000-00-01

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	162948	Location:	Benner Auto Repair
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	8015B(M)
Matrix:	Soil	Batch#:	78161
Units:	mg/Kg	Sampled:	01/07/03
Basis:	as received	Received:	01/07/03

Field ID: UST BASE-WEST
Type: SAMPLE
Lab ID: 162948-001
Diln Fac: 1.000
Analyzed: 01/08/03

Analyte	Result	RL
Gasoline C7-C12	ND	1.1

Surrogate	%REC	Limits
Trifluorotoluene (FID)	78	58-144
Bromofluorobenzene (FID)	88	60-146

Field ID: UST BASE-EAST
Type: SAMPLE
Lab ID: 162948-002
Diln Fac: 100.0
Analyzed: 01/08/03

Analyte	Result	RL
Gasoline C7-C12	2,500	100

Surrogate	%REC	Limits
Trifluorotoluene (FID)	127	58-144
Bromofluorobenzene (FID)	126	60-146

Field ID: STOCKPILE COMP.
Type: SAMPLE
Lab ID: 162948-003
Diln Fac: 1.000
Analyzed: 01/08/03

Analyte	Result	RL
Gasoline C7-C12	5.0	0.99

Surrogate	%REC	Limits
Trifluorotoluene (FID)	84	58-144
Bromofluorobenzene (FID)	98	60-146

Type: BLANK
Lab ID: QC200907
Diln Fac: 1.000
Analyzed: 01/07/03

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

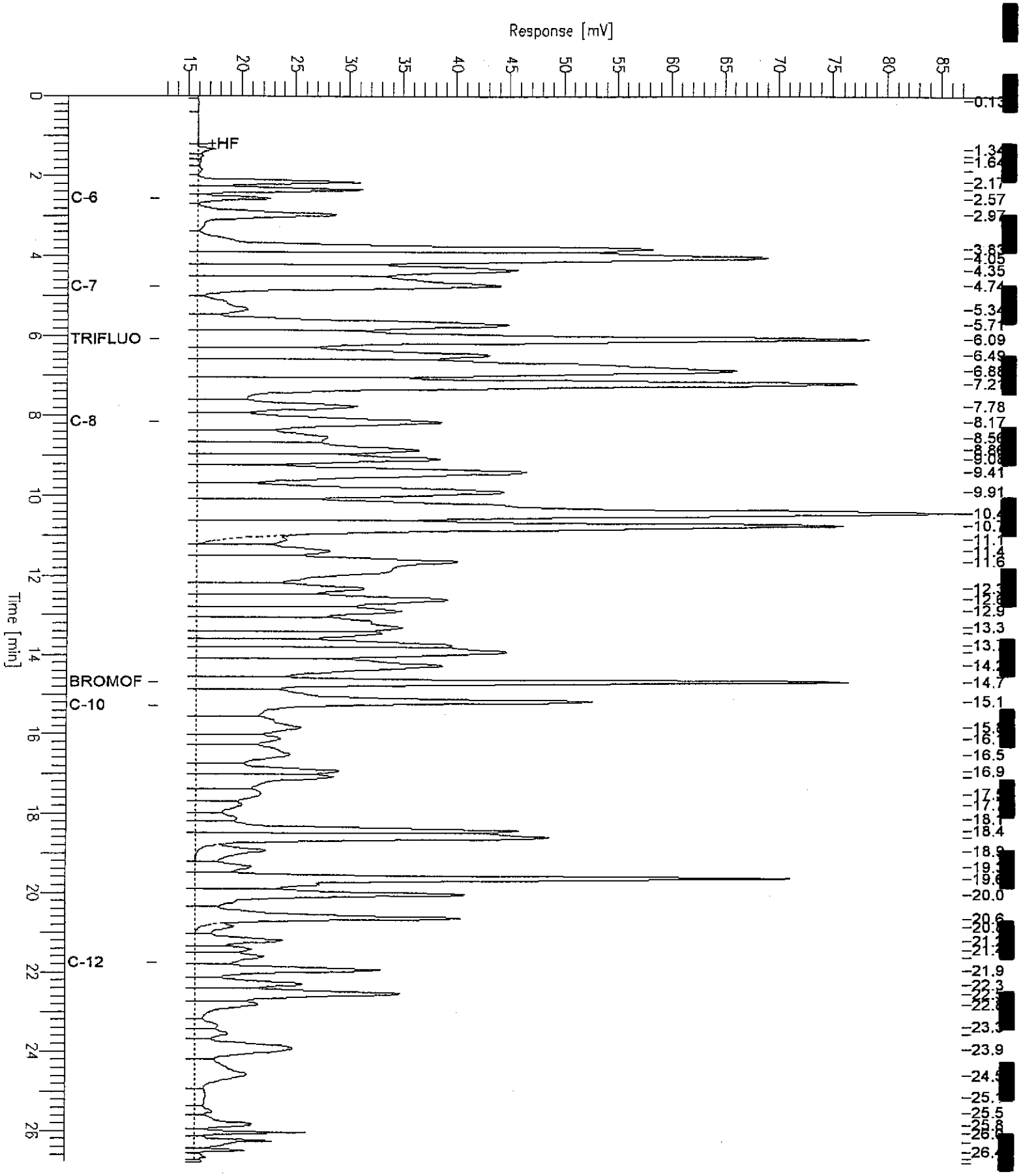
Surrogate	%REC	Limits
Trifluorotoluene (FID)	77	58-144
Bromofluorobenzene (FID)	86	60-146

ND= Not Detected
RL= Reporting Limit

GC19 TVH 'X' Data File (FID)

Sample Name : 162948-002,78161
FileName : G:\GC19\DATA\007X042.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.80 min
Scale Factor: 1.0 Plot Offset: 12 mV

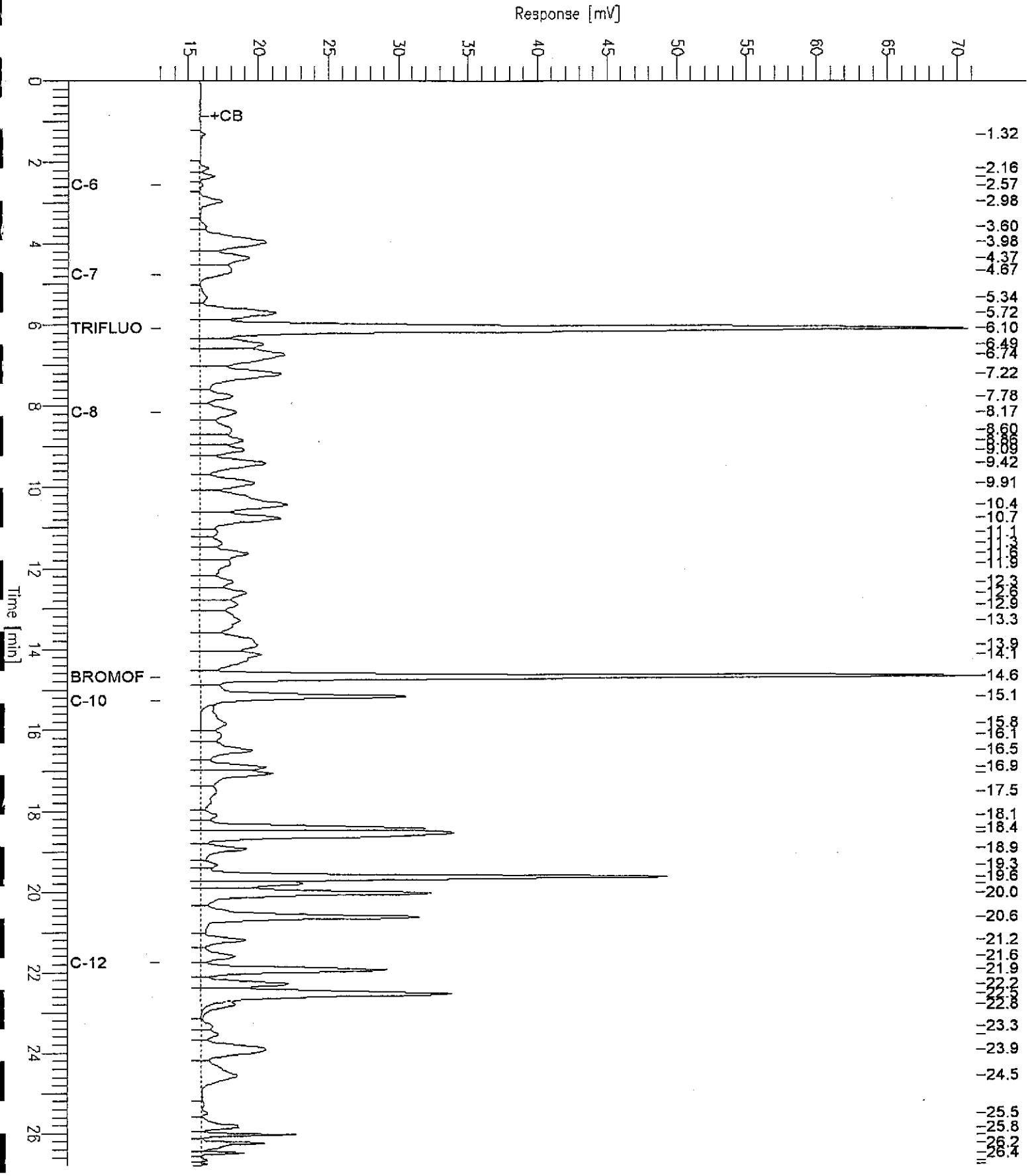
Sample #: a Page 1 of 1
Date : 1/8/03 09:34 AM
Time of Injection: 1/8/03 08:29 AM
Low Point : 12.27 mV High Point : 87.09 mV
Plot Scale: 74.8 mV



GC19 TVH 'X' Data File (FID)

Sample Name : 162948-003,78161
FileName : g:\gc19\data\007x039.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.80 min
Scale Factor: 1.0 Plot Offset: 13 mV

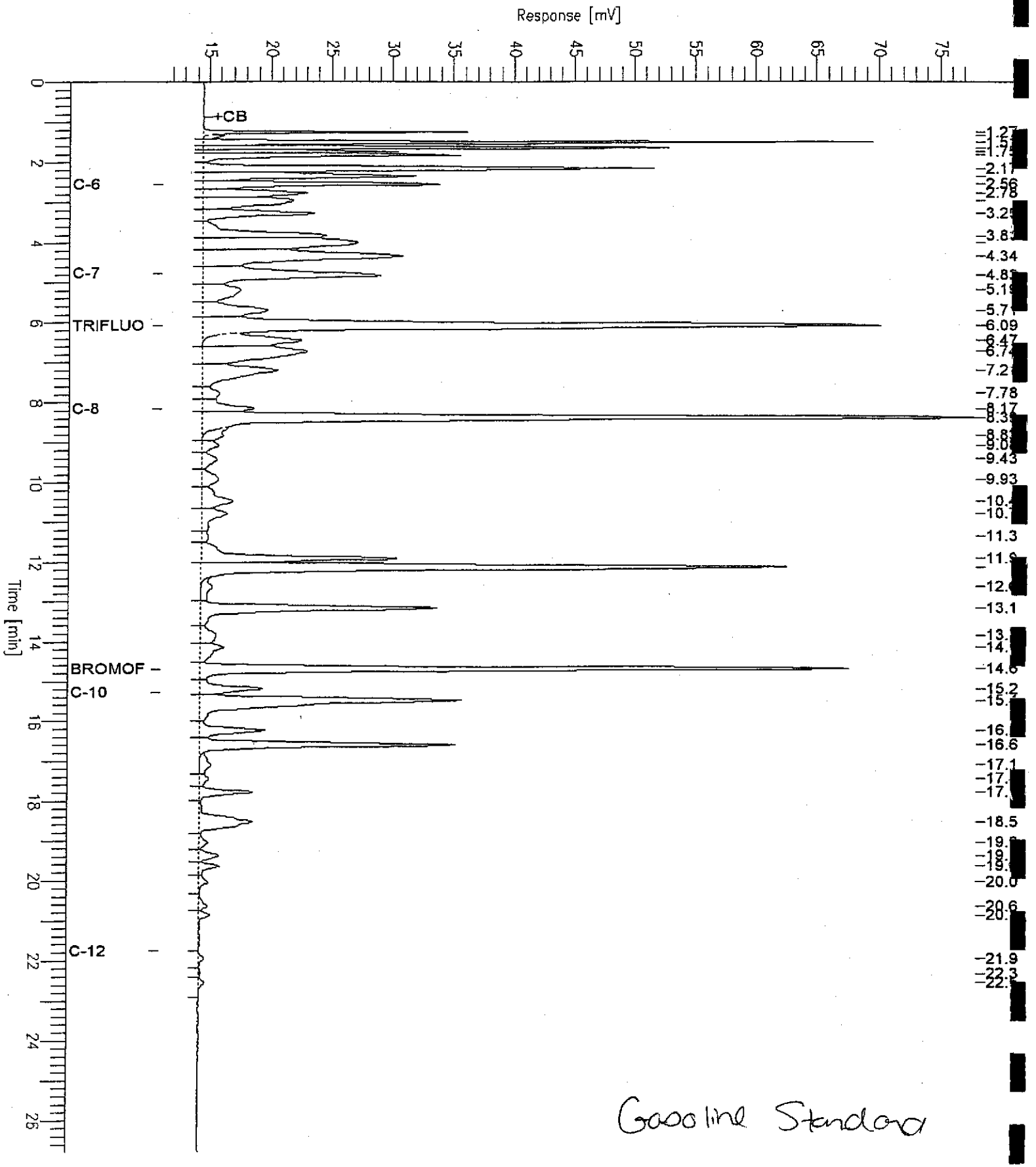
Sample #: a Page 1 of 1
Date : 1/8/03 08:11 AM
Time of Injection: 1/8/03 06:08 AM
Low Point : 12.98 mV High Point : 71.37 mV
Plot Scale: 58.4 mV



GC19 TVH 'X' Data File (FID)

Sample Name : ccv/bs,qc200908,78161,02ws2132,2.5/5000
FileName : g:\gc19\data\007x004.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.80 min
Scale Factor: 1.0 Plot Offset: 11 mV

Sample #: Page 1 of 1
Date : 1/7/03 02:50 PM
Time of Injection: 1/7/03 10:26 AM
Low Point : 11.11 mV High Point : 77.85 mV
Plot Scale: 66.7 mV



Gasoline Standard

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	162948	Location:	Benner Auto Repair
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	8015B(M)
Matrix:	Soil	Diln Fac:	1.000
Units:	mg/Kg	Batch#:	78161
Basis:	as received	Analyzed:	01/07/03

Type: BS Lab ID: QC200908

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	5.000	5.520	110	78-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	88	58-144
Bromofluorobenzene (FID)	95	60-146

Type: BSD Lab ID: QC200943

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	10.00	11.15	111	78-120	1	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	94	58-144
Bromofluorobenzene (FID)	96	60-146

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Purgeable Aromatics by GC/MS

Lab #:	162948	Location:	Benner Auto Repair
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	UST BASE-WEST	Diln Fac:	1.064
Lab ID:	162948-001	Batch#:	78211
Matrix:	Soil	Sampled:	01/07/03
Units:	ug/Kg	Received:	01/07/03
Basis:	as received	Analyzed:	01/08/03

Analyte	Result	RL
MTBE	ND	5.3
Benzene	ND	5.3
Toluene	ND	5.3
Ethylbenzene	ND	5.3
m,p-Xylenes	ND	5.3
o-Xylene	ND	5.3

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	94	75-128
Toluene-d8	98	80-120
Bromofluorobenzene	100	75-127

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Aromatics by GC/MS

Lab #:	162948	Location:	Benner Auto Repair
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	UST BASE-EAST	Diln Fac:	333.3
Lab ID:	162948-002	Batch#:	78217
Matrix:	Soil	Sampled:	01/07/03
Units:	ug/Kg	Received:	01/07/03
Basis:	as received	Analyzed:	01/08/03

Analyte	Result	RL
MTBE	ND	1,700
Benzene	ND	1,700
Toluene	ND	1,700
Ethylbenzene	ND	1,700
m,p-Xylenes	ND	1,700
o-Xylene	ND	1,700

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	97	75-128
Toluene-d8	97	80-120
Bromofluorobenzene	97	75-127

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Aromatics by GC/MS

Lab #:	162948	Location:	Benner Auto Repair
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	STOCKPILE COMP.	Diln Fac:	1.000
Lab ID:	162948-003	Batch#:	78211
Matrix:	Soil	Sampled:	01/07/03
Units:	ug/Kg	Received:	01/07/03
Basis:	as received	Analyzed:	01/08/03

Analyte	Result	RL
MTBE	ND	5.0
Benzene	ND	5.0
Toluene	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	103	75-128
Toluene-d8	100	80-120
Bromofluorobenzene	101	75-127

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Aromatics by GC/MS

Lab #:	162948	Location:	Benner Auto Repair
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC201108	Diln Fac:	1.000
Matrix:	Soil	Batch#:	78211
Units:	ug/Kg	Analyzed:	01/08/03

Analyte	Result	RL
MTBE	ND	5.0
Benzene	ND	5.0
Toluene	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	110	75-128
Toluene-d8	97	80-120
Bromofluorobenzene	103	75-127

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Aromatics by GC/MS

Lab #:	162948	Location:	Benner Auto Repair
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC201126	Batch#:	78217
Matrix:	Water	Analyzed:	01/08/03
Units:	ug/L		

Analyte	Result	RL
MTBE	ND	5.0
Benzene	ND	5.0
Toluene	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	97	75-128
Toluene-d8	99	80-120
Bromofluorobenzene	103	75-127

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Aromatics by GC/MS

Lab #:	162948	Location:	Benner Auto Repair
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC201213	Diln Fac:	1.000
Matrix:	Soil	Batch#:	78211
Units:	ug/Kg	Analyzed:	01/08/03

Analyte	Result	RL
MTBE	ND	5.0
Benzene	ND	5.0
Toluene	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	98	75-128
Toluene-d8	97	80-120
Bromofluorobenzene	97	75-127

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Aromatics by GC/MS

Lab #:	162948	Location:	Benner Auto Repair
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	LCS	Basis:	as received
Lab ID:	QC201107	Diln Fac:	1.000
Matrix:	Soil	Batch#:	78211
Units:	ug/Kg	Analyzed:	01/08/03

Analyte	Spiked	Result	%REC	Limits
Benzene	50.00	50.64	101	77-120
Toluene	50.00	53.14	106	80-120

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	98	75-128
Toluene-d8	99	80-120
Bromofluorobenzene	97	75-127

8.2

Curtis & Tompkins, Ltd.

Purgeable Aromatics by GC/MS

Lab #:	162948	Location:	Benner Auto Repair
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	78217
Units:	ug/L	Analyzed:	01/08/03
Diln Fac:	1.000		

Type: BS Lab ID: QC201124

Analyte	Spiked	Result	%REC	Limits
Benzene	50.00	53.92	108	77-120
Toluene	50.00	54.14	108	80-120

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	92	75-128
Toluene-d8	99	80-120
Bromofluorobenzene	98	75-127

Type: BSD Lab ID: QC201125

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Benzene	50.00	49.17	98	77-120	9	20
Toluene	50.00	51.19	102	80-120	6	20

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	91	75-128
Toluene-d8	96	80-120
Bromofluorobenzene	97	75-127

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Purgeable Aromatics by GC/MS

Lab #:	162948	Location:	Benner Auto Repair
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	UST BASE-WEST	Diln Fac:	1.020
MSS Lab ID:	162948-001	Batch#:	78211
Matrix:	Soil	Sampled:	01/07/03
Units:	ug/Kg	Received:	01/07/03
Basis:	as received	Analyzed:	01/09/03

Type: MS Lab ID: QC201109

Analyte	MSS Result	Spiked	Result	%REC	Limits
Benzene	<0.2800	51.02	43.49	85	55-125
Toluene	<0.4800	51.02	43.97	86	48-131

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	99	75-128
Toluene-d8	100	80-120
Bromofluorobenzene	99	75-127

Type: MSD Lab ID: QC201110

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Benzene	51.02	31.89	63	55-125	31 *	20
Toluene	51.02	32.51	64	48-131	30 *	20

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	96	75-128
Toluene-d8	98	80-120
Bromofluorobenzene	102	75-127

*= Value outside of QC limits; see narrative
RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Lead

Lab #:	162948	Location:	Benner Auto Repair
Client:	Stellar Environmental Solutions	Prep:	EPA 3050
Project#:	STANDARD	Analysis:	EPA 6010B
Analyte:	Lead	Batch#:	78190
Matrix:	Soil	Sampled:	01/07/03
Units:	mg/Kg	Received:	01/07/03
Basis:	as received	Prepared:	01/07/03
Diln Fac:	1.000	Analyzed:	01/08/03

Field ID	Type	Lab ID	Result	RL
UST BASE-WEST	SAMPLE	162948-001	9.1	0.14
UST BASE-EAST	SAMPLE	162948-002	29	0.15
STOCKPILE COMP.	SAMPLE	162948-003	9.1	0.14
	BLANK	QC201016	ND	0.15

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Lead

Lab #:	162948	Location:	Benner Auto Repair
Client:	Stellar Environmental Solutions	Prep:	EPA 3050
Project#:	STANDARD	Analysis:	EPA 6010B
Analyte:	Lead	Diln Fac:	1.000
Matrix:	Soil	Batch#:	78190
Units:	mg/Kg	Prepared:	01/07/03
Basis:	as received	Analyzed:	01/08/03

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC201017	100.0	91.00	91	70-120		
BSD	QC201018	100.0	93.00	93	70-120	2	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Lead

Lab #:	162948	Location:	Benner Auto Repair
Client:	Stellar Environmental Solutions	Prep:	EPA 3050
Project#:	STANDARD	Analysis:	EPA 6010B
Analyte:	Lead	Diln Fac:	1.000
Field ID:	UST BASE-WEST	Batch#:	78190
MSS Lab ID:	162948-001	Sampled:	01/07/03
Matrix:	Soil	Received:	01/07/03
Units:	mg/Kg	Prepared:	01/07/03
Basis:	as received	Analyzed:	01/08/03

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
MS	QC201019	9.082	99.01	94.06	86	46-128		
MSD	QC201020		83.68	82.85	88	46-128	3	39

RPD= Relative Percent Difference

Dutra Materials
1000 Point San Pedro Road
San Rafael, California 94901

Date: 1/10/03
Plant: Dutra Materials, Hayward
To: Stellar Environmental Solutions
Attn: Bruce Rucker

Job Name: Benner Auto Repair 488 25th St., Oakland
Job Number:
Fax Number: (510) 644-3859

To Whom It May Concern:

This letter is to certify that the **3/4" Class 2 Recycled Aggregate Base** material supplied to the above referenced project will meet all specifications of Section 26 of the 1995 Caltrans Standard Specifications. As required by Section 26-1.02A the material will be free from organic matter and other deleterious substances. Aggregates are 100% recycled material.

Following is a representative gradation of the material:

Sieve Size	Percent Passing	Operating Range(CT Sec. 26)
1"(25 mm)	100	100
3/4"(19 mm)	97	90-100
1/2"(12.5 mm)	81	
3/8"(9.5 mm)	69	
No. 4(4.75 mm)	46	35-60
No. 8(2.36 mm)	32	
No. 30(600 um)	19	10-30
No. 200(75 um)	5	2-9
Sand Equivalent (CTM 217)	47	25 min.
Durability (CTM 229)	45	35 min.
R-Value (CTM 301)	81	78 min.

Please call me at (415) 459-7740 if you need any additional information.

Respectfully,

James Rankin
Quality Control Manager
Dutra Materials

BRUCE 1 PAGE COVER

510-644-3859

CMT, INC.
DAILY FIELD REPORT

JOB NO. or P.O. NO. 97324

PAGE ONE OF ONE

PROJECT NAME: 488 25TH Street	CLIENT OR OWNER: SPEELMAN EXCAVATING	DAILY FIELD REPORT SEQUENCE NO.: ONE (1)	
GENERAL LOCATION OF WORK: OAKLAND CA	OWNER OR CLIENT'S REPRESENTATIVE: HOWARD SPEELMAN	DATE: 1-9-02	DAY OF WEEK: THURS
GENERAL CONTRACTOR	GRADING CONTRACTOR	PROJECT ENGINEER: BRUCE RUCKER/STELLAR SOLUTIONS	
TYPE OF WORK: T&O	CONTRACTOR'S SUPERINTENDENT OR FOREMAN	SUPERVISOR	
SOURCE AND DESCRIPTION OF FILL MATERIAL (IMPORT OR SITE): DUTRA HAYWARD CLASS II RECYCLE		WEATHER: COOL DAMP	TECHNICIAN: MARK HOPKINS

DESCRIBE EQUIPMENT USED FOR HAULING, SPREADING, WATERING, CONDITIONING, AND COMPACTING:
DEER 710D BACK HOE, JUMPJACK WACKER, WATER HOSE

TEST NUMBER	TEST LOCATION: J.L. BENNER AUTO REPAIR FUEL TANK REMOVAL	ELEV (feet): AB	FIELD TESTING: DRY DENSITY lbs/cu. ft.	FIELD TESTING: MOISTURE CONTENT %	FIELD TESTING: % OF MAXIMUM DRY DENSITY	REFERENCE CURVE: COMP CURVE NO.	REFERENCE CURVE: MAXIMUM DRY DENSITY lbs/cu. ft.	REFERENCE CURVE: OPTIMUM MOISURE CONTENT %	COMMENTS: 95% +
1	CENTER of PIT	-4	116.9	16-	95	(1)	122.9	11.0	PASS
2	"	-3	117.5	14.1	96				PASS
3	"	-2	117.9	13.9	96				PASS
4	"	-1	118-	12.5	96				PASS

NOTES (Describe work completed during the day, any problems and their solutions)

REQUESTED TO BE ON SITE TO PROVIDE TESTING AND OBSERVATION SERVICES. I ARRIVED ON SITE TO OBSERVE A SUB-EXCAVATED PIT 4' DEEP 6' WIDE BY 12' IN LENGTH. I WAS INFORMED IT WAS WHERE AN OLD FUEL TANK HAD BEEN RECENTLY REMOVED. THE LOCATION WAS IN SIDEWALK AREA IN FRONT of 488 25TH ST OAKLAND. I OBSERVED PLACEMENT OF AB, MOISTURE CONDITIONING BY ON SITE WATER HOSE AND COMPACTION BY WACKER. NUMEROUS NUCLEAR COMPACTION AND MOISTURE TESTS WERE TAKEN WITH GOOD RESULTS. I OBSERVED REMOVAL OF MUD CLUMPS FROM FILL. I ADVISED HOWARD of TEST RESULTS AS WORK CONTINUED. FINAL LIFT OBSERVED WAS 6" or LESS COMPACTED. PER HOWARD THIS MIGHT BE TRIMMED AS NEED before CONCRETE POUR. COPY OF THIS DAILY FAXED TO STELLAR ENVIRONMENTAL SOLUTION AND TO SPEELMAN EXCAVATION.

TIME BILLED HRS. NO. OF VISITS TYPED REPORT ☐ YES ☐ NO CONTINUED ☐

RECEIVED BY COPY GIVEN TO

CMT-1