File No. 7-92-514-SA

WORK PLAN FOR PROPOSED ADDITIONAL SITE ASSESSMENT FOR THE PROPERTY LOCATED AT 3609 EAST 14TH STREET OAKLAND, CALIFORNIA

MAY 25, 1995

PREPARED FOR:

MR. ABOLGHASSEM RAZI

TONY'S EXPRESS AUTO SERVICES

3609 EAST 14TH STREET

OAKLAND, CALIFORNIA 94601

BY:

SOIL TECH ENGINEERING, INC.

298 BROKAW ROAD

SANTA CLARA, CALIFORNIA 95050

SOIL TECH ENGINEERING, INC.

File No. 7-92-514-SA

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SOIL TECH ENGINEERING
Soil, Foundation and Geological Engineers
298 BROKAW ROAD, SANTA CLARA, CA 95050 ■ (408) 496-0265 OR (408) 496-0266

May 25, 1995

File No. 7-92-514-SA

Mr. Abolghassem Razi
Tony's Express Auto Services
3609 East 14th Street
Oakland, California 94601

SUBJECT: WORK PLAN FOR PROPOSED ADDITIONAL SITE ASSESSMENT FOR THE PROPERTY Located at 3609 East 14th Street, in Oakland, California

Dear Mr. Razi:

Enclosed is the work plan for a proposed additional soil and groundwater investigation to assess the extent of soil and groundwater contamination for the above referenced project. The work plan includes a vapor extraction pilot test to determine the feasibility of this approach to remediate hydrocarbon impacted soils at the property. The work plan has been prepared in accordance with Alameda County Health Care Services Agency (ACHCSA) and Regional Water Quality Control Board (RWQCB) guidelines.

In addition, copies of freight bills for transporting treated soil to Redwood Landfill in Novato are appended to the work plan. Verbal acceptance of the treated soil by the landfill was given to

our letter of request dated August 9, 1993. A copy of the letter is included in our "Interim Corrective Action and Preliminary Soil and Groundwater Investigation" report dated November 8, 1993 and is appended to this report.

The scope of this work plan includes: 1) installation of additional monitoring wells and soil borings, 2) performance of a vapor extraction pilot test and 3) quarterly monitoring and sampling.

If you have any questions or require additional information, please feel free to contact our office at your convenience.

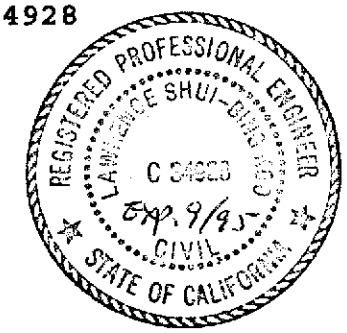
Sincerely,

SOIL TECH ENGINEERING, INC.

Robert Baker

ROBERT BAKER
PROJECT GEOLOGIST

LAWRENCE KOO, P. E.
C. E. #34928



FRANK HAMEDI-FARD
GENERAL MANAGER

File No. 7-92-514-SA

WORK PLAN FOR ADDITIONAL SITE ASSESSMENT FOR THE PROPERTY LOCATED AT 3609 EAST 14TH STREET OAKLAND, CALIFORNIA MAY 25, 1995

INTRODUCTION:

Soil Tech Engineering, Inc. (STE) has been retained to prepare this work plan for additional site assessment to define and evaluate the vertical and lateral extent of petroleum hydrocarbon contamination detected beneath the former underground tank complex and fuel product lines at 3609 East 14th Street, in Oakland, California (Figure 1). This plan has been prepared to comply with Regional Water Quality Control Board (RWQCB) and the Alameda County Health Care Services Agency (ACHCSA) requirements for underground fuel leaks, and to assess the impact of dissolved hydrocarbons at the subject site. All proposed additional site assessment work will be performed in accordance with State and Local guidelines and STE's Standard Operating Procedures (SOP) included in Appendix "B". A brief summary of the previous investigation is presented below, followed by a description of the proposed tasks required to complete the site assessment and comply with the regulatory agencies' requirements.

GENERAL SITE DESCRIPTION:

The site is located at the intersection of 36th Avenue and East 14th Street, in Oakland, California (Figure 1). The site is relatively flat, and the surrounding properties are primary commercial businesses and residential housing. Figure 2 shows the locations of the building on-site, the existing underground fuel storage tanks and the dispener islands.

SITE HISTORY AND PREVIOUS INVESTIGATIONS:

The subject site is a gasoline service station. On July 18, 1992, Soil Tech Engineering, Inc. (STE) conducted a limited subsurface investigation to determine if soil near the product lines and underground storage tanks at the site had been contaminated with petroleum hydrocarbons. Six borings were drilled, and one soil sample was collected from each boring from depths of 5 to 15 feet below grade. The samples were analyzed for Total Petroleum Hydrocarbons as gasoline (TPHg), and Benzene, Toluene, Ethylbenzene and Total Xylenes (BTEX). Laboratory results indicated that the samples contained from TPHg ranging from 20 to 460 milligrams per kilogram (mg/Kg) TPHg and low levels of BTEX. These results were presented in our preliminary subsurface (soil) investigation dated August 3, 1992.

On July 1, 1993, a 10,000 gallon and a 6,000 gallon underground gasoline storage tank and a 550 gallon underground waste oil

storage tank were removed from the site and properly disposed. STE was retained to conduct soil sampling in the excavations created by the removal of the tanks and the associated piping. All soil sampling was conducted under the supervision of Mr. Barney Chan of ACHCSA. Three new underground gasoline storage tanks were installed at the site in July and August 1993.

The soil samples from the tank areas were taken at approximately 12 feet below grade, waste oil soil samples were taken at approximately 7 feet below grade and the piping area samples ranged from 2 to 5 feet below grade. The soil analyses from the tank excavation detected low to moderate levels of Total Petroleum Hydrocarbons as gasoline (TPHg) and ranged from 2.1 to a maximum of 640 mg/Kg. Soil samples from the old piping areas showed elevated TPHg ranging from 75 to a maximum of 4,100 mg/Kg. No hydrocarbons nor Volatile Organic Compounds (VOC's) were detected in the waste oil tank excavation area. The details of the soil sampling event are described in STE's report entitled "Soil Sampling Below Removed Underground Tanks at Tony's Express Station...", dated July 27, 1993.

Due to the elevated TPHg, Alameda County Health Department requested a work plan for subsurface investigation in a letter, dated August 6, 1993. STE prepared a preliminary site assessment work plan, dated August 5, 1993. The work plan was submitted to the Alameda County Health Department for approval. The county approved the work plan in a letter, dated August 18, 1993.

The objective of the proposed work plan was to assess the extent of dissolved petroleum hydrocarbons beneath the site and to determine whether or not the shallow groundwater beneath the site has been impacted.

In August 1993, STE conducted an interim corrective action and preliminary soil & groundwater investigation by drilling thirteen soil borings and converting three into monitoring wells. Monitoring wells STMW-1, STMW-2 and STMW-3 were drilled in the vicinity of the former underground fuel tanks. Groundwater was first encountered at the depth of 16 feet below grade during drilling operations. STE recommended quarterly monitoring for at least one year to further assess the site as required by Alameda County Health Department.

To allow for future in-situ remediation of difficult to reach impacted soils, four vertical 6-inch diameter soil vapor extraction probes were installed in four soil borings and two horizontal perforated pipes were installed next to the two dispenser islands. These six probes were connected by non-perforated pipes to a vault in front of the northeast corner of the site building.

Analytical results of the preliminary soil and groundwater investigation of the site indicates shallow groundwater has been impacted due to past inadvertent spillage or leaks from the old underground storage tanks that were removed.

The details of the preliminary soil and groundwater investigation are described in STE's report entitled "Interim Corrective Action & Preliminary Soil & Groundwater Investigation for Tony's Express Service Station" dated November 8, 1993.

All impacted soils removed during excavation and the installation of new tanks were bio-remediated on-site. When contaminant levels were acceptably low, a letter of request for disposal was sent to Redwood Landfill in Novato, California. A copy of STE letter to Redwood Landfill requesting the disposal of treated soil along with soil analyses are attached in Appendix "F" with freight bills. Upon verbal acceptance, the soil was hauled to Redwood Landfill in late August and early September 1993.

Two quarterly monitoring events were conducted by STE, one in December 1994 and a second in March 1995. The results of these groundwater sampling events are presented in our reports dated December 8, 1994, and March 10, 1995. The groundwater surface has risen from approximately 15½ feet below grade during our initial sampling in October 1993 to approximately 7½ to 8½ feet below grade during our last quarterly monitoring event in March 1995.

Low to moderate levels of TPHg and BTEX were detected in groundwater during both events. Levels of contaminants were lower in March 1995 than in December 1994. Levels of contaminants in both recent sampling events were significantly lower than the initial sampling in October 1993. Groundwater flow direction has been to the south-southeast during all three sampling events.

The ACHCSA requested a supplemental work plan for the determination of the extent of soil and groundwater contamination be submitted and a vapor extraction pilot test be performed. Their request was made in several letters signed by Mr. Barney Chan, Hazardous Materials Specialist, most recently dated May 4, 1995. This work plan addresses these concerns.

SCOPE OF WORK:

This proposed additional investigation and remediation plans are presented in three separate tasks.

Task 1: Define the lateral extent of dissolved hydrocarbons in soil and groundwater down-gradient and up-gradient from the source area. This phase includes drilling four to six exploratory borings, one on the north side of the property and three to five to the south, east and west of the cashier and shop building. Two or three of the borings will be converted into monitoring wells. The proposed locations of the borings and wells are shown in Figure 2.

Task 2: Initiate an 8 to 16 hour vapor extraction test for in-situ remediation of contaminated soil remaining in place on the property. The intent of this pilot test is to assess the feasibility of the method and design a full scale soil vapor extraction system for the site, if necessary or feasible.

Task 3: Initiate a quarterly schedule of groundwater sampling for all on-site wells for at least one year in order to gather sufficient data for designing a groundwater remediation system if necessary.

The following describes the proposed tasks in details:

TASK 1. DEFINE THE LATERAL AND VERTICAL EXTENT OF DISSOLVED HYDROCARBONS:

STE proposes to drill four to six exploratory borings, one down-gradient of the underground storage tanks and dispenser islands and three to five up-gradient near the perimeters of the property, and convert two or three of the borings into monitoring wells. The methods for drilling, installing wells, and soil & groundwater sampling will be in accordance with the existing regulatory guidelines for fuel leak investigations. The approximate locations of the proposed borings and wells are shown in Figure 2.

The following is the scope of work for Task 1:

- Acquire the necessary drilling permits.
- Conduct four to six exploratory soil borings in accordance with local agencies' guidelines.
- Install two or three groundwater monitoring wells. Vague

need grab GW sples also!

- Develop, sample, and survey all on-site monitoring wells.
- Analyze the soil and groundwater samples for Total Petroleum Hydrocarbons as gasoline (TPHg) and for Benzene, Toluene, Ethylbenzene and Total Xylenes (BTEX).
- Analyze the data and laboratory results.
- Prepare a technical report.

The detail of drilling, soil sampling, well installation, and water sampling procedures are attached in Appendix "B" (SOP).

TASK 2. SOIL REMEDIATION PILOT TEST:

The objective of the proposed soil vapor extraction pilot test is to assess the feasibility of full scale treatment of contaminated soil with a soil vapor extraction system.

A soil vapor extraction pilot test will be conducted for a duration of 8 to 16 hours to determine if soil remediation by vapor extraction is feasible at this site. If the pilot test results indicate that soil remediation is feasible, the four vertical and two horizontal existing probes will be used for in-situ soil vapor extraction. Each probe will be connected to a vacuum blower, and the vacuum unit will pull air through the contaminated soils. The five other probes will be monitored with a vacuum gauge. The

volatile compounds (gasoline) will evaporate into the passing air and the extracted soil vapors will pass into the extraction well and out the vacuum blower. All appropriate regulatory permits will be obtained before proceeding with the test.

A technical report will be prepared for the feasibility of a full scale soil remediation system.

TASK 3. QUARTERLY GROUNDWATER MONITORING:

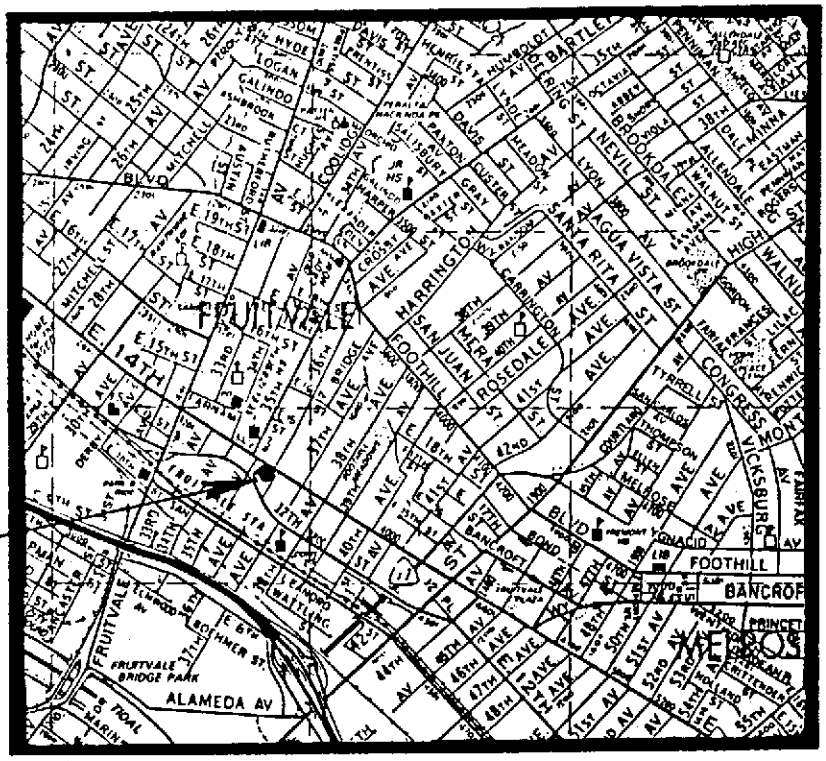
A quarterly groundwater monitoring program is recommended for the subject site. The program will consist of 1) water levels and floating product thickness measurement, if present, each quarter for each monitoring well, 2) collecting quarterly groundwater samples from all wells. For the quarterly sampling event, the groundwater samples will be analyzed for TPH as gasoline using EPA Method 8015 and BTEX using EPA Method 8020/602. A quarterly report will be prepared and submitted to various agencies.

When the data from the additional site assessment and the quarterly groundwater monitoring program has been collected and analyzed, we can begin to design a groundwater remediation system, if necessary.

HEALTH AND SAFETY PLAN:

Per OSHA requirements, a site Health and Safety Plan has been prepared. The main purpose of the plan is to protect the staff

including uninvolved personnel against potential physical and chemical hazards associated with drilling, sampling and field activities. All employees and subcontractors will be required to read and comply with the plan. The site Health and Safety Plan developed for the project is attached in Appendix "D".



Thomas Brothers Map 1993 Edition
San Francisco, Alameda
and Contra Costa Counties

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Figure 1

M1

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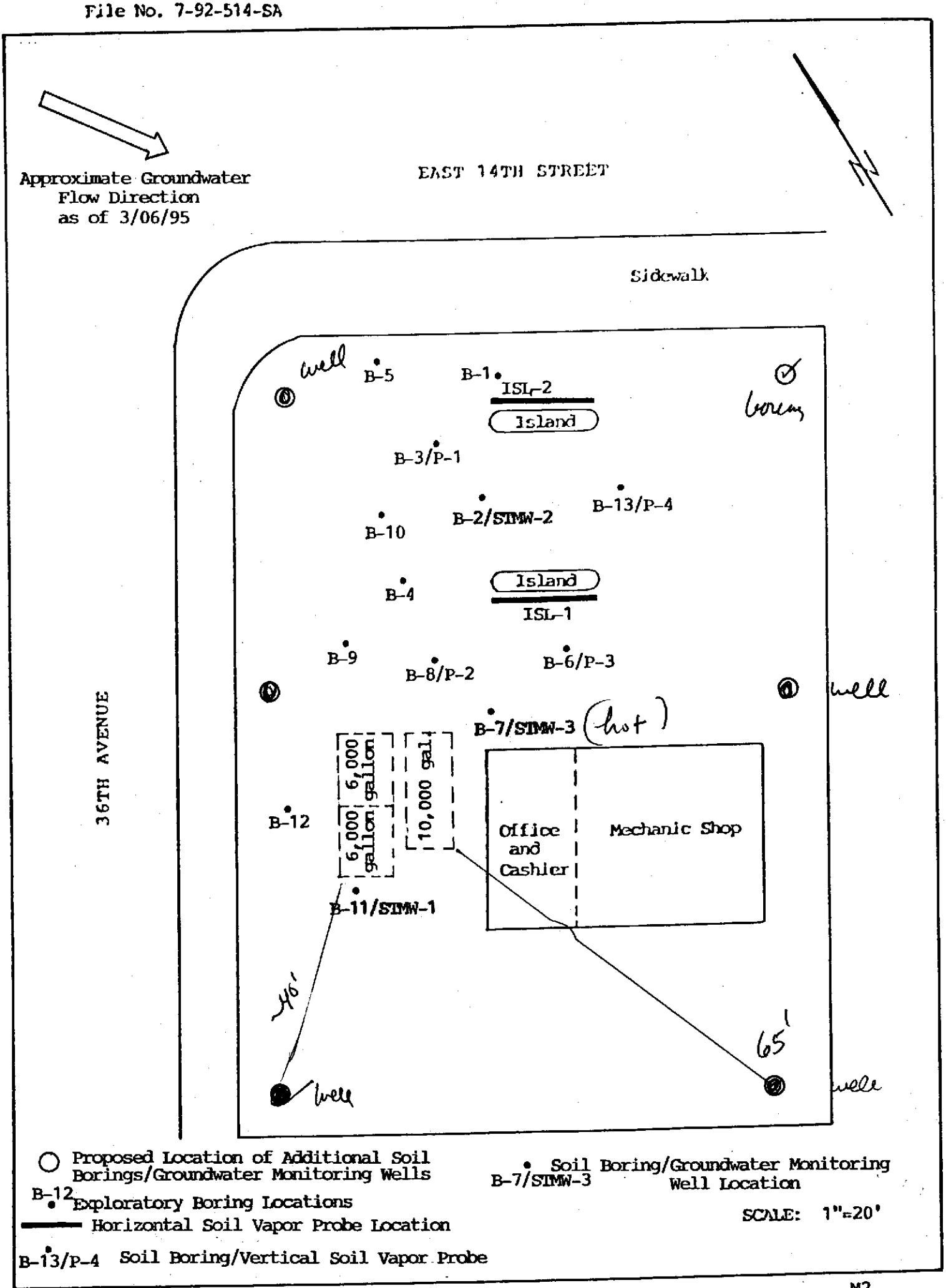

○ Proposed Location of Additional Soil Borings/Groundwater Monitoring Wells

B-12 • Exploratory Boring Locations

Horizontal Soil Vapor Probe Location

B-13/P-4 • Soil Boring/Vertical Soil Vapor Probe

B-7/STMW-3 • Soil Boring/Groundwater Monitoring Well Location

SCALE: 1"=20'

Figure 2

SOIL TECH ENGINEERING, INC.

M2

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DRILLING AND SOIL SAMPLING PROCEDURE

A truck-mounted drill rig, using a continuous, solid-flight, hollow stem auger will be used in drilling soil borings to the desired depths.

Prior to drilling, all drilling equipment (i.e. auger, pin, and drilling head) will be thoroughly steam-cleaned to minimize the possibility of cross-contamination and/or vertical migration of possible contaminants.

In addition, prior to obtaining each individual soil sample, all sampling tools, including the split-spoon sampler and brass liners will be thoroughly washed in a Tri-Sodium Phosphate (TSP) solution followed by a rinse in distilled water.

During the drilling operation, relatively undisturbed soil samples will be taken from the required depth by forcing a 2-inch I.D., split-spoon sampler insert with a brass liner into the ground by means of a 140-lb. hammer, falling 30-inches or by hydraulic forces, at various depths.

The samplers will contain relatively undisturbed soil. In general, the first section of soil from the sampler (shoe) will be used in the field for lithologic inspection and evidence of contamination. The selected brass liner will be immediately trimmed, and the ends of the brass liner will be covered tightly

with aluminum foil and plastic caps, sealed with tape, labeled, placed in a plastic bag and store in an ice chest on blue ice in order to minimize the escape of any volatiles present in the samples. Soil samples for analysis are subsequently sent to a State Certified Hazardous Waste Laboratory accompanied by a chain-of-custody record.

Soil samples collected at each sampling interval will be inspected for possible contamination (odor or peculiar colors). Soil vapor concentrations are measured in the field by using Photoionization Detector (PID), PhotoVac-Tip Air Analyzer. The purpose of this field analysis is to qualitatively determine the presence or absence of hydrocarbons and to establish which soil samples will be analyzed at the laboratory. The soil sample is sealed in a zip-lock plastic bag and placed in the sun to enhance volatilization of the hydrocarbons from the sample. The data is recorded on the drilling log at the depth corresponding to the sampling point.

Other soil samples may be collected to document the stratigraphy and estimate relative permeability of the subsurface materials.

Soil tailings obtained during drilling will be stored on-site in steel drums, pending the analytical test results, for proper disposal.

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File No._____

Date_____

By_____

Job_____

Site Description_____ (continued on reverse side)

Type of Drill Rig_____ Hole Diameter_____

(NOTE WATER LEVEL, TIME, DATE AT END OF LOG, CAVING, ETC...)

Elevation_____ Datum_____

Sample Quality	Blows/6 inches	Sample Loc.	Sample Number	Depth		Soil Characterization	Penetrometer
				1			
				2			
				3			
				4			
				5			
				6			
				7			
				8			
				9			
				0			
				1			
				2			
				3			
				4			
				5			
				6			
				7			
				8			

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MONITORING WELL INSTALLATION

Prior to well installation, all the necessary permits will be obtained from the local regulatory agencies.

The boreholes for monitor wells are drilled with the diameter at least two inches larger than the casing outside diameter (O.D.).

Monitor wells will be cased with threaded factory perforated and blank, schedule 40 P.V.C. The perforated interval consists of slotted casing, generally 0.010 to 0.040 inch wide by 1.5 inch long slots, with 42 slots per foot (slots which match formation grain size as determined by field grain-size distribution analysis), a P.V.C. cap is fastened to the bottom of the casing (no solvents, adhesive, or cements are used). The well casing is thoroughly washed and steam-cleaned.

After setting the casing inside the borehole, kiln dried sand or gravel filter-material is poured into the annular space from the bottom of the boring to 2 feet above the perforated interval. A 1 to 2-feet thick bentonite plug will be placed above this filter material to prevent grout infiltration into the filter material. Approximately 1 to 2 gallons of distilled water will be added to hydrate the bentonite pellets. The well is then sealed from the top of the bentonite seal to the surface with concrete or neat cement (containing about 5% bentonite) (see Well Construction Detail).

For protection from vandalism and surface water contamination, Christy boxes with a special type of Allen screw are installed around the well head, (for wells in parking lots, drive-ways and building areas). Steel stovepipes with padlocks are usually set over well heads in landscaped areas.

In general, groundwater monitoring wells shall extend to the base of the upper aquifer, as defined by the consistent (less than 5 feet thick) clay layer below the upper aquifer, or at least 10 to 15 feet below the top of the upper aquifer, whichever is shallower. The wells shall not extend through the laterally extensive clay layer below the upper aquifer. The wells shall be terminated 1 foot to 2 feet into such a clay layer.

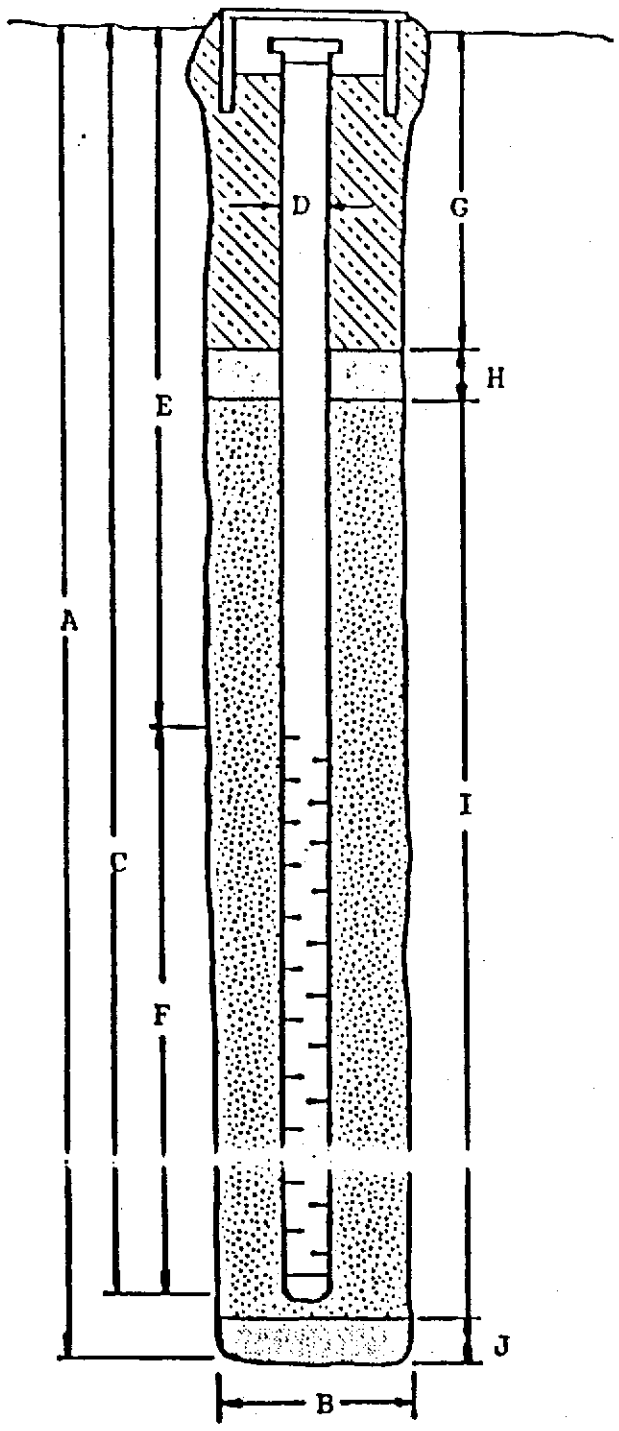
WELL DETAILS

PROJECT NAME: _____ BORING/WELL NO. _____

PROJECT NUMBER: _____ CASING ELEVATION: _____

WELL PERMIT NO.: _____ SURFACE ELEVATION: _____

G-5 Vault Box



A. Total Depth: _____

B. Boring Diameter: _____

Drilling method: _____

C. Casing Length: _____

Material: _____

D. Casing Diameter: _____

E. Depth to Perforations: _____

F. Perforated Length: _____

Perforated Interval: _____

Perforation Type: _____

Perforation Size: _____

G. Surface Seal: _____

Seal Material: _____

H. Seal: _____

Seal Material: _____

I. Gravel Pack:

Pack Material: _____

Size: _____

J. Bottom Seal: _____

Seal Material: _____

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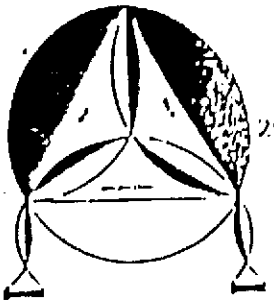
WELL DEVELOPMENT AND WATER LEVEL MEASUREMENTS

For all newly-installed groundwater monitoring wells, the well casing, filter pack and adjacent formation shall be cleared of disturbed sediment and water.

Well development techniques will include pumping, bailing, surging, swabbing, jetting, flushing and air lifting by using a stainless steel or Teflon bailer, submersible stainless steel pump, or air lift pump. The well development will continue until the groundwater appears to be relatively free of fine-grained sediments and/or until field measurements of pH, electrical conductivity and temperature stabilize.

To assure that cross-contamination does not occur between wells, all well development tools be thoroughly washed in a Tri-Sodium Phosphate (TSP) solution followed by a rinse in distilled water or steam-cleaned before each well development.

Subsequent to well installation, the well(s) will be surveyed to the nearest benchmark to an accuracy of 0.01 feet, in order to accurately measure the groundwater elevation. The depth to the static water surface in all wells will be measured monthly.



SOIL TECH ENGINEERING

Soil, Foundation and Geological Engineers

298 MORGAN ROAD, SANTA CRUZ, CA 95060 ■ (408) 866-0919 ■ (415) 791-6406

FILE NO:_____ WELL NO:_____

DATE:_____ SAMPLER:_____

DEPTH TO WELL:_____ 1 WELL VOLUME:_____

DEPTH TO WATER:_____ 5 WELL VOLUMES:_____

HEIGHT OF WATER COLUMN:_____ ACTUAL PURGED VOLUME:_____

CASING DIAMETER: ___ 2" ___ 4"

CALCULATIONS:

2" - X 0.1632 _____

4" - 0.653 _____

PURGE METHOD: ___ BAILER ___ DISPLACEMENT PUMP ___ OTHER

SAMPLE METHOD: ___ BAILER ___ OTHER

SHEEN: ___ NO ___ YES, DESCRIBE_____

ODOR: ___ NO ___ YES, DESCRIBE_____

FIELD MEASUREMENTS

TIME	VOLUME	pH	TEMP.	E.C.

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GROUNDWATER SAMPLING

Prior to collection of groundwater samples, all of the sampling equipment (i.e. bailer, cables, bladder pump, discharge lines and etc...) will be cleaned by pumping TSP water solution followed by distilled water.

Prior to purging the well, "Water Sampling Field Survey Forms" will be filled out (depth to water level, total depth of well and well casing volume calculated). The well will be then bailed or pumped to remove four to ten well-volumes or until the discharged water temperature, conductivity and pH stabilize. "Stabilize" is defined as three consecutive readings within 15% of one another.

The groundwater sample will be collected when the water level in the well recovers to 80% of its static level.

Forty milliliter (ml.) glass Volatile Organic Analysis (VOA) vials with Teflon septa will be used as sample containers. The groundwater sample will be decanted into each VOA vial in such a manner that no air space is present. The cap is quickly placed over the top of the vial and securely tightened. The groundwater sample will be labeled and refrigerated for delivery with proper chain-of-custody to the laboratory. Chain-of-custody information should include a sample identification number, job identification number, date, time, type of analysis requested, and the sampler's name.

In general, a laboratory-cleaned bailer will be used for each monitoring well sampled.

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WELL MONITORING/SAMPLING

Name: _____ Date: _____

FACILITY NAME AND ADDRESS: _____

_____

DATE WELLS DEVELOPED: _____

FIELD ACTIVITIES

DEVELOPING	MONITORING			PURGING (PUMP/BAIL)		SAMPLING	
WELL NUMBER	WELL DEPTH	WATER DEPTH	PRODUCT THICKNESS	SHEEN PRESENCE	ODOR	VOLUME WATER	PURGED PRODUCT

SKETCH -- REMARKS

CHAIN OF CUSTODY RECORD

SOP11

PROJ. NO.	NAME
SAMPLERS: *(Signature)*	

NO.	DATE	TIME	SOIL	WATER	LOCATION	CONTAINER	ANALYSES REQUESTED (2)	REMARKS

Relinquished by: *(Signature)*	Date / Time	Received by: *(Signature)*	Relinquished by: *(Signature)*	Date / Time	Receive by: *(Signature)*
Relinquished by: *(Signature)*	Date / Time	Received by: *(Signature)*	Relinquished by: *(Signature)*	Date / Time	Received by: *(Signature)*
Relinquished by: *(Signature)*	Date / Time	Received for Laboratory by: *(Signature)*	Date / Time	Remarks	

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Volume of Water in Casing or Hole

Diameter of Casing or Hole (In)	Gallons per foot of Depth	Cubic Feet per Foot of Depth	Liters per Meter of Depth	Cubic Meters per Meter of Depth
1	0.041	0.0055	0.509	0.509×10^{-3}
1½	0.092	0.0123	1.142	1.142×10^{-3}
2	0.163	0.0218	2.024	2.024×10^{-3}
2½	0.255	0.0341	3.167	3.167×10^{-3}
3	0.367	0.0491	4.558	4.558×10^{-3}
3½	0.500	0.0668	6.209	6.209×10^{-3}
4	0.653	0.0873	8.110	8.110×10^{-3}
4½	0.826	0.1104	10.26	10.26×10^{-3}
5	1.020	0.1364	12.67	12.67×10^{-3}
5½	1.234	0.1650	15.33	15.33×10^{-3}
6	1.469	0.1963	18.24	18.24×10^{-3}
7	2.000	0.2673	24.84	24.84×10^{3}
8	2.611	0.3491	32.43	32.43×10^{3}
9	3.305	0.4418	41.04	41.04×10^{3}
10	4.080	0.5454	50.67	50.67×10^{3}
11	4.937	0.6600	61.31	61.31×10^{3}
12	5.875	0.7854	72.96	72.96×10^{3}
14	8.000	1.069	99.35	99.35×10^{3}
16	10.44	1.396	129.65	129.65×10^{3}
18	13.22	1.767	164.18	164.18×10^{3}
20	16.32	2.182	202.68	202.68×10^{3}
22	19.75	2.640	245.28	245.28×10^{3}
24	23.50	3.142	291.85	291.85×10^{3}
26	27.58	3.687	342.52	342.52×10^{3}
28	32.00	4.276	397.41	397.41×10^{3}
30	36.72	4.909	456.02	456.02×10^{3}
32	41.78	5.585	518.87	518.87×10^{3}
34	47.16	6.305	585.68	585.68×10^{3}
36	52.88	7.069	656.72	656.72×10^{3}

1 Gallon = 3.785 Liters
1 Meter = 3.281 Feet
1 Gallon Water Weighs 8.33 lbs. = 3.785 Kilograms
1 Liter Water Weighs 1 Kilogram = 2.205 lbs.
1 Gallon per foot of depth = 12.419 liters per foot of depth
1 Gallon per meter of depth = 12.419×10^{3} cubic meters per meter of depth

From Groundwater and Wells, Second Edition

SAMPLE MANAGEMENT

Sample Type: Waste

General Composition	Sample Volume	Sample Container	Preservative	Holding Time (d) (recommended/regulatory)
Measurement - Specific Chemicals, Inorganic				
Ammonia			add 1 ml conc H_3PO_4	24 hrs
Arsenic			add 6 ml conc HNO_3/L	6 months
Chlorine			cool 4°C	24 hrs
Chromium VI			add 6 ml conc H_2SO_4/L	24 Hrs
Cyanide, total			add 2.5 ml of 50% NaOH/L, cool 4°C	24 hrs
Fluoride			cool 4°C	7 days
Mercury, total			add 5 ml conc HNO_3L	38 days
Mercury, dissolved			filter, add 5 ml conc HNO_3/L	38 days
Selenius			add 5 ml conc HNO_3/L	6 months
Sulfide			add 2 ml conc HC1/1	24 hrs
Zinc			add 2 ml conc HC1/1	-

Sample Type: Soils, Oils, Solvents, Solids, Highly Contaminated Liquids (c)

Strong acids, pH<2	glass
Strong bases, pH>12.5	plastic

SAMPLE MANAGEMENT

Sample Type: Soils, Oils, Solvents, Polids, Highly Contaminated Liquids (c)

General Composition	Sample Volume	Sample Container	Preservative	Holding Time (recommended/regulatory)
Weak Acids and Bases		plastic or glass		
Photosensitive materials		amber glass		
Volatile organics		40 ml glass vial with TFE lined septum		
Non-volatile organics		glass with TFE lined cap		
Measurement - General Chemical Categories, Inorganic				
Inorganics, general		plastic or glass		
Metals, total		plastic or glass		
Measurement - General Chemical Categories, Organic				
Acid extractables		glass with TFE lined cap		
Base/neutral extractables		glass with TFE lined cap		
Measurement Specific Chemicals - Inorganic				
Hydrofluoric acid		plastic		
Phosphoric acid		plastic		

SAMPLE MANAGEMENT

Sample Type: Water and Wastewater

General Composition	Sample Volume	Sample Container	Preservative	Holding Time (d) (recommended/regulatory)
Sulfate	50 ml	plastic or glass	cool 4°C	7 days/28 days
Sulfide	500 ml	plastic or glass	cool 4°C, add 4 drops 2N Zn acetate/100 ml	24 hrs/28 days
Sulfite	50 ml	plastic or glass	determine on site	no holding
Measurement - Specific Chemicals, Organic				
NTA	50 ml	plastic or glass waterline & center	cool 4°C	24 hrs
Measurement - Physical Properties				
Acidity			cool 4°C	24 hrs
Alkalinity			cool 4°C	24 hrs
pH			determine on site cool 4°C	6 hrs
Measurement - General Chemical Categories, Inorganic				
Metals, dissolved			filter on site, add 5 ml conc HNO_3/L	6 months
Metals, total			add 5 ml conc HNO_3/L	6 months
Measurement - General Chemical Categories, Organic				
Phenolics			add H_3PO_4 to pH 4 and 1 g $CuSO_4$/L, cool 4°C	24 hrs

Sample Type: Water and Wastewater

General Composition	Sample Volume	Sample Container	Preservative	Holding Time (d) (recommended/regulatory)
Measurements - Specific Chemicals, Inorganic				
Ammonium	500 ml	plastic or glass	cool, 4°C, add H_2SO_4 to pH<2	24 hr/28 days
Boron	100 ml	plastic	none required	28 days/28 days
Chlorine	200 ml	plastic or glass	determine on site	no holding
Chromium VI	300 ml	plastic or glass, rinse with 1:1 HNO_3	cool, 4°C	24 hrs/28 days
Cyanide, total	500 ml	plastic or glass add NaOH to pH>12	cool, 4°C, dark	24 hrs/14 days
Cyanide, amenable to chlorination	50 ml	plastic or glass	add 100 mg NaS_2O_3	
Fluoride	300 ml	plastic	none required	7 days/28 days
Iodide	100 ml	plastic or glass	cool, 4°C	24 hrs/ -
Iodine	500 ml	plastic or glass	determine on site	1/2 hr/ -
Mercury, total	500 ml	plastic or glass rinsed with 1:1 HNO_3	cool, 4°C add HNO_3 to pH<2	28 days/28 days
Mercury, dissolved	100 ml	plastic or glass	filter on site add HNO_3 to pH<1	glass: 38 days hard plastic: 13 days
Nitrate	100 ml	plastic or glass	cool, 4°C add H_2SO_4 to pH<2	24 hrs/48 hrs
Nitrate & nitrate	200 ml	plastic or glass	cool, 4°C add H_2SO_4	24 hrs/28 days
Nitrate	100 ml	plastic or glass	cool, 4°C or freeze	

SAMPLE MANAGEMENT

Sample Type: Water and Wastewater

General Composition	Sample Volume	Sample Container	Preservative	Holding Time (d) (recommended/regulatory)
Measurement - General Chemical Categories, Organic				
Acid extractables		2 liter glass with TFE lined cap		
Base/neutral extractable		2 liter glass with TFE lined cap		
MBA's	250 ml	plastic or glass	cool, 4°C	24 hr
Oil and Grease	1000 ml	glass, wide mouthed, calibrated	cool, 4°C, H_2SO_4 to pH<2	24 hr/28 days 24 hr/28 days
Organics		glass rinsed with organic solvents, TFE cap		
Phenolics	500 ml	glass		24 hr/28 days
Purgeables by purge and trap	50 ml	glass, TFE lined cap		

SAMPLE MANAGEMENT

Sample Type: Water and Wastewater (a,b,c)

General Composition	Sample Volume	Sample Container	Preservative	Holdin Time (d) (recommended/regulatory)
Nonvolatile organics		2 liter glass with TFE lined cap		
Photosensitive materials		1 liter amber glass		
Volatile organics		40 ml glass vial with TFE lined cap (collect in duplicate)		
Volatile	100 ml	Plastic or glass	cool, 4°C	7 days
Measurement - Physical Properties				
Acidity	100 ml	plastic or borosilioate glass	cool, 4°C	24 hr/14/days
Alkalinity	200 ml	plastic or glass	cool, 4°C	24 hr/14/days
pH	25 ml	plastic or glass	determine on site	2 hr/2 hr
Temperature	1000 ml	plastic or glass	determine on site	no holding
Measurement - General Chemical Categories, Inorganic				
metals, dissolved	200 ml	plastic(g) or glass	filter on site (f)	6 mos (e)
metals, total	100 ml	plastic(g) or glass rinsed with 1:1 HNO_3	HNO_3 to pH<2 (g)	6 mos/6 mos (e)

SOIL TECH ENGINEERING

Soil, Foundation and Geological Engineers

298 BROKAW ROAD, SANTA CLARA, CA 95050 ☎ (408) 866-0919 ☎ (415) 791-6406

GENERAL FORMAT
SOIL SAMPLING FOR DISPOSAL
and/or
SITE SUPERVISION

REPRESENTATIVE_____ DATE_____

FACILITY NAME AND ADDRESS_____

_____

FACILITY CONTACT/ENGINEER:_____ PHONE:(___)_____

DEALER/OWNER :_____ PHONE:(___)_____

CONTRACTOR :_____ PHONE:(___)_____

FIRE DEPARTMENT :_____ PHONE:(___)_____

COUNTY HEALTH DEPARTMENT :_____ PHONE:(___)_____

STATE AGENCY :_____ PHONE:(___)_____

SOIL DESCRIPTION(Circle one): SANDY SILTY CLAY SANDY/CLAY SILTY/SAND

ODOR DESCRIPTION (Circle one): NONE FAINT MINOR STRONG

SOIL SAMPLING

NUMBER OF COMPOSITE SAMPLES:_____DEPTH SAMPLES TAKEN AT:_____(FT)

NUMBER OF SAMPLES PER COMPOSITE:_____

SITE SUPERVISION

AERATION: DATE PERMISSION OBTAINED FROM BAAQMD:_____

TOTAL VOLUME OF SOIL TO BE AERATED :_____cu.yds.

VOLUME OF SOIL AERATED ON THIS DATE :_____cu.yds.

EXCAVATION: DESCRIBE PURPOSE:_____

_____

_____

APPROXIMATE VOLUME OF SOIL EXCAVATED:_____cu.yds.

_____

REMARKS:_____

_____

_____

File No. 7-92-514-SA

OUTLINE OF DRUM HANDLING PROCEDURES FOR THE PROPERTY LOCATED AT 3609 EAST 14TH STREET OAKLAND, CALIFORNIA

1. Test material per site-specific test requirements.

2. Classify Material as: Clean/Non-Hazardous.

3. Labeling of Drums:

   * Pending Label: Used to describe material pending final analytical testing. Labels must be immediately affixed to drum during field work.

   * Non-Hazardous Label: Required within 24 hours after analytical results are received.

   * Hazardous Label: Required within 24 hours after analytical results are received.

   * For Pick-Up Label: Must be affixed to drum prior to arranged pick-up date by certified hauler.

4. Remove within 21 days of generation. Empty drums, where material was disposed in bulk, must be removed the same day they are emptied.

5. Disposal of Material:

   * Clean: Any local landfill.

   * Non-Hazardous: Class III landfill.

   * Hazardous: Class I landfill.

6. Manifests may be signed by the on-site contractor or consultant, owner, or other authorized representatives. The transporter should not sign the manifest.

   It is the responsibility of the contractor, consultant and owner to arrange for a person to sign the manifest on the day of pick-up.

7. Reporting:

   Reports shall include the following:

   * Completed soil and water worksheets.
   * Copy of the analytical results.
   * State how and where material was disposed.
   * If drums are emptied and material was disposed of in bulk, state how empty drums were handled.
   * The signed blue and yellow copies of the hazardous waste manifest.

SOIL:

1. Test Requirements and Methods: Per STE site-specific test requirements.

   * TPH: EPA Method 8015.
   * BTEX: EPA Method 8020.
   * O&G: 503 D&E.
   * Lead:

     -Total Lead - EPA Method 7421.

-Inorganic (soluble) Lead: DOS Title 22, Waste Extraction Test, §22-66700.

-Organic - EPA Method 8240.

* Ignitable:

2. Classification:

* Clean: TPH, BTEX, O&G, VOC and non-detectable (<100 ppm).

* Non-Hazardous if any are true:

-TPH less than 1,000 ppm.

-Lead - Inorganic (soluble) Lead less than 5 ppm (STLC) or less than 100 ppm (TTLC).
- Organic Lead less than 13 ppm (TTLC).

* Hazardous if any are true:

-TPH greater than 1,000 ppm.

-Lead - Inorganic (soluble) Lead greater than 5 ppm (STLC) or greater than 1,000 ppm (TTLC).
- Organic Lead greater than 13 ppm (TTLC).

-Ignitable - If TPH > 1,000 ppm, then conduct Bunsen Burner Test.
- If soil bums vigorously and persistently, soils are RCRA D001.

* VOC - less than 1,000 ppm.

3. Responsibility for Disposal:

* Clean: Consultant, contractor or owner.

* Non-Hazardous: Consultant, contractor or owner.

4. Types of Drums: DOT-17H for a solid, solidified, or sludge material.

5. Disposal Facility:

   * Clean: Any local landfill.

   * Non-Hazardous: Class III or II landfill.

   * Hazardous: Class I landfill.

WATER:

1. Test Requirements and Methods: Per site-specific test requirements.

   * TPH: EPA Method 8015.

   * BTEX: EPA Method 602.

2. Classification:

   * Clean Water: TPH and BTEX non-detectable.

   * Hazardous:

     -Water with dissolved product and detectable TPH and BTEX.

     -Water with free product.

     -Free product only.

3. Responsibility for Disposal:

   * Clean: Consultant/Contractor.

   * Non-Hazardous: Consultant, contractor or owner.

4. Types of Drums: DOT-17C or DOT-17E for liquid or slurry.

5. Disposal Facility:

   * Clean Water: Into sanitary sewer per Local Sewer District approval or into storm sewer with proper approval from Water Board.

   * Non-Hazardous:

     -Water with TPH and BTEX only.

     -Water with free product.

     -Arrange certified waste hauler to pick and dispose.

   * Hazardous:

     -Free product only.

     -Arrange disposal by a certified hazardous waste hauler.

File No. 7-92-514-SA

HEALTH AND SAFETY PLAN
FOR THE PROPERTY
LOCATED AT 3609 EAST 14TH STREET
OAKLAND, CALIFORNIA

GENERAL:

This Health and Safety Plan (HSP) contains the minimum requirements for the subject site field work. The field activities include drilling, soil sampling and water sampling. All personnel and contractors will be required to strictly adhere with this HSP requirements.

The objective of the HSP plan is to describe procedures and actions to protect the worker, as well as unauthorized person, from inhalation and ingestion of, and direct skin contact with potentially hazardous materials that may be encountered at the site. The plan describes (1) personnel responsibilities and (2) protective equipment to be used as deemed when working on the site. At a minimum, all personnel working at the site must read and understand the requirements of this HSP. A copy of this HSP will be on-site, easily accessible to all staff and government field representative.

HAZARD ASSESSMENT:

The major contaminants expected to be encountered on the project are gasoline and its hydrocarbon constituents. The anti-

cipated contaminants and their exposure standards are listed in Table 1. It is not anticipated that the potential levels of exposure will reach the permissible exposure limits (PEL) or threshold limit values (TLV). Inhalation and dermal contact are the potential exposure pathways. Protective clothing will be mandatory for field personnel specified in this Plan. In addition, respiratory protective devices are required to be worn by each person on-site or to be within easy reach should irritating odors be detected or irritation of the respiratory tract occur.

TABLE 1
EXPOSURE LIMITS OF ANTICIPATED CHEMICAL CONTAMINANTS IN PARTS PER MILLION (ppm)

Contaminant	PEL	EL	ED	CL	TWA	STEL
Benzene* [skin] & [carc]	1	---	--------	---	10	5
Ethylbenzene	100	---	--------	---	100	125
Toluene [skin]	100	200	10 min per 8 hours	500	100	150
Xylene (o, m, & p isomers) [skin]	100	200	30 min per 8 hours	300	100	150

PEL - permissible exposure limit: 8 hours, time-weighted average, California Occupational Safety and Health Administration Standard (CAL-OSHA).

EL - excursion limit: maximum concentration of an airborne contaminant to which an employee may be exposed without regard to duration provided the 8 hours time-weighted average for PEL is not exceeded (CAL-OSHA).

ED - excursion duration: maximum time period permitted for an exposure above the excursion limit but not exceeding the ceiling limit (CAL-OSHA).

CL - Ceiling limit: maximum concentration of airborne contaminant which employees may be exposed permitted (CAL-OSHA).

TWA - time-weighted average: 8 hours, [same as threshold limit value (TLV)], American Conference of Governmental Industrial Hygienists (ACGIH).

STEL - short-term exposure limit: 15 minutes time-weighted average (ACGIH).

[carc] - substance identified as a suspected or confirmed carcinogen.

[skin] - substance may be absorbed into the bloodstream through the skin, mucous membranes or eyes.

* - Federal OSHA benzene limits given for PEL and STEL; STEL has a 50 minutes duration limit.

A brief description of the physical characteristics, incompatibilities, toxic effects, routes of entry and target organs has been summarized from the NIOSH Pocket Guide to Chemical Hazards for the contaminants anticipated to be encountered. This information is used in on-site safety meetings to alert personnel to the hazards associated with the expected contaminants.

BENZENE:

Benzene is a colorless, aromatic liquid. Benzene may create an explosion hazard. Benzene is incompatible with strong oxidizers, chlorine, and bromine with iron. Benzene is irritating to the eyes, nose and respiratory system. Prolonged exposure may result in giddiness, headache, nausea, staggering gait, fatigue, bone marrow depression or abdominal pain. Routes of entry include inhalation, absorption, ingestion and skin or eye contact. The target organs are blood, the central nervous system (CNS), skin, bone marrow, eyes and respiratory system. Benzene is carcinogenic.

ETHYLBENZENE:

Ethylbenzene is a colorless, aromatic liquid. Ethylbenzene may create an explosion hazard. Ethylbenzene is incompatible with strong oxidizers. Ethylbenzene is irritating to the eyes and mucous membranes. Prolonged exposure may result in headache, dermatitis, narcosis or coma. Routes of entry include inhalation, ingestion and skin or eye contact. The target organs are the eyes, upper respiratory system, skin and the CNS.

TOLUENE:

Toluene is a colorless, aromatic liquid. Toluene may create an explosion hazard. Toluene is incompatible with strong oxidizers. Prolonged exposure may result in fatigue, confusion, euphoria, dizziness, headache, dilation of pupils, lacrimation,

insomnia, dermatitis or photophobia. Routes of entry are inhalation, absorption, ingestion and skin or eye contact. The target organs are the CNS, liver, kidneys and skin.

XYLENE ISOMERS:

Xylene is a colorless, aromatic liquid. Xylene may create an explosion hazard. Xylene is incompatible with strong oxidizers. Xylene is irritating to the eyes, nose and throat. Prolonged exposure may result in dizziness, excitement, drowsiness, staggering gait, corneal vacuolization, vomiting, abdominal pain or dermatitis. Routes of entry are inhalation, absorption, ingestion and skin or eye contact. The target organs are the CNS, eyes, gastrointestinal tract, blood, liver, kidneys and skin.

GENERAL PROJECT SAFETY RESPONSIBILITIES:

Key personnel directly involved in the investigation will be responsible for monitoring the implementation of safe work practices and the provisions of this plan are (1) the drilling project supervisor and (2) Soil Tech Engineering, Inc. (STE) project field engineer. These personnel are responsible for knowing the provisions of the plan, communicating plan requirements to workers under their supervision and regulatory agencies inspectors and for enforcing the plan.

The personnel-protective equipment will be selected to prevent field personnel from exposure to fuel hydrocarbons that may be present at the site. To prevent direct skin contact, the following protective clothing will be worn as appropriate while working at the site:

1. Tyvek coveralls.
2. Butyl rubber or disposable vinyl gloves.
3. Hard hat with optional face shield.
4. Steel toe boots.
5. Goggles or safety glasses.

The type of gloves used will be determined by the type of work being performed. Drilling personnel will be required to wear butyl rubber gloves because they may have long duration contact with the subsurface materials. STE sampling staff will wear disposable gloves when handling any sample. These gloves will be charged between each sample.

Personnel protective equipment shall be put on before entering the immediate work area. The sleeves of the overalls shall be outside of the cuffs of the gloves to facilitate removal of clothing with the least potential contamination of personnel. If at any time protective clothing (coveralls, boots or gloves) become torn, wet or excessively soiled, it will be replaced immediately.

Total organic vapors will be monitored at the site with a portable PID. Should the total organic vapor content approach that of the threshold limit value (TLV) for any of the substances listed in Table 1, appropriate safety measures will be implemented under the supervision of the site project engineer. These precautions include, but are not limited to, the following: (1) Donning of respirators (with appropriate cartridges) by site personnel, (2) forced ventilation of the site, (3) shutdown of work until such time as appropriate safety measures sufficient to insure the health and safety of site personnel can be implemented.

No eating, drinking or smoking will be allowed in the vicinity of the drilling operations. STE will designate a separate area on site for eating and drinking. Smoking will not allowed at the vicinity of the site except in designated areas. No contact lenses will be worn by field personnel.

WORK ZONES AND SECURITY MEASURES:

The Project Engineer will call Underground Service Alert (USA) and the utilities will be marked before any drilling is conducted on-site, and the borings will be drilled at safe distances from the utilities. The client will also be advised to have a representative on-site to advise us in selecting locations of borings with respect to utilities or underground structures. Soil Tech Engineering, Inc. assumes no responsibility to utilities not so located. The first 5 feet will be hand augered before any drilling equipment is operated.

Each of the areas where the borings will be drilled will be designated as Exclusion Zones. Only essential personnel will be allowed into an Exclusion Zone. When it is practical and local topography allows, approximately 25 to 75 feet of space surrounding those Exclusion Zones will be designated as Contamination Reduction Zones.

Cones, wooden barricades or a suitable alternative will be used to deny public access to these Contamination Reduction Zones. The general public will not be allowed close to the work area under any conditions. If for any reason the safety of a member of the public (e.g. motorist or pedestrian) may be endangered, work will cease until the situation is remedied. Cones and warning signs will be used when necessary to redirect motorists or pedestrians.

LOCATION AND PHONE NUMBERS OF EMERGENCY FACILITIES:

For emergency reasons, the closest facilities addresses and phone numbers are listed below:

City of Oakland Fire Department 911

Highland General Hospital (510) 534-8055
1411 East 31st Street, Oakland, CA

ADDITIONAL CONTINGENCY TELEPHONE NUMBERS:

Poison Control Center . . . . . (800) 523-2222

Soil Tech Engineering Administrative Office . . . . (408) 496-0265

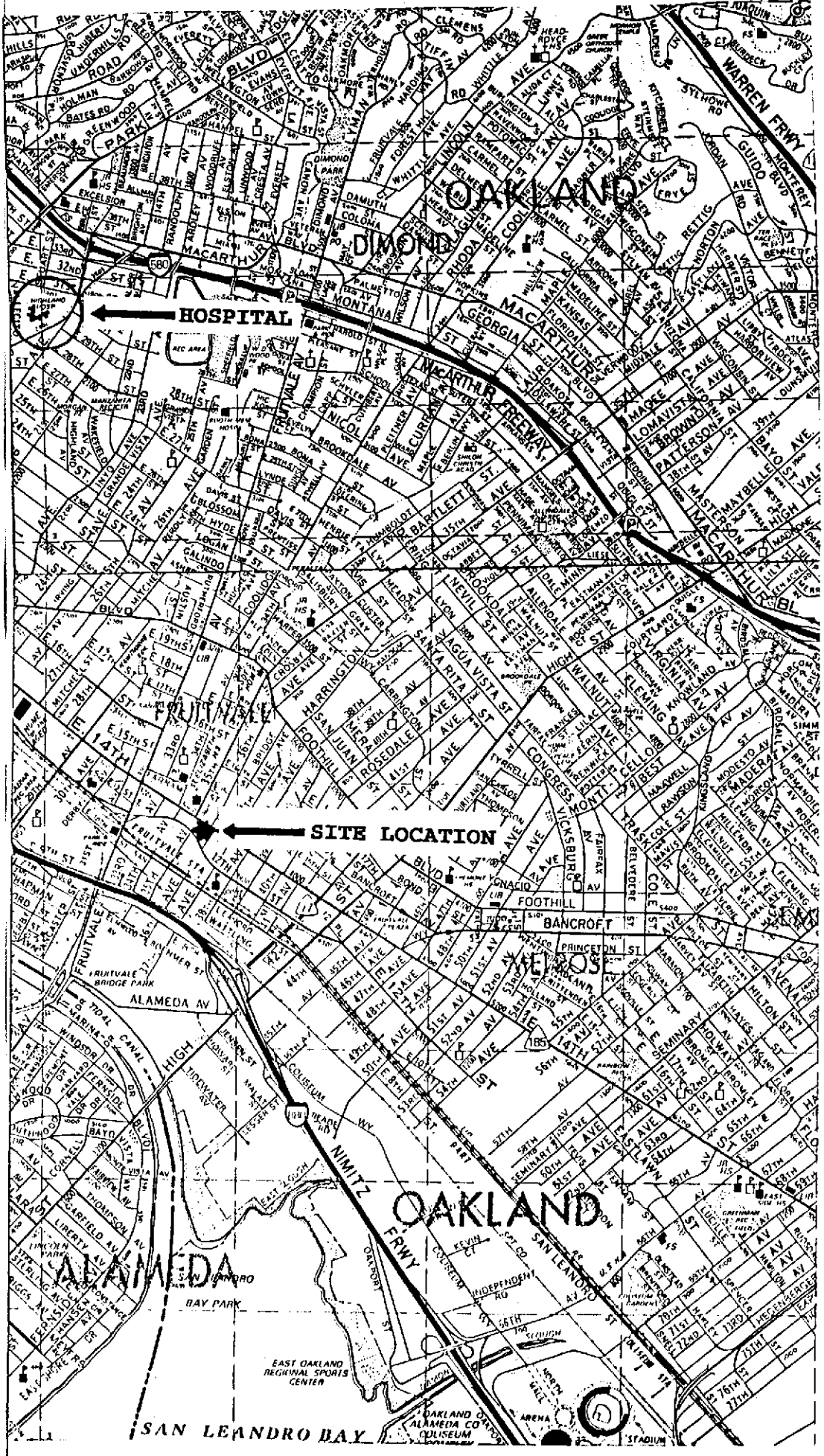
CHEMTREC . . . . . (800) 424-9300

NOTE: Only call CHEMTREC stands for Chemical Transportation Emergency Center, a public service of the Chemical Manufacturer's Association. CHEMTREC can usually provide hazard information, warnings and guidance when given the identification number or the name of the product and the nature of the problem. CHEMTREC can also contact the appropriate experts.

This Site Safety Plan has been reviewed by the project engineer, STE field personnel and all subcontractors.

Amendments or modifications to this Plan may be written on a separate page and attached to this Plan. Any amendments or modifications must be reviewed and approved by the personnel name above.

File No. 7-92-514-SA



DIRECTION TO THE HOSPITAL: Take north 23rd Avenue from East 14th Street. Turn west (left) at 31st Street. The Highland Hospital is located at the corner of 31st Street and 14th Avenue.

File No. 7-92-514-SA

TYPES OF PROTECTIVE CLOTHING AND RESPIRATION THAT SHOULD BE USED AT HAZARDOUS WASTE SITES LOCATED AT 3609 EAST 14TH STREET OAKLAND, CALIFORNIA

The degree of hazard is based on the waste material's physical, chemical, and biological properties and anticipated concentrations of the waste. The level of protective clothing and equipment worn must be sufficient to safeguard the individual. A four category system is described below.

LEVEL A

Level A consists of a pressure-demand SCBA (air supplying respirator with back mounted cylinders), fully encapsulated resistant suit, inner and outer chemical resistant gloves, chemical resistant steel safety boots (toe, shank, and metatarsal protection), and hard hat. Optional equipment might include cooling systems, abrasive resistant gloves, disposable oversuit and boot covers, communication equipment, and safety line. Level A is worn when the highest level of respiratory, skin, and eye protection is required. Most samplers will never wear Level A protection.

LEVEL B

Level B protection is utilized in areas where full respiratory protection is warranted, but a lower level of skin and eye protection is sufficient (only a small area of head and neck is exposed). Level B consists of SCBA, splash suit (one or two piece) or disposable chemical resistant coveralls, inner and outer chemical resistant gloves, chemical resistant safety boots, and hard hat with face shield. Optional items include glove and boot covers and inner chemical resistant fabric coveralls.

LEVEL C

Level C permits the utilization of air-purifying respirators. Level B body, foot, and hand protection is normally maintained. Many organizations will permit only the use of approved full-face masks equipped with a chin or harness-mounted canister. However, many sites are visited by personnel wearing a half-mask cartridge respirator.

LEVEL D

Level D protection consists of a standard work uniform of coveralls, gloves, safety shoes or boots, hard hat, and goggles or safety glasses.

Two basic types of respirators are air-purifying and air-supplying. Air-purifying respirators are designed to remove specific contaminants by means of filters and/or sorbents. Air-purifying respirators come in various sizes, shapes, and models and can be outfitted with a variety of filters, cartridges, and canisters. Each mask and cartridge or canister is designed for protection against certain contaminant concentrations. Just because a cartridge says it is for use against organic vapors does not mean that it is good for all organic vapors.

Air-supplying respirators are utilized in oxygen-deficient atmospheres (less than 19.5 percent) or when an air-purifying device is not sufficient. Air is supplied to a face-mask from an uncontaminated source of air via and air line from stationary tanks, from a compressor, or from air cylinders worn on the back (SCBA). Rated capacities of the SCBA's are normally between 30 and 60 minutes. Only positive pressure (pressure demand) respirators should be used in high concentration hazardous environments.

Respirators often malfunction during cold weather or after continued use. Only NIOSH (National Institute for Occupational Safety and Health) MSHA (Mine Safety and Health Administration) approved respirators should be used.

Contact lenses are not permitted for use with any respirator. Contact lenses should not be worn at any site since they tend to concentrate organic materials around the eyes; soft plastic contact

lenses can absorb chemicals directly. In addition, rapid removal of contact lenses may be difficult in an emergency. Since eye glasses can prevent a good seal around the temple when wearing goggles or full face masks, spectacle adapters are available for masks and goggles.

SOIL TECH ENGINEERING
Soil, Foundation and Geological Engineers
298 BROKAW ROAD, SANTA CLARA, CA 95050 ■ (408) 496-0265 OR (408) 496-0266

August 9, 1993

File No. 7-92-514-SA

Ms. Karen Ditulano
Redwood Sanitary Landfill, Inc.
8950 Redwood Highway
P.O. Box 793
Novato, California 94948

Subject: Request for Disposal of Treated Petroleum Impacted Soil from the Property Located at 3609 East 14th Street, in Oakland, California

Dear Ms. Ditulano:

The following is the information regarding the treated petroleum impacted soil generated at the subject site for disposal at your facility.

The stockpiled soil was generated at the existing fuel service station during removal of the three fuel tanks and one waste oil tanks. The volume of the excavated soil is approximately 350 to 400 yards.

The samples taken from the waste oil tank excavation detected no petroleum hydrocarbons nor Volatile Organic Compounds (VOC's).

The source of stockpiled soil stored on-site cause mainly from fuel tank excavation and the associated piping area. No soil from the waste oil tank excavation was added to the two segregated piles A and B as shown in Figure 1.

The characterization of the two stockpiled soil A and B showed pile B Total Petroleum Hydrocarbons (TPH) concentrations ranged from 1.3 milligrams per kilogram (mg/Kg) to a maximum of 10 mg/Kg, and pile A TPH levels was fairly high ranging from 81 mg/Kg to a maximum of 500 mg/Kg. The volume of pile B is approximately 150 to 200 cubic yards. Table 1 summarizes the initial characterization of the stockpiled soil.

The pile A was treated on-site by aeration for couple of weeks and was resampled on August 6, 1993. All sampling was conducted in accordance with Bay Area Air Quality Management District Regulation 8, Rule 4. The grab samples were taken randomly from 1 to 3 feet below the stockpiled soil surface with the aide of a hand auger in a brass tube. The ends of the tube were capped and sealed, and the tube was labeled and placed in an ice chest for delivery to Priority Environmental Labs, in Milpitas, accompanied by the proper chain-of-custody form. Eight grab samples were taken from the stockpiled and were composited into two samples in the laboratory.

The samples were analyzed for Total Petroleum Hydrocarbons as gasoline (TPHg), Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX). One composite soil sample was tested for Organic Lead. The confirmation samples results are summarized in Table 2.

File No. 7-92-514-SA

Please review the results of the treated soil and inform us at your earliest convenience for disposal.

The total volume of the treated soil in both piles is approximately 350 to 400 yards. Upon your approval, we would immediately initiate transporting to your facility.

Thank you for prompt response. If you have any questions or require additional information, please feel free to contact our office at your convenience.

Sincerely,

SOIL TECH ENGINEERING, INC.

FRANK HAMEDI-FARD
GENERAL MANAGER

LAWRENCE KOO, P. E.
C. E. #34928

TABLE 1
SUMMARY OF SOIL ANALYSIS RESULTS
FROM STOCKPILED SOIL
IN
MILLIGRAMS PER KILOGRAM (mg/Kg)

Date	Sample Number	TPHg	D	T	E	X	Lead
7/13/93	ST-1,2,3,4	500	ND	ND	ND	4.1	ND
	ST-5,6,7,8	1.3	ND	ND	ND	ND	NA
	ST-9,10,11,12	2.9	ND	0.009	ND	0.032	NA
	ST-13,14,15,16	10	ND	ND	ND	0.12	NA
	ST-17,18,19,20	81	ND	0.075	ND	0.26	NA

TPHg - Total Petroleum Hydrocarbons as gasoline
BTEX - Benzene, Toluene, Ethylbenzene, Total Xylenes
NA - Not Analyzed
ND - Not Detected (Below Laboratory Detection Limit)

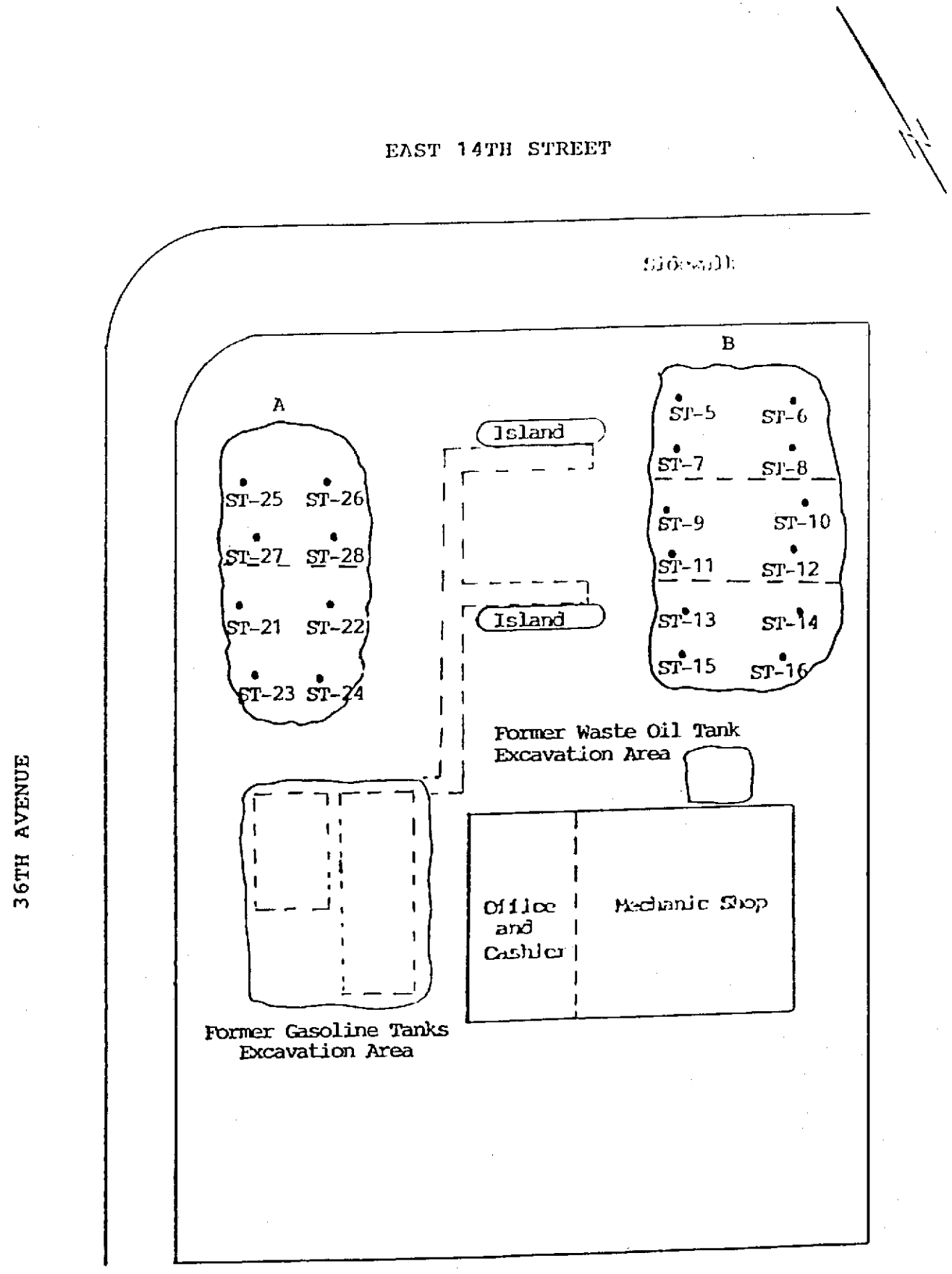
Stockpile A - consist of ST-1 to ST-4 and ST-17 to ST-20
Stockpile B - consist of ST-5 to ST-8, ST-9 to ST-12 and ST-13 to ST-16

File No. 7-92-514-SA

TABLE 2
SOIL ANALYSES FROM STOCKPILED B
AFTER TREATMENT
IN
MILLIGRAMS PER KILOGRAM (mg/Kg)

Date	Sample Number	TPHg	D	T	E	X
8/06/93	ST-21,22,23,24	ND	ND	ND	ND	ND
	ST-25,26,27,28	ND	ND	ND	ND	ND

TPHg - Total Petroleum Hydrocarbons as gasoline
BTEX - Benzene, Toluene, Ethylbenzene, Total Xylenes
ND - Not Detected (Below Laboratory Detection Limit)



Location of Stockpile Soil Sampling

Figure 1

Argon Mobile Labs

3008 McKittrick Ct., Suite N • Ceres, CA 95307 • (209) 537-7836

SOIL TECH ENGINEERING, INC.
298 Brokaw Rd
Santa Clara, CA 95050

Date Sampled: 07/13/93
Date Received: 07/13/93
Date Reported: 07/16/93

Project ID: 7-92-514-SA
Sample ID: ST(1,2,3,4)

Lab Number: T307091
Matrix: Soil

TPH-gas/BTXE

ANALYTE	Detection Limit ppm	Sample Results ppm
Total Petroleum Hydrocarbons as Gasoline	20.0	500
Benzene	0.10	<0.10
Toluene	0.10	<0.10
Xylenes	0.10	4.1
Ethylbenzene	0.10	<0.10

Note: Analysis was performed using EPA methods 5030/8015/8020
ppm = mg/Kg
DL's are higher due to dilution factors

ARGON MOBILE LABS

Hiram Cueto
Lab Director

Argon Mobile Labs

3008 McKittrick Ct., Suite N • Ceres, CA 95307 • (209) 537-7836

SOIL TECH ENGINEERING, INC.
298 Brokaw Rd
Santa Clara, CA 95050

Date Sampled: 07/13/93
Date Received: 07/13/93
Date Reported: 07/16/93

Project ID: 7-92-514-SA
Sample ID: ST(5,6,7,8)

Lab Number: T307092
Matrix: Soil

TPH-gas/BTXE

ANALYTE	Detection Limit ppm	Sample Results ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	1.3
Benzene	0.005	<0.005
Toluene	0.005	<0.005
Xylenes	0.005	<0.005
Ethylbenzene	0.005	<0.005

QA/QC: Blank is none detected.
78% Surrogate Spike Recovery
80% Matrix Spike Recovery
1.2% Duplicate Spike Deviation

Note: Analysis was performed using EPA methods 5030/8015/8020
ppm = mg/Kg

ARGON MOBILE LABS

Hiram Cueto
Lab Director

Argon Mobile Labs

3008 McKittrick Ct., Suite N • Ceres, CA 95307 • (209) 537-7836

SOIL TECH ENGINEERING, INC.
298 Brokaw Rd
Santa Clara, CA 95050

Date Sampled: 07/13/93
Date Received: 07/13/93
Date Reported: 07/16/93

Project ID: 7-92-514-SA
Sample ID: ST(9,10,11,12)

Lab Number: T307093
Matrix: Soil

TPH-gas/BTXE

ANALYTE	Detection Limit ppm	Sample Results ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	2.9
Benzene	0.005	<0.005
Toluene	0.005	0.009
Xylenes	0.005	0.032
Ethylbenzene	0.005	<0.005

Note: Analysis was performed using EPA methods 5030/8015/8020
ppm = mg/Kg

ARGON MOBILE LABS

Hiram Cueto
Lab Director

Argon Mobile Labs

3008 McKittrick Ct., Suite N • Ceres, CA 95307 • (209) 537-7836

SOIL TECH ENGINEERING, INC.
298 Brokaw Rd
Santa Clara, CA 95050

Date Sampled: 07/13/93
Date Received: 07/13/93
Date Reported: 07/16/93

Project ID: 7-92-514-SA
Sample ID: ST(13,14,15,16)

Lab Number: T307094
Matrix: Soil

TPH-gas/BTXE

ANALYTE	Detection Limit ppm	Sample Results ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	10
Benzene	0.005	<0.005
Toluene	0.005	<0.005
Xylenes	0.005	0.12
Ethylbenzene	0.005	<0.005

Note: Analysis was performed using EPA methods 5030/8015/8020
ppm = mg/Kg

ARGON MOBILE LABS

Hiram Cueto
Lab Director

Argon Mobile Labs

3008 McKittrick Ct., Suite N • Ceres, CA 95307 • (209) 537-7836

SOIL TECH ENGINEERING, INC.
298 Brokaw Rd
Santa Clara, CA 95050

Date Sampled: 07/13/93
Date Received: 07/13/93
Date Reported: 07/16/93

Project ID: 7-92-514-SA
Sample ID: ST(17,18,19,20)

Lab Number: T307095
Matrix: Soil

TPH-gas/BTXE

ANALYTE	Detection Limit ppm	Sample Results ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	81
Benzene	0.005	<0.005
Toluene	0.005	0.075
Xylenes	0.005	0.26
Ethylbenzene	0.005	<0.005

QA/QC: 95% Surrogate Spike Recovery

Note: Analysis was performed using EPA methods 5030/8015/8020
ppm = mg/Kg

ARGON MOBILE LABS

Hiram Cueto
Lab Director

Argon Mobile Labs

3008 McKittrick Ct., Suite N • Ceres, CA 95307 • (209) 537-7836

SOIL TECH ENGINEERING, INC.
298 Brokaw Rd.
Santa Clara, CA 95050

Date Sampled: 07/13/93
Date Received: 07/14/93
Date Reported: 08/09/93

Project ID: 7-92-514-SA

Matrix: Soil

Organic Lead DOHS LUFT Analysis Report

Sample Number	Sample Description	Detection Limit	Results
		ppm	ppm
T307091	ST(1,2,3,4)	1.0	<1.0

QA/QC: 22% Matrix Spike Recovery (*)
21% Duplicate Spike Recovery (*)

ppm = mg/Kg
(*) = Matrix interference.

ARGON MOBILE LABS

Hiram Cueto
Lab Director

CHAIN OF CUSTODY RECORD

(2)

PROJ. NO.	NAME
7-92-514-3A	3609 E. 14th. St. OAKLAND

SAMPLERS: (Signature) N. Amel

NO.	DATE	TIME	SOIL	WATER	LOCATION	CONTAINER	ANALYSES REQUESTED (2) TPHG/BTE&X	REMARKS
1	7/13/93	16:35	✓		ST-1	1	✓	
2	7/13/93	16:41	✓		ST-2	1	✓	COMP.
3	7/13/93	16:43	✓		ST-3	1	✓	
4	7/13/93	16:44	✓		ST-4	1	✓	
5	7/13/93	16:55	✓		ST-5	1	✓	
6	7/13/93	17:00	✓		ST-6	1	✓	COMP.
7	7/13/93	17:03	✓		ST-7	1	✓	
8	7/13/93	17:05	✓		ST-8	1	✓	
9	7/13/93	17:15	✓		ST-9	1	✓	
10	7/13/93	17:17	✓		ST-10	1	✓	COMP.
11	7/13/93	17:19	✓		ST-11	1	✓	
12	7/13/93	17:21	✓		ST-12	1	✓	

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Receive by: (Signature)
N. Amel	7/14/93 2:12	Felix Valdez			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	

SOIL TECH ENGINEERING
Soil, Foundation and Geological Engineers
298 BROKAW ROAD, SANTA CLARA, CA 95050 ■ (408) 496-0265 OR (408) 496-0266

CHAIN OF CUSTODY

PROJ. NO.	NAME
7-93-514-SK	3000 E. 14th St. OAKLAND

SAMPLERS: (Signature)

N. Amoroso

	NO.	DATE	TIME	SOIL	WATER	LOCATION	CONTAINER	ANALYSES REQUESTED (2) TPHG/BTEXX	REMARKS
COMP.	13	7/13/93	17:35	✓		ST-13	1		
	14	7/13/93	17:40	✓		ST-14	1		COMP.
	15	7/13/93	17:45	✓		ST-15	1		
	16	7/13/93	17:50	✓		ST-16	1		
	17	7/13/93	17:52	✓		ST-17	1		
COMP.	18	7/13/93	17:55	✓		ST-18	1		COMP.
	19	7/13/93	18:02	✓		ST-19	1		
	20	7/13/93	18:05	✓		ST-20	1		

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Receive by: (Signature)
N. Amoroso	7/14/93 0900	Felix Uribe			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	

SOIL TECH ENGINEERING

Soil, Foundation and Geological Engineers

298 BROKAW ROAD, SANTA CLARA, CA 95050 ■ (408) 496-0265 OR (408) 496-0266

PRIORITY ENVIRONMENTAL LABS
Precision Environmental Analytical Laboratory

August 09, 1993

PEL # 9308031

SOIL TECH ENGINEERING, INC.

Attn: Noori Ameli
Re: Two composited soil samples for Gasoline/BTEX analysis.

Date sampled: Aug 06, 1993
Date extracted: Aug 07, 1993

Date submitted: Aug 06, 1993
Date analyzed: Aug 07,1993

RESULTS:

SAMPLE I.D.	Gasoline (mg/Kg)	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethyl Benzene (ug/Kg)	Total Xylenes (ug/Kg)
STP-21,22,23,24	N.D.	N.D.	N.D.	N.D.	N.D.
STP-25,26,27,28	N.D.	N.D.	N.D.	N.D.	N.D.
Blank	N.D.	N.D.	N.D.	N.D.	N.D.
Spiked Recovery	83.2%	80.9%	84.1%	82.8%	91.5%
Detection limit	1.0	5.0	5.0	5.0	5.0
Method of Analysis	5030/ 8015	8020	8020	8020	8020

David Duong
Laboratory Director

1764 Houret Court Milpitas, CA. 95035 Tel: 408-946-9636 Fax: 408-946-9663

CHAIN OF CUSTODY RECORD

PEL # 9308031

INV # 23871

PROJ. NO.	NAME

SAMPLERS: (Signature) Richard Mandler

NO.	DATE	TIME	SOIL	WATER	LOCATION	CONTAINER	ANALYSES REQUESTED ② TPH BTEX	REMARKS
	8/6/93	2:15	✓		STP-21		X	Comp
	8/6/93	2:20	✓		STP-22			
		2:25	✓		STP-23			
		2:35	✓		STP-24			
		2:45	✓		STP-25			Comp
		2:50	✓		STP-26			
		2:55	✓		STP-27			
		3:55	✓		STP-28		↓	

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Richard Mandler	8/6/93 4:25				
		THANH LAM			
	8/6/93 4:25	Received for Laboratory by: (Signature) PEL	Date / Time	Remarks	

SOIL TECH ENGINEERING

Soil, Foundation and Geological Engineers

298 BROKAW ROAD, SANTA CLARA, CA 95050 ■ (408) 496-0265 OR (408) 496-0266

Telephone (209) 982-0447
or (209) 239-8804

COLLINS TRUCKING

17888 SWANSON RD., MANTECA, CA 95336

FREIGHT BILL № 4081

DATE: 9-9-93 | JOB NO. Mexica 1 | TYPE OF LOADING: BELT [ ] BUNKER [ ] HOT PLANT [ ] FRONT LOADER [ ] OTHER

DESTINATION: (WHERE MAT'L DELIVERED) Redwood Land Fill Novato

POINT OF ORIGIN: (WHERE MAT'L WAS LOADED) 14th & 36 Oakland Rine Station

CONSIGNEE: (WHO REC'D MAT'L) | CONSIGNEE ADDRESS

CONTRACTOR: (HAULED FOR) Alpha Geo/Soils Tech | CONTRACTOR ADDRESS

TONNAGE [ ] HOURLY [✓]

SHOVEL RATE [ ] BUNKER RATE [ ] HAND LOADED [ ]

Tag No. or Load No.	WEIGHT	LOADING TIMES: ARRIVE AT PIT	BEGAN LOADING	LOADED	UNLOADING TIMES: ARRIVE	DEPART	KIND OF MATERIAL
1 1224	14yd.	9:45		10:05	11:05	12:25	Dirt
2		1:30					Delivered at dump
3							14 yd.
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							

DISPATCH TIME:

Ⓐ START TIME: 9:45

Ⓑ ELAPSED RUNNING TIME (LOADED TRAVEL TIME) OF LAST LOAD IN MINUTES

Ⓒ LINE Ⓑ ADDED TO LAST UNLOAD TIME IS END TIME: 1:30

Ⓓ FROM LINE Ⓐ TO LAST LOAD OR WEIGH TIME PLUS DOUBLE LINE Ⓑ PLUS LINE Ⓕ OR ELAPSED TIME FROM LINE Ⓐ TO LINE Ⓒ IS TOTAL TIME: 3 3/4

Ⓔ TIME THAT DEBTOR SHOULD NOT HAVE TO PAY FOR (SHOW DOWN TIME LUNCH, ETC.) DEDUCTIONS: —

Ⓕ ELAPSED UNLOADING TIME OF LAST LOAD IN MINUTES

LINE Ⓓ LESS LINE Ⓔ IS NET TIME: 3 3/4

DRIVER'S SIGNATURE X David [illegible]

SUBHAULER'S CAL T-NO

NO. OF AXLES 4

LICENSE NUMBERS: TRUCK / SEMI / PULL

TRUCK NO. C-9

CHECK IF UNDER 56' BETWEEN 1ST AND LAST AXLES [✓]

RATE AND CHARGES | TONS OR HRS | RATE | AMOUNT DUE [illegible]

CONSIGNEE SIGNATURE

UNDERLYING CARRIER

ADDRESS

DRIVER INSTRUCTIONS

1. THE OVERLYING CARRIER MUST KNOW WHOM TO PAY FOR THIS HAULING TO AVOID DELAY IN PAYMENT. MAKE SURE THAT THE OVERLYING CARRIER NAMED AT TOP OF FREIGHT BILL KNOWS NAME AND ADDRESS OF THE UNDERLYING CARRIER
2. LEAVE THE CARBONS ATTACHED WHEN SUBMITTING THIS TAG.
3. TURN IN WEIGHT TAGS, IF AVAILABLE
4. FORWARD COPIES OF THIS FREIGHT BILL TO THE OVERLYING CARRIER PROMPTLY
5. P.U.C. REGULATIONS REQUIRE THAT ITS CAL T-NUMBER BE PLAINLY MARKED ON EVERY DUMP TRUCK. MAKE SURE THAT THE CAL T-NUMBER UNDER WHICH THIS TRUCK IS OPERATING APPEARS BOTH ON THE TRUCK AND ON THIS FREIGHT BILL

White Copy - Office, Canary - Customer, Pink - Trucker, Green - Driver, Gold - Contractor

Bridge Pass

L. TARANGO TRUCKING

P.O. BOX 1919
PITTSBURG, CA 94565
(510) 757-2109
CAL T 155427

SHIPPING ORDER and FREIGHT BILL

Date 9 / 9 19 93

TRUCK NO. L-10 TRAILER NO. 0072

SUB HAULER Luper Son

TYPE OF LOADING: ☐ BELT ☐ BUNKER ☐ HAND ☒ POWER

TYPE OF TRUCK: ☒ TRANSFER ☐ SEMIS ☐ BOTTOMS ☐ TEN YARD

PRIME CARRIER | TAG NO. | CONSIGNEE

☐ SHIPPER ☐ CONTRACTOR Alfa Geo / Soil Tec.

DESTINATION Redwood Land Fill Novato

POINT OF ORIGIN 36th & E. 14th

CITY Oakland

P.O. NO.

MATERIALS waste

NO	SCALE TAG NO	YARDS OR WEIGHT	LOADING TIME ARRIVE	LOADING TIME LEAVE	OFFICE USE NET STAND BY	UNLOADING TIME ARRIVE	UNLOADING TIME LEAVE	OFFICE USE NET STAND BY
1	1204	18yds	900	935		1100	1115	
2	1244	18yds	1235	115				
3								
4								
5								
6								
7								
8								
9								
10		Bridge #		16	50			
11								
12								
13								
14								
15								
16								
17								

FUEL GAL.	OIL GAL.	ONE WAY MILEAGE

1. TIME LEFT FOR UNLOADING LAST LOAD
2. TIME ARRIVED TO DUMP LAST LOAD –
3. NET RUNNING TIME LAST LOAD – (SUBTRACT 2 FROM 1)
4. TIME FINISHED DUMP LAST LOAD –
5. TIME ALLOWED TO RETURN – LAST LOAD – (ADD 3 TO 4)

OFFICE USE ONLY

TOTAL HOURS OR TONS	
RATE PER HOUR OR TON	$
SUBTOTAL	$
SUR CHARGES	$
SALES TAX	$
2 BRIDGE FARE	$
SEP 14	
TOTAL CHARGES	$

START 9:00 STOP 5:00 DEDUCT TIME 60 NET TIME 8

DRIVER N. Luper

RECEIVED BY X Felipe M. Leal

ALL BILLS DUE AND PAYABLE BY THE 10TH OF THE MONTH A 1½% PER MONTH CHARGED ON PAST DUE ACCOUNTS. THIS IS AN ANNUAL PERCENTAGE RATE OF 18%. CUSTOMER WILL BE RESPONSIBLE FOR ALL COURT AND ATTORNEY COSTS FOR COLLECTION.

THESE CHARGES INCLUDE (1) FEES TO PAY FOR REGULATION OF TRANSPORTATION COMPANIES BY THE CALIFORNIA PUBLIC UTILITIES COMMISSION AND (2) TAXES PAID TO CALIFORNIA CITIES INSTEAD OF EXCISE OR BUSINESS LICENSE TAXES THEY COULD OTHERWISE IMPOSE

NOTICE: OUR DRIVERS WILL MAKE EVERY EFFORT TO PLACE MATERIAL WHERE CUSTOMER DESIGNATES, BUT THE COMPANY ASSUMES NO RESPONSIBILITY FOR DAMAGES INSIDE CURB OR PROPERTY LINE. NO CLAIMS ALLOWED UNLESS MADE WHEN MATERIAL IS DELIVERED AND RECEIPTED FOR

L. TARANGO TRUCKING

P.O. BOX 1919
PITTSBURG, CA 94565
(510) 757-2109
CAL T 155427

SHIPPING ORDER and FREIGHT BILL

Bridge Pass

Date 8 / 16 / 19 93

TRUCK NO. K388 TRAILER NO. 103

SUB HAULER Jim Miller

TYPE OF LOADING: [ ] BELT [ ] BUNKER [ ] HAND [X] POWER

TYPE OF TRUCK: [X] TRANSFER [ ] SEMIS [ ] BOTTOMS [ ] TEN YARD

PRIME CARRIER L. Tarango

TAG NO. 16213

CONSIGNEE Alpha Geo Soil Tech. Eng

[ ] SHIPPER [X] CONTRACTOR Alpha Soils Geo Tech.

DESTINATION Redwood Landfill

POINT OF ORIGIN 36th & 14th St.

CITY Oakland, Ca.

CITY Novato, Ca.

P.O. NO. Jt # Oakland - E. 14th St

MATERIALS Dirt

NO	SCALE TAG NO	YARDS OR WEIGHT	LOADING TIME ARRIVE	LOADING TIME LEAVE	LOADING OFFICE USE NET STAND BY	UNLOADING TIME ARRIVE	UNLOADING TIME LEAVE	UNLOADING OFFICE USE NET STAND BY
1	97729	18 yds.	0630	0650		0755	0810	
2	97763	18 yds	0910	0945		1100	1120	
3	97798	18 yds	1220	1245		1400	1415	
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								

FUEL	OIL	ONE WAY MILEAGE
- 0 GAL.	- 0 GAL.	38 miles

1. TIME LEFT FOR UNLOADING LAST LOAD 1245
2. TIME ARRIVED TO DUMP LAST LOAD – 1400
3. NET RUNNING TIME LAST LOAD – (SUBTRACT 2 FROM 1) 1 hr 15 min
4. TIME FINISHED DUMP LAST LOAD – 1415
5. TIME ALLOWED TO RETURN – LAST LOAD – (ADD 3 TO 4) 1530

OFFICE USE ONLY

TOTAL HOURS OR TONS	
RATE PER HOUR OR TON	$
SUBTOTAL	$
SUR CHARGES	$
SALES TAX	$
BRIDGE FARE	$
TOTAL CHARGES	$

START 0630 STOP 1530 DEDUCT TIME 0 NET TIME 9 hrs.

DRIVER Jim Miller

RECEIVED BY X Felipe Chavez

ALL BILLS DUE AND PAYABLE BY THE 10TH OF THE MONTH. A 1½% PER MONTH CHARGED ON PAST DUE ACCOUNTS. THIS IS AN ANNUAL PERCENTAGE RATE OF 18%. CUSTOMER WILL BE RESPONSIBLE FOR ALL COURT AND ATTORNEY COSTS FOR COLLECTION.

THESE CHARGES INCLUDE (1) FEES TO PAY FOR REGULATION OF TRANSPORTATION COMPANIES BY THE CALIFORNIA PUBLIC UTILITIES COMMISSION AND (2) TAXES PAID TO CALIFORNIA CITIES INSTEAD OF EXCISE OR BUSINESS LICENSE TAXES THEY COULD OTHERWISE IMPOSE

NOTICE: OUR DRIVERS WILL MAKE EVERY EFFORT TO PLACE MATERIAL WHERE CUSTOMER DESIGNATES, BUT THE COMPANY ASSUMES NO RESPONSIBILITY FOR DAMAGES INSIDE CURB OR PROPERTY LINE. NO CLAIMS ALLOWED UNLESS MADE WHEN MATERIAL IS DELIVERED AND RECEIPTED FOR

Bridge Pass 3670034

Date 8/16/93

TRUCK NO. 522-10 TRAILER NO. A

SUB HAULER

L. TARANGO TRUCKING

P.O. BOX 1919
PITTSBURG, CA 94565
(510) 757-2109
CAL T 155427

SHIPPING ORDER and FREIGHT BILL

TYPE OF LOADING: [ ] BELT [ ] BUMPER [ ] HAND [X] POWER

TYPE OF TRUCK: [X] TRANSFER [ ] SEMIS [ ] BOTTOMS [ ] TEN YARD

PRIME CARRIER L. TARANGO — TAG NO. 16708

[ ] SHIPPER [X] CONTRACTOR ALFA-GEO

POINT OF ORIGIN 34th & E. 14th St

CITY Oakland, Ca

CONSIGNEE

DESTINATION Hwy 101 & Redwood Rd

CITY Novato, Ca

P.O. NO. (Redwood Landfill)

MATERIALS Dirt

NO	SCALE TAG NO	YARDS OR WEIGHT	LOADING TIME ARRIVE	LOADING TIME LEAVE	LOADING OFFICE USE NET STAND BY	UNLOADING TIME ARRIVE	UNLOADING TIME LEAVE	UNLOADING OFFICE USE NET STAND BY
1	97719	—	6:00	6:17		9:28	7:45	
2			8:45					
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								

1st Load could not get back to job site after broke down to have TAG signed off!

FUEL GAL.	OIL GAL.	ONE WAY MILEAGE
		43

1. TIME LEFT FOR UNLOADING LAST LOAD — 6:17
2. TIME ARRIVED TO DUMP LAST LOAD — 7:28
3. NET RUNNING TIME LAST LOAD — (SUBTRACT 2 FROM 1) — 71
4. TIME FINISHED DUMP LAST LOAD — 7:45
5. TIME ALLOWED TO RETURN — LAST LOAD — (ADD 3 TO 4) — 8:46

OFFICE USE ONLY

TOTAL HOURS OR TONS	2.5
RATE PER HOUR OR TON	$ 60.00
SUBTOTAL	$ 150.00
SUR CHARGES	$
SALES TAX	$
BRIDGE FARE	$ 3.25
TOTAL CHARGES	$

START 6:00 AM — STOP 8:45 — DEDUCT TIME NONE — NET TIME 2 3/4

DRIVER Michael A. Tarango

RECEIVED BY X

ALL BILLS DUE AND PAYABLE BY THE 10TH OF THE MONTH A 1½% PER MONTH CHARGED ON LATE DUE ACCOUNTS. THIS IS AN ANNUAL PERCENTAGE RATE OF 18%. CUSTOMER WILL BE RESPONSIBLE FOR ALL COURT AND ATTORNEY COSTS FOR COLLECTION.

THESE CHARGES INCLUDE (1) FEES TO PAY FOR REGULATION OF TRANSPORTATION COMPANIES BY THE CALIFORNIA PUBLIC UTILITIES COMMISSION AND (2) TAXES PAID TO CALIFORNIA CITIES INSTEAD OF EXCISE OR BUSINESS LICENSE TAXES THEY COULD OTHERWISE IMPOSE

NOTICE: OUR DRIVERS WILL MAKE EVERY EFFORT TO PLACE MATERIAL WHERE CUSTOMER DESIGNATES, BUT THE COMPANY ASSUMES NO RESPONSIBILITY FOR DAMAGES INSIDE CURB OR PROPERTY LINE. NO CLAIMS ALLOWED UNLESS MADE WHEN MATERIAL IS DELIVERED AND RECEIPTED FOR

- 10 Wheelers
- Water Trucks
- End Dumps
- Transfers
- Semi-Bottoms
- Quarry Products
- Debris Boxes & Roll-Offs
- Common Carrier
- Contract Carrier
- Dirt Permit
- Contaminated Waste Hauler
- Flat Beds
- Rock
- Sand
- High Sides
- Top Soil

DELLAFOSSE TRUCKING, INCORPORATED

P.O. Box 1622, Union City, California 94587

OFFICE: (510) 487-3397
MOBILE: (510) 612-1772
FAX: (510) 487-3446
BEEPER: (510) 864-3890

Nº 23301

FREIGHT BILL

RENTALS
- Backhoe
- Skip Loader
- 950 Loader
- Transport
- Zeeman Trailers
- 5 & 8 Ton Roller

PUC #	P.O. #	JOB #	DISTANCE RATE NOTICE #	DATE
138896				

BILL TO	SHIPPER (RECEIVED FROM)	CONSIGNED TO
ALPHA Geo Services	Alpha Geo Services	Redwood Landfill
STREET OR BOX	STREET OR BOX	STREET OR BOX
	E. 36th & E. 14th	
CITY/STATE	CITY/STATE	CITY/STATE
	Oakland, Cal	Novato, Ca.

COMMODITY	ORIGIN/PRODUCTION AREA	DESTINATION/DELIVERY ZONE	TRAILER OWNER
Off-Haul	Oakland, Cal.	Hamilton Dumps	E.B. Mees & Sons

PRIME CARRIER	UNDERLYING CARRIER	TYPE LOADING
Dellafosse Trk's.	E.B. Mees & Sons Trk's.	☐ BUNKER
PRIME CARRIER ADDRESS	ADDRESS	☐ LOWER
Union City Cal.	60 King Ave. - 745 3[illegible]	

	TAG NO.	WEIGHT	LOADING ARRIVE	LOADING DEPART	STAND BY TIME	UNLOADING ARRIVE	UNLOADING DEPART	STAND BY TIME	BRIDGE CHARGE
1	97337	15 yds.	6:~~30~~	6:20		7:20	7:40	+ [illegible]	
2		Dirt							
3	11331	14 yds	8:30	8:45		9:45	10:00	+ [illegible]	
4		Dirt							
5		14 yds.	11:~~15~~	11:35		12:45	1[illegible]	+ [illegible]	
6	97972	Dirt							
7			~~2:45~~						
8									
9	Off Haul	Concrete	3:15	3:30		5:00	5:15	←	Haul
10		+ Asphalt							Load
11				6:15					Miles
12									Bridge
13									2.25
14									2.25
15									3.25
16									24.75
17									
18									

TERMS: NET DUE AND PAYABLE 10 DAYS AFTER DATE OF INVOICE.
"These charges include (1) fees to pay for regulations of transportation companies by the California Public Utilities Commission and (2) taxes paid to California cities instead of excise or business license taxes they could otherwise impose."
NOTE: We make deliveries inside curb lines and on the lot at customer's risk only and accept no responsibility for any damages resulting from such deliveries.
In the event this bill is not paid when due – the person to whom those services and equipment are furnished forthwith agrees to pay all cost of collection – including attorney fees.
NOTICE – Our drivers will make every effort to place material where customer designates, however, our company cannot assume responsibility for damages inside curb or property line. No claims allowed unless made at the time material is delivered and receipt for same is taken.

INITIAL HERE FOR NO LUNCH

FOR OFFICE USE ONLY

TOTAL STAND-BY

TOTAL BRIDGE CHARGE 24.75

TOTAL TONS

HOURLY RATE – TONNAGE 12.3 @60.64 12.4

TOTAL CHARGES 746.12 Bridge 24.75

LENGTH GREATER THAN 56' ☐ YES ☐ NO	NUMBER OF AXLES: 5-Semi	DISPATCH TIME:	TIME DRIVER REPORTED FOR WORK: 6:30		
TRUCK NO. 11-5	DBL. BOTTOM	TIME DRIVER STARTED: 6:30 A.M. – 5:15 P.M.			
TRAILER NO. 11-6	SEMI BOTTOM	STARTING TIME OF LAST TRIP	STARTING TIME UNLOADING LAST LOAD	OVERALL TIME INCLUDING RETURN TRIP	11:15
ALLOWED WEIGHT 73,760	HIGH SIDES	ENDING TIME OF LAST TRIP	ENDING TIME UNLOADING LAST LOAD	DEDUCTIBLE TIME	–
TARE WEIGHT	FLAT BEDS	RUNNING TIME OF LAST TRIP	ELAPSED TIME UNLOADING LAST LOAD	NET CHARGEABLE TIME	12.4
LEGAL PAYLOAD CAP/LBS.	SEMI END X	Driver's Signature: [illegible]		Customer's Signature	
	ROLL OFFS				
	10-WHEELER				
	DEBRIS BOXES				
	TRANSFER				
	CAPACITY IN C.Y. 20				

White: Office; Green: Office; Yellow: Office; Pink: Contractor; Gold: Trucker/ Driver

PLEASE PRESS HARD – 5 COPIES

SEP – 2 1993

Darryl Gray Trucking

6852 SINGLETREE CT. PLEASANTON, CA. 94588

TELEPHONE BUS. (510) 846-9190

P.U.C. #T-156-433
B.E. #21-680349

TRUCK NO 55 TRAILER NO 55T NO CU YDS _____ DATE 2-17

UNDERLYING CARRIER _____ DISTANCE RATE NOTICE NO & DATE _____

RECEIVED FROM (CONSIGNOR)	DELIVERED TO (CONSIGNEE)
Alpha Hz Services	Alpha Hz Service
ADDRESS E 14th & 20TH	ADDRESS Redwood Landfill
CITY Oakland	CITY Novato

NAME AND ADDRESS OF DEBTOR (IF OTHER THAN CONSIGNOR) _____ JOB NO

(ZONE RATES ONLY) FOR USE WITH DISTANCE OR ZONE RATES (DISTANCE RATES ONLY)

PRODUCTION AREA LETTER | PRECISE POINT OF ORIGIN: Oakland | DISTANCE IN MILES

DELIVERY ZONE NO | PRECISE POINT OF DESTINATION: Novato

	TYPE OF MATERIAL	TAG NUMBER	WEIGHT	LOADING TIME IN	LOADING TIME OUT	UNLOADING TIME IN	UNLOADING TIME OUT
1	Off Haul	15813	~~20~~ yds	700	715	800	815
2	11		18 yds	915	945	1030	1132
3							
4							
5							
6							
7							
8							
9							

NUMBER OF AXLES 5 | OVER 50 FEET BETWEEN FIRST AND LAST AXLE ☐ | TOTAL TONS:

COMMODITY TRANSPORTED Off Haul | TYPE OF LOADING AT ORIGIN POWER ☒ HAND ☐ OTHER ☐

TIME DRIVER REPORTED FOR WORK 700 | LOCATION AT WHICH DRIVER REPORTED FOR WORK

A STARTING TIME OF LAST TRIP	645	B STARTING TIME OF UNLOADING OF LAST TRIP		C OVERALL TIME (FROM THE REPORTING FOR WORK TO START OF LAST TRIP PLUS DOUBLE RUNNING TIME OF LAST TRIP PLUS UNLOADING TIME OF LAST LOAD.)	4.5
ENDING TIME OF LAST TRIP	1115	ENDING TIME OF UNLOADING TIME OF LAST TRIP		D DEDUCTIBLE TIME FOR MEALS OR FAILURE OF CARRIER EQUIPMENT	0
ELAPSED TIME OF THE RUNNING TIME OF LAST TRIP	4.5	ELAPSED TIME OF THE UNLOADING TIME OF LAST TRIP		NET CHARGEABLE TIME	4.5

REMARKS:

		CHARGES
APPLICABLE HOURLY RATE	66.66	299.97
RATE IN CENTS PER TON		
ACCESSORIAL SERVICES (OTHER CHARGES)	Demurr	10.50
TOTAL		299.97

TERMS: DEBTOR AGREES TO PAY ANY LEGAL FEES, COURT COSTS FOR COLLECTION OF DELINQUENT ACCOUNTS. STATED RATE OF INTEREST WILL BE CHARGED FOR ALL PAST DUE ACCOUNTS. TITLE TO MATERIAL PASSES TO CONSIGNEE UPON RECEIPT BY CONSIGNOR F.O.B. PLANT. TRANSPORTATION CHARGES IN ACCORDANCE WITH PUC REGULATIONS. PUC REQUIRES PAYMENT FOR THESE CHARGES NOT LATER THAN 15 DAYS FROM BILLING DATE. A FINANCE CHARGE OF 1½% PER MONTH (WHICH IS EQUAL TO 18% PER YEAR) WILL BE CHARGED ON ALL PAST DUE ACCOUNTS.

Felipe Mijuk

RECEIVED IN GOOD CONDITION BY AUTHORIZED REPRESENTATIVE

WE MAKE ALL DELIVERIES INSIDE CURB AND ON LOT AT CUSTOMER'S RISK ONLY AND ACCEPT NO RESPONSIBILITY FOR DAMAGES RESULTING FROM SUCH DELIVERY.

DRIVER'S SIGNATURE

Bridge Pass

L. TARANGO TRUCKING

P.O. BOX 1919
PITTSBURG, CA 94565
(510) 757-2109
CAL T 155427

SHIPPING ORDER and FREIGHT BILL

Date 8 / 16 19 93

TRUCK NO. L-20 TRAILER NO. 5728

SUB HAULER Lopez & Son

TYPE OF LOADING: ☐ BELT ☐ BUNKER ☐ HAND ☒ POWER

TYPE OF HAUL: ☒ TRANSFER ☐ SEMIS ☐ BOTTOMS ☐ TEN YARD

PRIME CARRIER

TAG NO.

☐ SHIPPER ☐ CONTRACTOR Alfa Exc

CONSIGNEE

POINT OF ORIGIN 14th & 36th st

DESTINATION Redwood land fill

CITY oakland

CITY Novato

MATERIALS Fill

P.O. NO.

NO	SCALE TAG NO	YARDS OR WEIGHT	LOADING TIME ARRIVE	LOADING TIME LEAVE	OFFICE USE NET STAND BY	UNLOADING TIME ARRIVE	UNLOADING TIME LEAVE	OFFICE USE NET STAND BY
1	97720	18yds	6:15	6:30		7:35	8:00	
2	97760	16yds	900	920		1030	1100	
3	97793	18yds	1200	1215		125	145	
4								
5								
6								
7								
8								
9			Stated Loading at					
10			615					
11								
12								
13			Bridge # 2475					
14								
15								
16			Work through					
17			Lunch					

FUEL GAL.	OIL GAL.	ONE WAY MILEAGE

1. TIME LEFT FOR UNLOADING LAST LOAD 1215
2. TIME ARRIVED TO DUMP LAST LOAD — 125
3. NET RUNNING TIME LAST LOAD — (SUBTRACT 2 FROM 1) 1 hr 10 min
4. TIME FINISHED DUMP LAST LOAD —
5. TIME ALLOWED TO RETURN — LAST LOAD — (ADD 3 TO 4)

OFFICE USE ONLY

TOTAL HOURS OR TONS	
RATE PER HOUR OR TON	$
SUBTOTAL	$
SUR CHARGES	$
SALES TAX	$
BRIDGE FARE	$ 24 75
TOTAL CHARGES	$

START 615 STOP 245 DEDUCT TIME 0 T.U NET TIME 8 1/2

DRIVER L Luer

RECEIVED BY X Felipe

BILLS DUE AND PAYABLE BY THE 10TH OF THE MONTH. A 1½% PER MONTH CHARGED ON PAST ACCOUNTS. THIS IS AN ANNUAL PERCENTAGE RATE OF 18%. CUSTOMER WILL BE RESPONSIBLE FOR ALL COURT AND ATTORNEY COSTS FOR COLLECTION.

THESE CHARGES INCLUDE (1) FEES TO PAY FOR REGULATION OF TRANSPORTATION COMPANIES BY THE CALIFORNIA PUBLIC UTILITIES COMMISSION AND (2) TAXES PAID TO CALIFORNIA CITIES INSTEAD OF EXCISE OR BUSINESS LICENSE TAXES THEY COULD OTHERWISE IMPOSE

NOTICE: OUR DRIVERS WILL MAKE EVERY EFFORT TO PLACE MATERIAL WHERE CUSTOMER DESIGNATES, BUT THE COMPANY ASSUMES NO RESPONSIBILITY FOR DAMAGES INSIDE CURB OR PROPERTY LINE. NO CLAIMS ALLOWED UNLESS MADE WHEN MATERIAL IS DELIVERED AND RECEIPTED FOR.

Bridge Pass

L. TARANGO TRUCKING

P.O. BOX 1919
PITTSBURG, CA 94565
(510) 757-2109
CAL T 155427

SHIPPING ORDER and FREIGHT BILL

Date 8 / 13 19 93

TRUCK NO. 8 TRAILER NO. 8A

SUB HAULER FLANDERS TRK Inc

TYPE OF LOADING: ☐ BELT ☐ BUNKER ☐ HAND ☑ POWER

TYPE OF TRUCK: ☑ TRANSFER ☐ SEMIS ☐ BOTTOMS ☐ TEN YARD

PRIME CARRIER: L-Tarango

TAG NO.

CONSIGNEE: Redwood Landfill

☐ SHIPPER ☑ CONTRACTOR: Alpha Geo

DESTINATION: 101 North

POINT OF ORIGIN: 36th & East 14th

CITY: Novato

CITY: Oakland

P.O. NO.

MATERIALS: Soil

NO	SCALE TAG NO	YARDS OR WEIGHT	LOADING TIME ARRIVE	LOADING TIME LEAVE	LOADING OFFICE USE NET STAND BY	UNLOADING TIME ARRIVE	UNLOADING TIME LEAVE	UNLOADING OFFICE USE NET STAND BY
1	97506	18yds	8:00 am	8:30		9:35	9:55	
2	545	11	10:50	11:15		12:20	12:45	
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								

FUEL GAL.	OIL GAL.	ONE WAY MILEAGE

1. TIME LEFT FOR UNLOADING LAST LOAD — 11:15
2. TIME ARRIVED TO DUMP LAST LOAD — 12:20
3. NET RUNNING TIME LAST LOAD — (SUBTRACT 2 FROM 1) — 1 hr
4. TIME FINISHED DUMP LAST LOAD — 12:45 pm
5. TIME ALLOWED TO RETURN — LAST LOAD — (ADD 3 TO 4) — 1 hr

OFFICE USE ONLY

TOTAL HOURS OR TONS	5.8
RATE PER HOUR OR TON	$ 60.60
SUBTOTAL	$ 351.82
SUR CHARGES	$
SALES TAX	$
2 BRIDGE FARE	$ 16.50
AUG 27	
TOTAL CHARGES	$

START 8:00 STOP 1:45 pm DEDUCT TIME 45 NET TIME 5 3/4 hr

DRIVER Leon W Flanders

RECEIVED BY X

ALL BILLS DUE AND PAYABLE BY THE 10TH OF THE MONTH. A 1½% PER MONTH CHARGED ON PAST DUE ACCOUNTS. THIS IS AN ANNUAL PERCENTAGE RATE OF 18%. CUSTOMER WILL BE RESPONSIBLE FOR ALL COURT AND ATTORNEY COSTS FOR COLLECTION.

THESE CHARGES INCLUDE (1) FEES TO PAY FOR REGULATION OF TRANSPORTATION COMPANIES BY THE CALIFORNIA PUBLIC UTILITIES COMMISSION AND (2) TAXES PAID TO CALIFORNIA CITIES INSTEAD OF EXCISE OR BUSINESS LICENSE TAXES THEY COULD OTHERWISE IMPOSE

NOTICE: OUR DRIVERS WILL MAKE EVERY EFFORT TO PLACE MATERIAL WHERE CUSTOMER DESIGNATES, BUT THE COMPANY ASSUMES NO RESPONSIBILITY FOR DAMAGES INSIDE CURB OR PROPERTY LINE. NO CLAIMS ALLOWED UNLESS MADE WHEN MATERIAL IS DELIVERED AND RECEIPTED FOR

Bridge Pass

Date 8/16 19 93

TRUCK NO. 133 TRAILER NO. 133A

SUB HAULER

L. TARANGO TRUCKING

P.O. BOX 1919
PITTSBURG, CA 94565
(510) 757-2109
CAL T 155427

SHIPPING ORDER and FREIGHT BILL

TYPE OF LOADING: ☐ BELT ☐ BUNKER ☐ HAND ☒ POWER

TYPE OF TRUCK: ☒ TRANSFER ☐ SEMIS ☐ BOTTOMS ☐ TEN YARD

PRIME CARRIER L Tarango

TAG NO.

☐ SHIPPER ☐ CONTRACTOR APA Geo, Soil

POINT OF ORIGIN 36th at, 14th Ave

CITY Oakland

CONSIGNEE

DESTINATION 89.50 Railroad Ave

CITY Newark

P.O. NO.

MATERIALS Dirt

NO	SCALE TAG NO	YARDS OR WEIGHT	LOADING TIME ARRIVE	LOADING TIME LEAVE	OFFICE USE NET STAND BY	UNLOADING TIME ARRIVE	UNLOADING TIME LEAVE	OFFICE USE NET STAND BY
(1)		20 yd	7:30	7:50		8:50	9:15	
(2)		20 yd	10:05	10:30		11:30	11:45	
3			12:45					
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								

FUEL GAL.	OIL GAL.	ONE WAY MILEAGE

1. TIME LEFT FOR UNLOADING LAST LOAD
2. TIME ARRIVED TO DUMP LAST LOAD —
3. NET RUNNING TIME LAST LOAD — (SUBTRACT 2 FROM 1)
4. TIME FINISHED DUMP LAST LOAD —
5. TIME ALLOWED TO RETURN — LAST LOAD — (ADD 3 TO 4)

OFFICE USE ONLY

TOTAL HOURS OR TONS	5.3
RATE PER HOUR OR TON	$
SUBTOTAL	$ 1.00
SUR CHARGES	$
SALES TAX	$
2 BRIDGE FARE	$ 16.50
ADD 16	
TOTAL CHARGES	$

START 7:30 STOP 12:45 DEDUCT TIME 0 NET TIME 5 1/4

DRIVER John Tarango

RECEIVED BY X Elaine [illegible]

BILLS DUE AND PAYABLE BY THE 10TH OF THE MONTH. A 1½% PER MONTH CHARGED ON PAST ACCOUNTS THIS IS AN ANNUAL PERCENTAGE RATE OF 18%. CUSTOMER WILL BE LIABLE FOR ALL COURT AND ATTORNEY COSTS FOR COLLECTION.

THESE CHARGES INCLUDE (1) FEES TO PAY FOR REGULATION OF TRANSPORTATION COMPANIES BY THE CALIFORNIA PUBLIC UTILITIES COMMISSION AND (2) TAXES PAID TO CALIFORNIA CITIES INSTEAD OF EXCISE OR BUSINESS LICENSE TAXES THEY COULD OTHERWISE IMPOSE

NOTICE: OUR DRIVERS WILL MAKE EVERY EFFORT TO PLACE MATERIAL WHERE CUSTOMER DESIGNATES, BUT THE COMPANY ASSUMES NO RESPONSIBILITY FOR DAMAGES TO CURB OR PROPERTY LINE. NO CLAIMS ALLOWED UNLESS MADE WHEN MATERIAL IS DELIVERED AND RECEIPTED FOR.

OFFICE

Bridge Pass

Date 8/13/19 93

TRUCK NO. 133 TRAILER NO. 133A

SUB HAULER

L. TARANGO TRUCKING

P.O. BOX 1919
PITTSBURG, CA 94565
(510) 757-2109
CAL T 155427

SHIPPING ORDER and FREIGHT BILL

TYPE OF LOADING: [ ] BELT [ ] BUNKER [ ] HAND [X] POWER

TYPE OF TRUCK: [X] TRANSFER [ ] SEMIS [ ] BOTTOMS [ ] TEN YARD

PRIME CARRIER: L Tarango

[ ] SHIPPER [X] CONTRACTOR: AlphaGeo, Soil Tech. Engineering

POINT OF ORIGIN: 36th st, 14th Ave

CITY: Oakland

TAG NO.

CONSIGNEE

DESTINATION: 8950 Redwood Hwy, 101

CITY: Novato

P.O. NO.

MATERIALS: Dirt

NO	SCALE TAG NO.	YARDS OR WEIGHT	LOADING TIME ARRIVE	LOADING TIME LEAVE	OFFICE USE NET STAND BY	UNLOADING TIME ARRIVE	UNLOADING TIME LEAVE	OFFICE USE NET STAND BY
1			7:45	8:10		9:28	9:40	
2			10:32	10:50		11:45	12:15	
3			1115					
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								

FUEL GAL.	OIL GAL.	ONE WAY MILEAGE

1. TIME LEFT FOR UNLOADING LAST LOAD — 10:50
2. TIME ARRIVED TO DUMP LAST LOAD — 11:45
3. NET RUNNING TIME LAST LOAD — (SUBTRACT 2 FROM 1) 55m
4. TIME FINISHED DUMP LAST LOAD — 12:15
5. TIME ALLOWED TO RETURN — LAST LOAD — (ADD 3 TO 4) 1:15

OFFICE USE ONLY

TOTAL HOURS OR TONS	5.5
RATE PER HOUR OR TON	$
SUBTOTAL	$
SUR CHARGES	$
SALES TAX	$
2 BRIDGE FARE	$ 16.50
TOTAL CHARGES	$

START 7:45 STOP 12:15 DEDUCT TIME 0 NET TIME 5 1/2

DRIVER [signature]

RECEIVED BY X [signature]

ALL BILLS DUE AND PAYABLE BY THE 10TH OF THE MONTH A 1½% PER MONTH CHARGED ON PAST DUE ACCOUNTS THIS IS AN ANNUAL PERCENTAGE RATE OF 18%. CUSTOMER WILL BE RESPONSIBLE FOR ALL COURT AND ATTORNEY COSTS FOR COLLECTION.

THESE CHARGES INCLUDE (1) FEES TO PAY FOR REGULATION OF TRANSPORTATION COMPANIES BY THE CALIFORNIA PUBLIC UTILITIES COMMISSION AND (2) TAXES PAID TO CALIFORNIA CITIES INSTEAD OF EXCISE OR BUSINESS LICENSE TAXES THEY COULD OTHERWISE IMPOSE

NOTICE: OUR DRIVERS WILL MAKE EVERY EFFORT TO PLACE MATERIAL WHERE CUSTOMER DESIGNATES, BUT THE COMPANY ASSUMES NO RESPONSIBILITY FOR DAMAGES INSIDE CURB OR PROPERTY LINE. NO CLAIMS ALLOWED UNLESS MADE WHEN MATERIAL IS DELIVERED AND RECEIPTED FOR.

OFFICE

Bridge Pass 3670034

Date 8/13/19 93

TRUCK NO. 572710 TRAILER NO. A

SUB HAULER

L. TARANGO TRUCKING

P.O. BOX 1919
PITTSBURG, CA 94565
(510) 757-2109
CAL T 155427

SHIPPING ORDER and FREIGHT BILL

TYPE OF LOADING: [ ] BELT [ ] BUNKER [ ] HAND [X] POWER

TYPE OF TRUCK: [X] TRANSFER [ ] SEMIS [ ] BOTTOMS [ ] TEN YARD

PRIME CARRIER L. TARANGO TAG NO. 16706

[ ] SHIPPER [X] CONTRACTOR ALEA - Geo

POINT OF ORIGIN 36th & E. 14th ST

CITY OAKLAND, CA

CONSIGNEE

DESTINATION Hiway 101 & Redwood Hiway

CITY NOVATO, CA

P.O. NO. (Redwood Landfill)

MATERIALS DIRT

NO	SCALE TAG NO	YARDS OR WEIGHT	LOADING TIME ARRIVE	LOADING TIME LEAVE	LOADING OFFICE USE NET STAND BY	UNLOADING TIME ARRIVE	UNLOADING TIME LEAVE	UNLOADING OFFICE USE NET STAND BY
1	97466		600	620		720	735	
2	97512		835	855		956	1012	
3	97550		1108	1140		1240	100	
4			200					
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17						F&M		

FUEL	OIL	ONE WAY MILEAGE
54 GAL.	0 GAL.	43

1. TIME LEFT FOR UNLOADING LAST LOAD 1140
2. TIME ARRIVED TO DUMP LAST LOAD — 1140
3. NET RUNNING TIME LAST LOAD — (SUBTRACT 2 FROM 1) 60
4. TIME FINISHED DUMP LAST LOAD — 100
5. TIME ALLOWED TO RETURN — LAST LOAD — (ADD 3 TO 4) 200

OFFICE USE ONLY

TOTAL HOURS OR TONS	
RATE PER HOUR OR TON	$
SUBTOTAL	$
SUR CHARGES	$
SALES TAX	$
3 BRIDGE FARE	$ 24.75
TOTAL CHARGES	$

START 6:00 AM STOP 2:00 PM DEDUCT TIME 1 HOUR NET TIME 8

DRIVER Michael A. Tarango

RECEIVED BY X Felipe Miguel

ALL BILLS DUE AND PAYABLE BY THE 10TH OF THE MONTH. A 1½% PER MONTH CHARGED ON PAST DUE ACCOUNTS THIS IS AN ANNUAL PERCENTAGE RATE OF 18% CUSTOMER WILL BE RESPONSIBLE FOR ALL COURT AND ATTORNEY COSTS FOR COLLECTION.

THESE CHARGES INCLUDE (1) FEES TO PAY FOR REGULATION OF TRANSPORTATION COMPANIES BY THE CALIFORNIA PUBLIC UTILITIES COMMISSION AND (2) TAXES PAID TO CALIFORNIA CITIES INSTEAD OF EXCISE OR BUSINESS LICENSE TAXES THEY COULD OTHERWISE IMPOSE

NOTICE: OUR DRIVERS WILL MAKE EVERY EFFORT TO PLACE MATERIAL WHERE CUSTOMER DESIGNATES, BUT THE COMPANY ASSUMES NO RESPONSIBILITY FOR DAMAGES INSIDE CURB OR PROPERTY LINE. NO CLAIMS ALLOWED UNLESS MADE WHEN MATERIAL IS DELIVERED AND RECEIPTED FOR.

OFFICE

Dirty Girl Trucking
6852 SINGLETREE CT. PLEASANTON, CA. 94588
TELEPHONE BUS. (510) 846-9190

20562

PUC #T-156 433
B.E. #21-680349

TRUCK NO 241 TRAILER NO T3?1 DATE 3/13/97

UNDERLYING CARRIER

DISTANCE RATE NOTICE NO & DATE

RECEIVED FROM (CONSIGNOR) AlPha Geo Sems.	DELIVERED TO (CONSIGNEE) Livermore Land Fill
ADDRESS 3647 E 14th	ADDRESS
CITY Oakland	CITY Livermore

NAME AND ADDRESS OF DEBTOR IF OTHER THAN CONSIGNOR

JOB NO

ZONE RATES ONLY	FOR USE WITH DISTANCE OR ZONE RATES	DISTANCE RATES ONLY
PRODUCTION AREA LETTER	PRO'S IN POINT OF ORIGIN	DISTANCE IN MILES
DELIVERY ZONE NO	PRO'S IN POINT OF DESTINATION	

	TYPE OF MATERIAL	TAG NUMBER	WEIGHT	LOADING TIME IN	LOADING TIME OUT	UNLOADING TIME IN	UNLOADING TIME OUT
1	Dirty Dirt	18465	97538	1000	1030	1130	1150
2	Dirty Dirt	18465	97565	1240	100	200	220
3							
4							
5							
6							
7	Bridge # 1650						
8							
9							

NUMBER OF AXLES 5 OVER 36 FEET BETWEEN FIRST AND LAST AXLE ☒ TOTAL TONS:

COMMODITY TRANSPORTED Dirty Dirt off Haul TYPE OF LOADING POWER ☒ HAND ☐ OTHER ☐

TIME DRIVER REPORTED FOR WORK 1000 LOCATION AT WHICH DRIVER REPORTED FOR WORK

A STARTING TIME OF LAST TRIP	100	B STARTING TIME OF UNLOADING OF LAST TRIP	200	C OVERALL TIME (FROM TIME REPORTING FOR WORK TO START OF LAST TRIP PLUS DOUBLE RUNNING TIME OF LAST TRIP PLUS UNLOADING TIME OF LAST LOAD)	5.4
ENDING TIME OF LAST TRIP	200	ENDING TIME OF UNLOADING TIME OF LAST TRIP	220	D DEDUCTIBLE TIME FOR MEALS OR FAILURE OF CARRIER EQUIPMENT	
ELAPSED TIME OF THE RUNNING TIME OF LAST TRIP	60 min	ELAPSED TIME OF THE UNLOADING TIME OF LAST TRIP	20 min	NET CHARGEABLE TIME	5.4

REMARKS:

	RATE	CHARGES
APPLICABLE HOURLY RATE	60.66	327.56
RATE IN CENTS PER MILE		
Bridge OTHER CHARGES		16.50
TOTAL		

TERMS: DEBTOR AGREES TO PAY ANY LEGAL FEES COURT COSTS FOR COLLECTION OF DELINQUENT ACCOUNTS STATED RATE OF INTEREST WILL BE CHARGED FOR ALL PAST DUE ACCOUNTS TITLE TO MATERIAL PASSES TO CONSIGNEE UPON RECEIPT BY CONSIGNOR F.O.B. PLANT TRANSPORTATION CHARGES IN ACCORDANCE WITH PUC REGULATIONS PUC REQUIRES PAYMENT FOR THESE CHARGES NOT LATER THAN 15 DAYS FROM BILLING DATE A FINANCE CHARGE OF 1½% PER MONTH (WHICH IS EQUAL TO 18% PER YEAR) WILL BE CHARGED ON ALL PAST DUE ACCOUNTS

Received in good order by the above consignee

WE MAKE ALL DELIVERIES INSIDE CURB AND ON LOT AT CUSTOMER'S RISK ONLY AND ACCEPT NO RESPONSIBILITY FOR DAMAGES RESULTING FROM SUCH DELIVERY

Signature of consignor

Bridge Pass

L. TARANGO TRUCKING

P.O. BOX 1919
PITTSBURG, CA 94565
(510) 757-2109
CAL T 155427

SHIPPING ORDER and FREIGHT BILL

Date 8/13/93

TRUCK NO. 107 TRAILER NO. 703A

SUB HAULER L. TARANGO TKG.

TYPE OF LOADING: [ ] BELT [ ] BUCKET [ ] HAND [X] POWER

TYPE OF TRUCK: [ ] TRANSFER [X] SEMIS [ ] BOTTOMS [ ] TEN YARD

PRIME CARRIER L. TARANGO TKG. TAG NO. 16336

SHIPPER / CONTRACTOR ALPHA - GEO

POINT OF ORIGIN E. 14TH ST. + 36 AVE.

CITY OAKLAND, CA.

CONSIGNEE ALPHA - GEO.

DESTINATION (REDWOOD LANDFILL) HWY. #101 N +

CITY NOVATO, CA.

P.O. NO.

MATERIALS: FILL

NO	SCALE TAG NO	YARDS OR WEIGHT	LOADING TIME ARRIVE	LOADING TIME LEAVE	LOADING OFFICE USE NET STAND BY	UNLOADING TIME ARRIVE	UNLOADING TIME LEAVE	UNLOADING OFFICE USE NET STAND BY
1	~~Fill~~ 5117	20 YDS.	7:30	7:45		8:50	8:55	
2	Fill	"	10:00	10:02		11:07	11:15	
3	"	"	12:20	12:45		1:50	1:55	
4			3:00					
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								

FUEL GAL.	OIL GAL.	ONE WAY MILEAGE
		38.9

1. TIME LEFT FOR UNLOADING LAST LOAD	12:45
2. TIME ARRIVED TO DUMP LAST LOAD —	1:50
3. NET RUNNING TIME LAST LOAD — (SUBTRACT 2 FROM 1)	1:05
4. TIME FINISHED DUMP LAST LOAD —	1:55
5. TIME ALLOWED TO RETURN — LAST LOAD — (ADD 3 TO 4)	3:00

OFFICE USE ONLY

TOTAL HOURS OR TONS	
RATE PER HOUR OR TON	$
SUBTOTAL	$
SUR CHARGES	$
SALES TAX	$
BRIDGE FARE	$ 24.75
TOTAL CHARGES	$

START 7:30 STOP 3:00 DEDUCT TIME 0 NET TIME 7.5 HRS

DRIVER John

RECEIVED BY X Felipe Vigas

ALL BILLS DUE AND PAYABLE BY THE 10TH OF THE MONTH A 1½% PER MONTH CHARGED ON PAST DUE ACCOUNTS. THIS IS AN ANNUAL PERCENTAGE RATE OF 18%. CUSTOMER WILL BE RESPONSIBLE FOR ALL COURT AND ATTORNEY COSTS FOR COLLECTION

THESE CHARGES INCLUDE (1) FEES TO PAY FOR REGULATION OF TRANSPORTATION COMPANIES BY THE CALIFORNIA PUBLIC UTILITIES COMMISSION AND (2) TAXES PAID TO CALIFORNIA CITIES INSTEAD OF EXCISE OR BUSINESS LICENSE TAXES THEY COULD OTHERWISE IMPOSE

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