

REMOVAL OF UNDERGROUND STORAGE TANKS

**WHITMORE AUTO SERVICE
1701 BUENA VISTA AVENUE
ALAMEDA, CALIFORNIA**

Prepared for:

**Mr. Louis Whitmore
1701 Buena Vista Avenue
Alameda, California 94501**

Prepared by:

**GEO PACIFIC ENVIRONMENTAL
1581 San Andreas Road
La Selva Beach, CA 95076 (408) 730-1852**

October 17, 2002

Geo Pacific Environmental
1581 San Andreas Road
La Selva Beach, California 95076

Mr. Louis Whitmore
1701 Buena Vista Avenue
Alameda, California 94501

October 17, 2002

RE: Removal of underground storage tanks
Whitmore Auto Service
1701 Buena Vista Avenue
Alameda, California

Alameda County
DEC 05 2002
Environmental Health

Dear Mr. Whitmore,

On August 28 and 29, 2002 Geo Pacific Environmental and Triton Construction removed four underground storage tanks from the referenced property. The scope of work included: excavation, removal and transportation/disposal of the USTs, collection of soil samples and one water sample, providing for analysis of the samples, and preparation of this report.

Laboratory analytical results for water and soil samples collected after removal of the USTs indicate elevated levels of petroleum hydrocarbon products. This report summarizes the tank removals, subsurface sampling, laboratory analytical results for the collected samples, and our conclusions and recommendations.

We recommend that copies of this report be submitted to:

- 1) Alameda County Health Agency/Dept. of Environmental Health
Attn: Senior Hazardous Materials Specialist Robert Weston
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502
- 2) Alameda County Health Agency/Dept. of Environmental Health
Attn: Senior Hazardous Materials Specialist Eva Chu
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502
- 3) City of Alameda Fire Prevention Bureau
Attn: Fire Inspector Bill Oyas
950 West Mall Square, Suite 150
Alameda, CA 94501

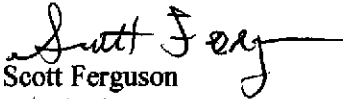
Thank you for the opportunity to be of service; please call if you have any questions or need additional information.

Sincerely,

Geo Pacific Environmental



Jack Forsythe
Project Geologist



Scott Ferguson
Principal

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REMOVAL OF UNDERGROUND STORAGE TANKS

WHITMORE AUTO SERVICE
1701 BUENA VISTA AVENUE
ALAMEDA, CALIFORNIA

1.0 INTRODUCTION

This report describes the removal of four, single-wall underground storage tanks (USTs) at Whitmore Auto Service, 1701 Buena Vista Avenue, Alameda, California; the work occurred August 28 and 29, 2002. The station currently performs various light mechanical automobile service/repair. Land in the vicinity of the site is mixed residential/commercial. The project location is shown on Figure 1, Site Location Map, and Figure 2, Site Plan, depicts the general layout of the site.

Three of the tanks were approximately 8000-gallon capacity; two of these stored unleaded gasoline, the third stored diesel fuel. The fourth tank was approximately 100-gallon capacity, and stored waste oil. The exact installation date of the tanks is unknown; according to Mr. Louis Whitmore, current owner of the property, the 8000-gallon tanks were installed between 1982 and 1984, and the 100-gallon tank was installed in approximately 1949. Each of the removed tanks was steel single-wall construction. The 8000-gallon tanks were wrapped with tar paper.

Two tank-removal pits were dug: the 8000-gallon tanks were removed from a single large pit; the 100-gallon tank was removed from a separate pit (Figure 2). Following removal of the tanks, soil samples were collected from each excavation pit, from stockpiled soils, and from locations adjacent to two fuel service islands; additionally, a water sample was collected from a pool of groundwater on the floor of the large excavation (groundwater was not encountered in the smaller excavation).

2.0 PREPARATION FOR TANK REMOVAL

Excavation began on August 28, 2002. The concrete pad overlying the 8000-gallon USTs was broken, and subsurface soil was excavated from above and along the sides of the USTs. Two tank-removal pits were dug: the 8000-gallon tanks were removed from a single large pit; the 100-gallon tank was removed from a separate pit (Figure 2). Excavated soils primarily were stockpiled in the south-central section of the property.

The excavation pit where the 8000-gallon tanks were located was approximately 31 feet long by 30 feet wide, with a maximum depth of approximately 11 feet. Soils predominantly were medium-brown, fine- to medium-grained sand. Petroleum hydrocarbon odor and apparent stained soil were evident in some of the removed soils and excavation sidewalls (primarily northwest wall). Groundwater was encountered in the excavation pit. Petroleum sheen was not observed on the surface of the water.

The smaller excavation pit where the waste oil tank was located was approximately 7 feet long by 8 feet wide, with a maximum depth of approximately 6 feet. Soils consisted of mixed silt and fine- to medium-grained sand, with silts primarily encountered during later soil sampling to 7.5 feet below surface grade (bsg). Apparent stained soil was visible on sidewalls at approximately 4.5 feet bsg. Some of the excavated soils exhibited petroleum staining and strong odor; these soils were placed into two 55-gallon drums by Mr. Whitmore, to be stored on-site. Most of the removed soil was stockpiled in a small pile adjacent to the waste oil UST excavation. Groundwater was not encountered in the excavation pit.

3.0 TANK REMOVALS

On August 29, dry ice (carbon dioxide; CO₂) was inserted into each tank and given time to vaporize, to purge volatile vapors and render the tanks inert. Approximately 235 pounds of dry ice was inserted into each of the 8000-gallon tanks; approximately 45 pounds of dry ice was inserted into the 100-gallon tank (750 pounds total). Senior Hazardous Materials Specialist Robert Weston of the Alameda County Health Agency/Department of Environmental Health (ACDEH) and Fire Inspector Bill Oyas of the City of Alameda Fire Prevention Bureau were on-site to monitor the tank removals and collection of soil and groundwater samples. An explosimeter was used to measure the lower explosive limit (LEL) and oxygen level (OL) inside the tanks. Acceptable LEL/OL levels were attained in each tank, and the tanks were prepared for removal.

Each of the large USTs was removed by attaching a steel chain to the pick points on the tank and attaching this assembly to a crane. The crane then lifted each tank from the pit and placed it on a flatbed truck trailer for inspection/transport. Visual inspection of the tanks did not reveal indications of cracking or holes in any of the 8000-gallon tanks.

The waste oil UST was removed by attaching a steel chain to the tank and attaching this assembly to a backhoe. The backhoe then lifted the tank from the pit and placed it on a flatbed truck trailer for inspection/transport. Two small, approximately ¼ inch diameter holes were observed in the bottom of the 100-gallon tank, one at each end.

The tanks were loaded onto Ecology Control Industries (ECI) transport trucks (EPA #CAD982030173) and taken to the ECI facility located at 255 Parr Blvd., Richmond, California. At the ECI facility, the tanks were cut open, processed and destroyed.

4.0 SOIL AND GROUNDWATER SAMPLING

All samples were collected on August 29, 2002. The samples were retained in refrigerated storage, and transferred under chain of custody control to the laboratory on August 30, 2002. The samples were transported in a sealed, chilled ice chest. Copies of the chain of custody forms are included in Appendix B. Figure 3, Sampling Locations, shows approximate locations where samples were collected.

Soil samples were collected from native and stockpiled soils, in clean 2-inch diameter, 6-inch long brass or stainless-steel tubes. After a soil sample was collected, the sampling tube was sealed with Teflon sheets, capped with teflon lids, labeled and immediately placed in refrigerated storage.

Soil samples from the excavations were collected with the bucket of a backhoe: after scooping a bucket-load of soil from a designated location within each respective excavation, the backhoe then raised the bucket to surface level, where a sampling tube was hand-driven into the soil in the backhoe bucket. Soils within the central area of the backhoe bucket were sampled, to avoid possible cross-contamination from previous soils possibly adhering to the walls of the bucket.

Stockpile soil samples also were collected in hand-driven sampling tubes. A backhoe was not used for collection of stockpile samples; instead, at each sample location, approximately 12-18 inches of cover soil was removed by hand prior to sample collection.

During collection of each soil or water sample, sampling personnel wore latex gloves for personal protection and sample integrity; gloves were discarded after collection of a sample, and new gloves were donned prior to collection of the next sample.

4.1 Soil Sampling

Soil samples were collected from the northwest and southwest sidewalls of the large excavation, at the soil/groundwater interface, near where tank end-walls had been located. Four soil samples (T-1, T-2, T-3, T-4) were collected from the large excavation, each from an approximate depth of 7.5 feet bsg. One soil sample (W.O.) was collected from the floor of the smaller excavation near the center of the pit, also at an approximate depth of 7.5 feet bsg (approximately 18 inches below where the waste oil tank was located).

Soil samples also were collected beneath former locations of the product lines, adjacent to the fuel service islands, at approximately 18 inches bsg. Six product-line/service-island soil samples were collected, three from each of the two islands (I1-1, I1-2, I1-3; I2-1, I2-2, I2-3).

Soil samples were collected from the stockpile of soil removed from the large excavation. Six soil stockpile samples were collected (SP-1, SP-2, SP-3, SP-4, SP-5, SP-6), which were composited at the analytical laboratory into two composite samples (SP-1-SP-3 and SP-4-SP-6).

4.2 Groundwater Sampling

The water sample (Water-1) was collected from apparent groundwater, which formed a pool that covered part of the large-excavation floor. The sample was collected by lowering a new, disposable, teflon bailer into the pool of liquid and allowing the bailer to fill. The bailer was then extracted and the water sample decanted into laboratory-supplied containers. After each container was filled, it was immediately labeled and placed in refrigerated storage.

5.0 ANALYTICAL METHODS

All samples were analyzed by McCampbell Analytical of Pacheco, California. The laboratory is certified by the State of California Environmental Protection Agency, Department of Toxic Substances Control for the requested analyses. All samples were analyzed for total petroleum hydrocarbons (TPH) as gasoline (TPH-G) using EPA Method 5030/8015; purgeable aromatic compounds (benzene, toluene, ethylbenzene, and xylenes (BTEX), and methyl tertiary butyl ether (MTBE), using EPA Method 8021; and fuel oxygenates (including MTBE), using EPA Method 8260. With exception of 3 soil samples (T-1, T-2, T-3) from the large excavation, all samples were additionally analyzed for lead using EPA Method 6010/B200.9. Several samples were additionally analyzed for TPH as diesel (TPH-D) using EPA Method 3550/8015, including 3 soil samples (T-1, T-2, T-3) from the large excavation, and the soil sample (W.O.) from the waste oil tank excavation. Soil sample W.O. was additionally analyzed for the following: Oil and Grease using EPA Method 5520; polynuclear aromatic hydrocarbons (PAH/PNA), PCB and PCP using EPA Method 8270; and LUFT priority metals using EPA Method 6010.

6.0 ANALYTICAL RESULTS

The analytical results are presented in Tables 1 through 5. A copy of the laboratory report is included in Appendix B.

6.1 Excavation Soil Samples

Laboratory analytical results for soil samples collected from the sidewalls of the large excavation indicate the following ranges: TPH-G from 1200 parts per million (ppm) to 6000 ppm; TPH-D from 1500 ppm to 2800 ppm; benzene from ND<1 to 9.2 ppm; and low levels of toluene, ethylbenzene, and xylenes. Fuel oxygenates were not detected; however, laboratory dilution of the samples (apparently necessary due to high petroleum concentrations) increased the detection limits to minimum levels of 500 parts per billion (ppb) to 1,000,000 ppb.

Laboratory results for samples collected from stockpiled soils (from the large excavation), and composited at the lab (SP-1-SP-3 and SP-4-SP-6) indicate non-detect (ND) for one of the samples, and low levels of contaminants reported for the other.

Laboratory results for the soil sample (W.O.) from the waste oil tank excavation indicate low levels of TPH and BTEX constituents. Oil and Grease was reported at 720 ppm. Fuel oxygenates were not detected; however, laboratory dilution of the samples increased the detection limits to minimum levels of 10 ppb to 5000 ppb. Five volatile organics were reported, however, laboratory dilution of the samples increased the detection limits to minimum levels of 100 ppb to 1000 ppb; reported volatile organics include: n-Butyl benzene at 120 ppb; Naphthalene at 190 ppb; 1,2,4-Trimethylbenzene at 370 ppb; Xylenes at 190 ppb; and 1,3,5-Trimethylbenzene at 110 ppb. The laboratory also reported Chromium at 39 ppm, Nickel at 35 ppm, and Zinc at 24 ppm.

6.2 Service Island Soil Samples

Analytical results for soil samples collected below the former location of product lines adjacent to the fuel service islands indicate non-detection of contaminants for all samples, with the exception of low levels of lead.

6.3 Water Sample

Analytical results for the groundwater sample collected from the large excavation indicate the following: TPH-G at 13,000 ppb; toluene at 740 ppb; ethylbenzene at 290 ppb; xylenes at 1600 ppb; MTBE at 690 ppb and 930 ppb; t-Butyl alcohol (TBA) at 250 ppb (laboratory dilution of the sample increased the detection limits for other fuel oxygenates to minimum levels of 25 ppb to 25,000 ppb); and lead at 0.011 ppm.

7.0 CONCLUSIONS AND RECOMMENDATIONS

Generally elevated levels of petroleum hydrocarbon contamination were detected in soil samples collected from the tank excavations.

Elevated levels of petroleum hydrocarbon contamination also was reported for the groundwater sample, particularly TPH-G, MTBE, and benzene concentrations. We therefore recommend installation of groundwater monitoring wells at the site, and periodic (quarterly) collection of water samples to assess groundwater quality. To aid determination of the groundwater gradient and direction of flow, we recommend installation of at least three monitoring wells at the site, preferably installed in a roughly triangular pattern.

Following installation and sampling of the wells, we recommend a down-gradient subsurface investigation to define the extent of the groundwater contamination plume, collecting grab groundwater samples with a direct-push, Geoprobe-type sampler.

8.0 LIMITATIONS

This report has been prepared according to generally accepted geologic and environmental practices. The analytical results are based on data collected from the sampling locations only, and Geo Pacific Environmental does not have full knowledge of the underlying conditions at the site. Conditions at the project site may change with time due to the works of man and/or acts of nature. Accordingly, the findings of this report may be subject to change in light of new information.

TABLE 1
SOIL SAMPLE ANALYSES: TPH-G, TPH-D, MTBE, BTEX
 (Results reported in parts per million, mg/kg) (1)

<u>Sample ID</u>	<u>TPH-G</u>	<u>TPH-D</u>	<u>MTBE (2)</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl- benzene</u>	<u>Xylenes</u>
T-1	6000 (a)	1500 (a)	ND<10 / ND<2000	7.3	32	71	12
T-2	1200 (g)	2800 (n)	ND<10 / ND<500	ND<1	ND<1	ND<1	ND<1
T-3	4700 (a)	2000 (n)	ND<10 / ND<2000	3.2	12	34	26
T-4	3800 (a)	160,000 (a,h)	ND<10 / ND<1000	9.2	38	74	240
SP 1-3	ND	na	ND / ND	ND	ND	ND	ND
SP 4-6	2.6 (g1)	na	ND / ND	ND	0.013	ND	0.0069
W.O.	23 (g1,m)	96 (g2,d)	ND / ND	0.0070	0.089	0.072	0.35
I-1-1	ND	na	ND / ND	ND	ND	ND	ND
I-1-2	ND	na	ND / ND	ND	ND	ND	ND
I-1-3	ND	na	ND / ND	ND	ND	ND	ND
I-2-1	ND	na	ND / ND	ND	ND	ND	ND
I-2-2	ND	na	ND / ND	ND	ND	ND	ND
I-2-3	ND	na	ND / ND	ND	ND	ND	ND

- Notes:
- (1) ND - non-detect; na - not applicable
 - (2) EPA methods: 8020 / 8260 Oxygenates (see also Table 3)
 - (3) analytical laboratory notes
 - (a) unmodified or weakly modified gasoline is significant
 - (d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?
 - (g1) strongly aged gasoline or diesel range compounds are significant
 - (g2) oil range compounds are significant
 - (h) lighter than water immiscible sheen/product is present
 - (m) no recognizable pattern
 - (n) stoddard solvent range

TABLE 2
GROUNDWATER SAMPLE ANALYSES: TPH-G, MTBE, BTEX
 (Results reported in parts per billion, ug/L) (1)

<u>Sample ID</u>	<u>TPH-G</u>	<u>TPH-D</u>	<u>MTBE (2)</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl- benzene</u>	<u>Xylenes</u>
Water-1	43,000 (a)	na	690 / 930	190	740	290	1600

- Notes:
- (1) ND - non-detect; na - not applicable
 - (2) EPA methods: 8020 / 8260 Oxygenates (see also Table 3)
 - (3) analytical laboratory notes
 - (a) unmodified or weakly modified gasoline is significant

TABLE 3
SOIL and GROUNDWATER SAMPLE ANALYSES: FUEL OXYGENATES
 (Results reported in parts per billion; ug/L) (1)

<u>Sample ID</u>	<u>DIPE (2)</u>	<u>ETBE (2)</u>	<u>MTBE (2)</u>	<u>TAME (2)</u>	<u>TBA (2)</u>	<u>Methanol</u>	<u>Ethanol</u>
T-1	ND<2000	ND<2000	ND<2000	ND<2000	ND<10,000	ND<1,000,000	ND<100,000
T-2	ND<500	ND<500	ND<500	ND<500	ND<2500	ND<250,000	ND<25,000
T-3	ND<2000	ND<2000	ND<2000	ND<2000	ND<10,000	ND<1,000,000	ND<100,000
T-4	ND<1000	ND<1000	ND<1000	ND<1000	ND<5000	ND<500,000	ND<50,000
SP 1-3	ND	ND	ND	ND	ND	ND	ND
SP 4-6	ND	ND	ND	ND	ND	ND	ND
W.O.	ND<10	ND<10	ND<10	ND<10	ND<50	ND<5000	ND<500
I-1-1	ND	ND	ND	ND	ND	ND	ND
I-1-2	ND	ND	ND	ND	ND	ND	ND
I-1-3	ND	ND	ND	ND	ND	ND	ND
I-2-1	ND	ND	ND	ND	ND	ND	ND
I-2-2	ND	ND	ND	ND	ND	ND	ND
I-2-3	ND	ND	ND	ND	ND	ND	ND
Water-1	ND<25	ND<25	930	ND<25	250	ND<25,000	ND<250

- Notes:
- (1) ND - non-detect
 - (2) DIPE = Di-isopropyl Ether; ETBE = Ethyl tert-Butyl Ether;
 MTBE = Methyl-tert Butyl Ether;
 TAME = tert-Amyl Methyl Ether; TBA = tert-Butanol

TABLE 4
SOIL and GROUNDWATER SAMPLE ANALYSES: LEAD / LUFT 5 METALS
(Results reported in parts per million; soil mg/kg, water mg/L) (1)

<u>Sample ID</u>	<u>Lead (2)</u>	<u>Chromium</u>	<u>Cadmium</u>	<u>Nickel</u>	<u>Zinc</u>
W.O.	ND	39	ND	35	24
T-4	12	na	na	na	na
SP 1-3	4.9	na	na	na	na
SP 4-6	8.2	na	na	na	na
I-1-1	ND	na	na	na	na
I-1-2	14	na	na	na	na
I-1-3	16	na	na	na	na
I-2-1	ND	na	na	na	na
I-2-2	3.2	na	na	na	na
I-2-3	ND	na	na	na	na
Water-1	0.011	na	na	na	na

Notes: (1) ND - non-detect; na - not applicable
(2) Analytical methods: soil by 6010C; water by B200.9

TABLE 5a
WASTE OIL UST SOIL SAMPLE ANALYSES: VOLATILE ORGANICS (by P&T and GC/MS; basic target list)
 (Results reported in parts per billion; ug/kg) (1)

Sample ID	n-Butyl benzene	Naphthalene	1,2,4-Trimethylbenzene	Xylenes	1,3,5-Trimethylbenzene	Others
W.O.	120	190	370	190	110	Acetone, and Vinyl Acetate: ND<1000; Iodomethane (Methyl iodide), 2-Butanone (MEK), and 2-Chloroethyl Vinyl Ether: ND<200; all others (see Appendix B): ND<100

Notes: ND - non-detect

TABLE 5b
WASTE OIL UST SOIL SAMPLE: ADDITIONAL ANALYSES
 (Results reported in parts per million; mg/kg) (1)

<u>Sample ID</u>	<u>Analysis</u>	<u>Result</u>
W.O.	Petroleum Oil and Grease (2)	720
W.O.	Polynuclear Aromatic Hydrocarbons (3)	ND

Notes: (1) ND - non-detect
 (2) Analytical Method 5520
 (3) Analytical Method 8270



Base: California State Automobile Association;
Oakland/Berkeley Street Map, 1992

Figure 1: Site Location Map

Whitmore Auto Service
1701 Buena Vista Ave., Alameda, CA

October, 2002

Scale: 1 inch =
approximately 0.5 mile

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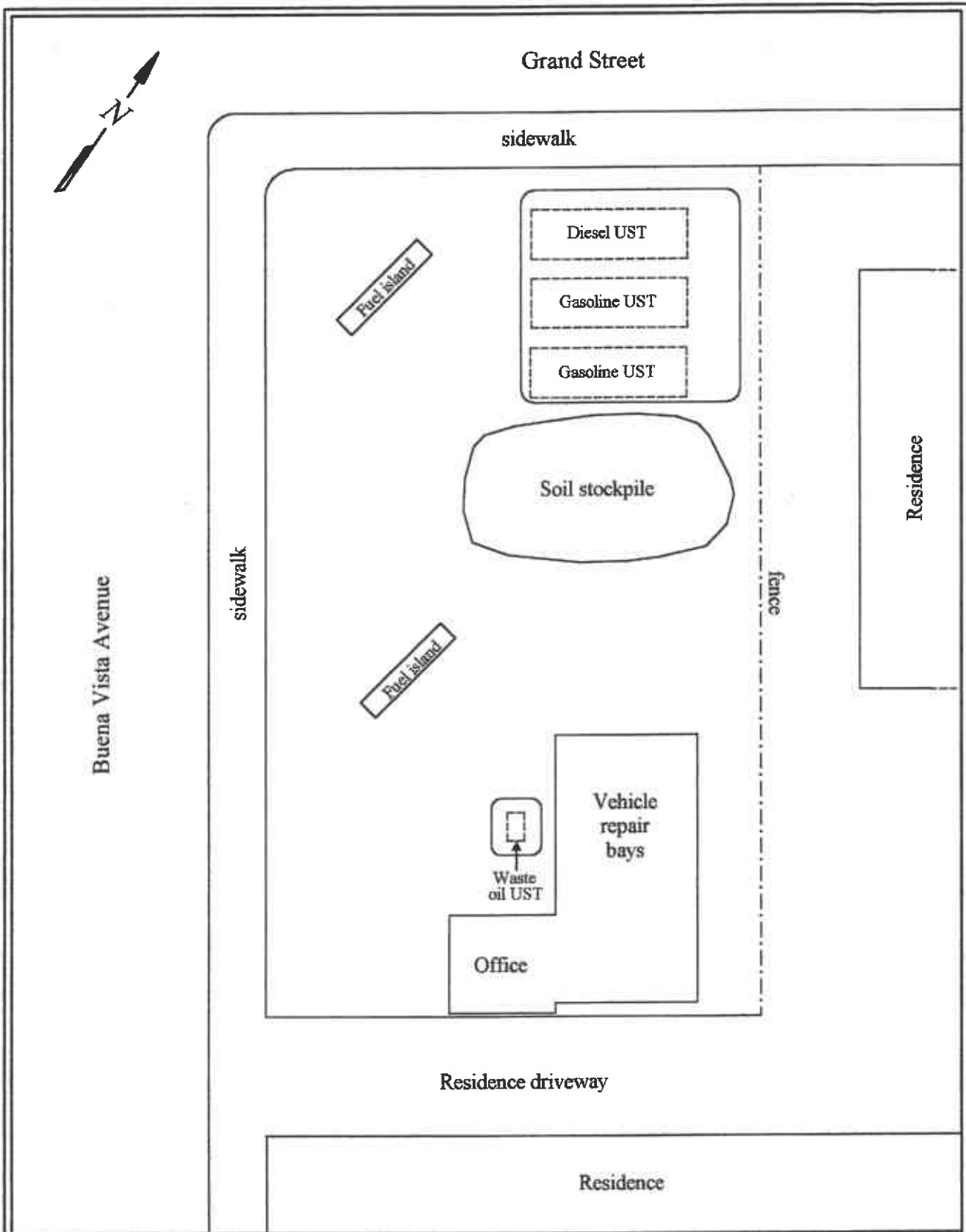


Figure 2: Site Plan

October 2002

Whitmore Auto Service
1701 Buena Vista Ave., Alameda, CA

Source: site sketch
1 inch = approximately 20 feet

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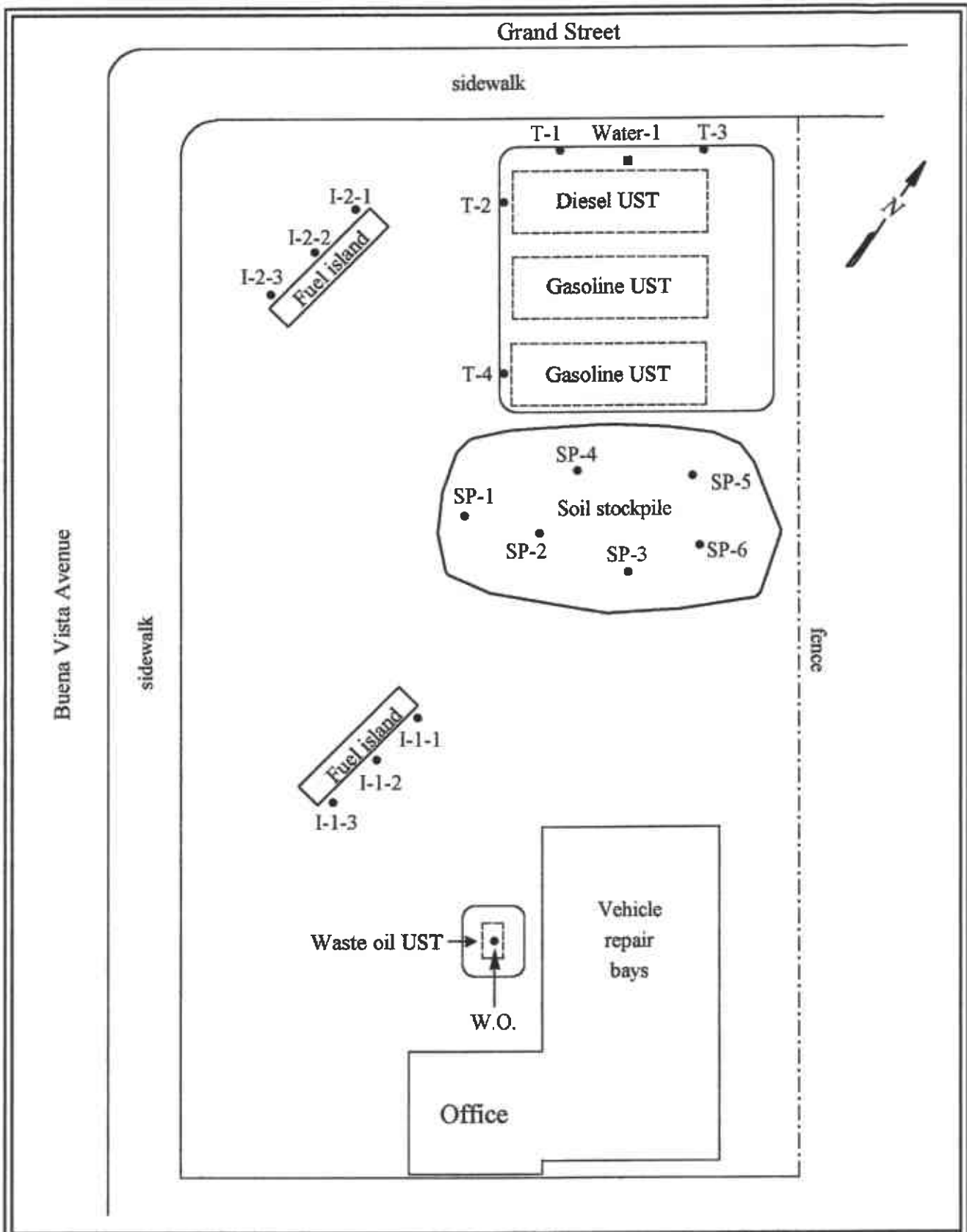


Figure 3: Sampling Locations

October 2002

Whitmore Auto Service
1701 Buena Vista Ave., Alameda, CA

Source: site sketch
1 inch = approximately 25 feet

GEO PACIFIC ENVIRONMENTAL

Fire Permit: F02-0040

Applicant Information

WHITMORE LOUIS A 2ND & DIANA
1104 PACIFIC AV
ALAMEDA, CA 94501
510-522-3388

Contractor Information

TRITON CONSTRUCTION
3912 PORTOLA DRIVE SUITE 8
SANTA CRUZ, CA 95062
831-475-8141

Owner Information

WHITMORE LOUIS A 2ND & DIANA
1104 PACIFIC AV
ALAMEDA, CA 94501

Project Information

Status: **ISSUED** Applied: **08/27/2002** Issued: **08/28/2002**
Type: **Fire Permit** Finaled: Expires: **08/27/2003**
Category: **NA**
Sub-Type: **NA**
Parcel Number: **072-0295-009-00** Valuation: **\$1,072.00**
Job Address: **1701 BUENA VISTA AVE, ALAMEDA, CA 94501**
Work Description: **FIRE-T/I WHITMORE'S AUTO SERVICE-REMOVE 4 UNDERGROUND GASOLINE STORAGE TANKS**

INSPECTIONS

Building: (510) 748-4564 (7:30-9:30 AM) Electrical: (510) 748-4634 (7:30-9:30 AM)
Plumbing & Mechanical: (510) 748-4563 (7:30-9:30 AM) Fire: (510) 749-5885
Design Review: (510) 748-4554

ITEM #	FEE DESCRIPTION	ACCOUNT CODE	UNITS	FEE AMOUNT	PAID
250	250-PERMIT FILING FEE	4520-37450 (1050)	38.5	\$38.50	\$38.50
530	530-Additional Fire Fee	98512-37260 (6200)	1008	\$1,008.00	\$1,008.00
620	620-Records Management Fee	99409-37900 (1464)	8	\$26.00	\$26.00
1160	1160-BUSINESS LICENSE	2430-33100 (8000)	60	\$60.00	\$60.00
Total Fees:					\$1,132.50

RECEIPT #	PAYMENT METHOD	CHECK #	COMMENTS/PAYEE	RECEIPT DATE	RECEIPT AMT
400637	Check	14143	WHITMORE'S AUTO SERVICE	08/27/2002	\$1,072.50
400656	Check	4113	SCOTT FERGUSON	08/28/2002	\$60.00
Total Payments:					\$1,132.50
Balance Due:					\$0.00

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

5200540
19 1 of 2

9/21

PROJECT NO		PROJECT NAME/SITE						ANALYSIS REQUESTED										PO#				
		WHT more AUTO 1701 BUENA VISTA, ALAMEDA																				
SAMPLERS		(SIGN) Scott Ferguson (PRINT) JACK FORSYTHE																				
SAMPLE IDENTIFICATION	DATE	TIME	COMP	GRAB	FRES. USED	ICED	NO. CONTAINERS	SAMPLE TYPE	STEX (8210020)	TPH (8215)	TPH (8217)	TOG #18 (8260)	801/8010	840/8240	853/8270	MTBE	LEAD (AA)	ZORGANICS (AA)	ORGANICS (AA)	CLHC (8262)	REMARKS	
WATER-1	8/29	16:40		X	Yes	X	4	W	X	X					X	X	X					
T-1		17:17		X	No		1	S	X	X	X				X	X	X					
T-2		17:00		X				T	X	X	X				X	X	X					
T-3		17:25		X				T	X	X	X				X	X	X					
T-4		17:08		X				T	X	X	X				X	X	X					
SP-1		18:00	X						X	X					X	X	X					
SP-2		17:49	X						X	X					X	X	X					Composite SP-1, SP-2 + SP-3
SP-3		17:56	X						X	X					X	X	X					
SP-4		18:15	X						X	X					X	X	X					Composite SP-4, SP-5 + SP-6
SP-5		18:25	X						X	X					X	X	X					
SP-6		18:40	X						X	X					X	X	X					
W.O		17:31		X					X	X	X				X	X	X					AS METALS + PCB/PCP
I1-1		18:59		X					X	X					X	X	X					
I1-2		18:55		X					X	X					X	X	X					
I1-3		19:03		X					X	X					X	X	X					

RELINQUISHED BY <i>Jack Forsythe</i>	DATE 8/29/02	TIME 22:08	RECEIVED BY <i>D.J. A</i>	LABORATORY McCAMPBELL ANALYTICAL 110 2ND AVE SOUTH #D7 PACHECO, CALIF, 94553	PLEASE SEND RESULTS TO: Scott Ferguson Geo Pacific Environmental 1581 San Andreas Rd. LA Selva Beach, CA 95076 (408) 730-1052
RELINQUISHED BY <i>D.J. A</i>	DATE 8/30/02	TIME 09:15	RECEIVED BY <i>Pamela Helvie</i>	REQUESTED TURNAROUND TIME STANDARD	
RELINQUISHED BY <i>Pamela Helvie</i>	DATE 8/30/02	TIME 13:35	RECEIVED BY <i>Maria</i>		
RELINQUISHED BY <i>Pamela Helvie</i>	DATE	TIME	RECEIVED BY		

9/9 39/6
CHK # 14152-2274
CHK # 1119-# 350

Maria Valles

PROJECT MANAGER
Scott Ferguson

McCampbell Analytical Inc.

110 Second Avenue South, #D7
 Pacheco, CA 94553-5560
 (925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0208540

Client:

Geo Pacific Environmental
 1581 San Andreas Road
 Laselva Beach, CA 95076

TEL: (408) 730-1852
 FAX: (408) 730-1852
 ProjectNo: #Whitmore Auto
 PO:

03-Sep-02

Sample ID	ClientSampID	Matrix	Collection Date	Bottle	Requested Tests									
					6010C	E200_9	SM5520E/F	SW8015C	8021B/8015	SW8260B	SW8270D			
0208540-001	Water-1	Water	8/29/02 4:40:00 PM											
0208540-002	T-1	Soil	8/29/02 5:17:00 PM											
0208540-003	T-2	Soil	8/29/02 5:00:00 PM											
0208540-004	T-3	Soil	8/29/02 5:25:00 PM											
0208540-005	T-4	Soil	8/29/02 5:08:00 PM											
0208540-006	SP-1-SP-3	Soil	8/29/02											
0208540-007	SP-4-SP-6	Soil	8/29/02											
0208540-008	W-O	Soil	8/29/02 5:31:00 PM											
0208540-009	I-1-1	Soil	8/29/02 6:59:00 PM											
0208540-010	I-1-2	Soil	8/29/02 6:55:00 PM											
0208540-011	I-1-3	Soil	8/29/02 7:03:00 PM											
0208540-012	I-2-1	Soil	8/29/02 7:17:00 PM											
0208540-013	I-2-2	Soil	8/29/02 7:11:00 PM											
0208540-014	I-2-3	Soil	8/29/02 7:06:00 PM											

Comments:

Date/Time	Date/Time
Relinquished by:	Received by:
Relinquished by:	Received by:
Relinquished by:	Received by:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other



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Geo Pacific Environmental 1581 San Andreas Road Laselva Beach, CA 95076	Client Project ID: #Whitmore Auto	Date Sampled: 08/29/02
		Date Received: 08/30/02
	Client Contact: Scott Ferguson	Date Extracted: 09/01/02-09/06/02
	Client P.O.:	Date Analyzed: 09/01/02-09/06/02

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B

Analytical methods: SW8021B/8015Cm

Work Order: 0208540

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001B	Water-1	W	13,000,a	690	190	740	290	1600	10	---#
002A	T-1	S	6000,a	ND<10	7.3	32	71	12	200	---#
003A	T-2	S	1200,g	ND<10	ND<1	ND<1	ND<1	ND<1	200	106
004A	T-3	S	4700,a	ND<10	3.2	12	34	26	200	---#
005A	T-4	S	3800,a	ND<10	9.2	38	74	240	200	114
006A	SP-1-SP-3	S	ND	ND	ND	ND	ND	ND	1	110
007A	SP-4-SP-6	S	2.6,g	ND	ND	0.013	ND	0.0069	1	110
008A	W-O	S	23,g,m	ND	0.0070	0.089	0.072	0.35	1	109
009A	I-1-1	S	ND	ND	ND	ND	ND	ND	1	97.7
010A	I1-2	S	ND	ND	ND	ND	ND	ND	1	95.7
011A	I1-3	S	ND	ND	ND	ND	ND	ND	1	96.7
012A	I2-1	S	ND	ND	ND	ND	ND	ND	1	106
013A	I2-2	S	ND	ND	ND	ND	ND	ND	1	104
014A	I2-3	S	ND	ND	ND	ND	ND	ND	1	109


Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	0.5	1	µg/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	0.005	1	mg/Kg

*water and vapor samples are reported in ug/L, soil and sludge samples in mg/kg, wipe samples in ug/wipe, and TCLP extracts in ug/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McC Campbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern.

DHS Certification No. 1644

 Edward Hamilton, Lab Director



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Geo Pacific Environmental 1581 San Andreas Road Laselva Beach, CA 95076	Client Project ID: #Whitmore Auto	Date Sampled: 08/29/02
		Date Received: 08/30/02
	Client Contact: Scott Ferguson	Date Extracted: 09/04/02-09/05/02
	Client P.O.:	Date Analyzed: 09/04/02-09/05/02

Oxygenated Volatile Organics by P&T and GC/MS*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0208540

Lab ID	0208540-001D	0208540-002A	0208540-003A	0208540-004A	Reporting Limit for DF = 1	
Client ID	Water-1	T-1	T-2	T-3		
Matrix	W	S	S	S		
DF	50	400	100	400		

Compound	Concentration				µg/Kg	µg/L
Diisopropyl ether (DIPE)	ND<25	ND<2000	ND<500	ND<2000	5.0	0.5
Ethyl tert-butyl ether (ETBE)	ND<25	ND<2000	ND<500	ND<2000	5.0	0.5
Methyl-t-butyl ether (MTBE)	930	ND<2000	ND<500	ND<2000	5.0	0.5
tert-Amyl methyl ether (TAME)	ND<25	ND<2000	ND<500	ND<2000	5.0	0.5
t-Butyl alcohol (TBA)	250	ND<10,000	ND<2500	ND<10,000	25	5.0
Methanol	ND<25,000	ND<1,000,000	ND<250,000	ND<1,000,000	2500	500
Ethanol	ND<2500	ND<100,000	ND<25,000	ND<100,000	250	50

Surrogate Recoveries (%)

%SS:	94.0	97.3	96.5	97.1	
Comments		j	j	j	

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in ug/kg, wipe samples in ug/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.



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Geo Pacific Environmental 1581 San Andreas Road Laselva Beach, CA 95076	Client Project ID: #Whitmore Auto	Date Sampled: 08/29/02
		Date Received: 08/30/02
	Client Contact: Scott Ferguson	Date Extracted: 09/04/02-09/05/02
	Client P.O.:	Date Analyzed: 09/04/02-09/05/02

Oxygenated Volatile Organics by P&T and GC/MS*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0208540

Lab ID	0208540-005A	0208540-006A	0208540-007A	0208540-008A	Reporting Limit for DF =1	
Client ID	T-4	SP-1-SP-3	SP-4-SP-6	W-O		
Matrix	S	S	S	S		
DF	200	1	1	2		

Compound	Concentration				µg/Kg	µg/L
Diisopropyl ether (DIPE)	ND<1000	ND	ND	ND<10	5.0	0.5
Ethyl tert-butyl ether (ETBE)	ND<1000	ND	ND	ND<10	5.0	0.5
Methyl-t-butyl ether (MTBE)	ND<1000	ND	ND	ND<10	5.0	0.5
tert-Amyl methyl ether (TAME)	ND<1000	ND	ND	ND<10	5.0	0.5
t-Butyl alcohol (TBA)	ND<5000	ND	ND	ND<50	25	5.0
Methanol	ND<500,000	ND	ND	ND<5000	2500	500
Ethanol	ND<50,000	ND	ND	ND<500	250	50

Surrogate Recoveries (%)

%SS:	93.4	91.5	98.5	99.6	
Comments	j			j	

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in ug/kg, wipe samples in ug/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.



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Geo Pacific Environmental 1581 San Andreas Road Laselva Beach, CA 95076	Client Project ID: #Whitmore Auto	Date Sampled: 08/29/02
		Date Received: 08/30/02
	Client Contact: Scott Ferguson	Date Extracted: 09/04/02-09/05/02
	Client P.O.:	Date Analyzed: 09/04/02-09/05/02

Oxygenated Volatile Organics by P&T and GC/MS*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0208540

Lab ID	0208540-009A	0208540-010A	0208540-011A	0208540-012A	Reporting Limit for DF =1	
Client ID	I-1-1	I1-2	I1-3	I2-1		
Matrix	S	S	S	S		
DF	1	1	1	1		

Compound	Concentration				µg/Kg	µg/L
Diisopropyl ether (DIPE)	ND	ND	ND	ND	5.0	0.5
Ethyl tert-butyl ether (ETBE)	ND	ND	ND	ND	5.0	0.5
Methyl-t-butyl ether (MTBE)	ND	ND	ND	ND	5.0	0.5
tert-Amyl methyl ether (TAME)	ND	ND	ND	ND	5.0	0.5
t-Butyl alcohol (TBA)	ND	ND	ND	ND	25	5.0
Methanol	ND	ND	ND	ND	2500	500
Ethanol	ND	ND	ND	ND	250	50

Surrogate Recoveries (%)

%SS:	90.6	92.1	93.3	92.5	
------	------	------	------	------	--

Comments

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in ug/kg, wipe samples in ug/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.



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Geo Pacific Environmental 1581 San Andreas Road Laselva Beach, CA 95076	Client Project ID: #Whitmore Auto	Date Sampled: 08/29/02
		Date Received: 08/30/02
	Client Contact: Scott Ferguson	Date Extracted: 09/04/02-09/05/02
	Client P.O.:	Date Analyzed: 09/04/02-09/05/02

Oxygenated Volatile Organics by P&T and GC/MS*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0208540

Lab ID	0208540-013A	0208540-014A			Reporting Limit for DF = 1
Client ID	I2-2	I2-3			
Matrix	S	S			
DF	1	1			

Compound	Concentration				µg/Kg	µg/L
	Diisopropyl ether (DIPE)	ND	ND			5.0
Ethyl tert-butyl ether (ETBE)	ND	ND			5.0	0.5
Methyl-t-butyl ether (MTBE)	ND	ND			5.0	0.5
tert-Amyl methyl ether (TAME)	ND	ND			5.0	0.5
t-Butyl alcohol (TBA)	ND	ND			25	5.0
Methanol	ND	ND			2500	500
Ethanol	ND	ND			250	50

Surrogate Recoveries (%)

%SS:	91.1	93.5		
------	------	------	--	--

Comments

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in ug/kg, wipe samples in ug/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.



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Geo Pacific Environmental 1581 San Andreas Road Laselva Beach, CA 95076	Client Project ID: #Whitmore Auto	Date Sampled: 08/29/02
		Date Received: 08/30/02
	Client Contact: Scott Ferguson	Date Extracted: 08/30/02
	Client P.O.:	Date Analyzed: 09/03/02

Lead by ICP*

Extraction method: SW3050B

Analytical methods: 6010C

Work Order: 0208540

Lab ID	Client ID	Matrix	Extraction	Lead	DF	% SS
0208540-005A	T-4	S	TTLC	12	1	87.1
0208540-006A	SP-1-SP-3	S	TTLC	4.9	1	108
0208540-007A	SP-4-SP-6	S	TTLC	8.2	1	110
0208540-009A	I-1-1	S	TTLC	ND	1	114
0208540-010A	I1-2	S	TTLC	14	1	106
0208540-011A	I1-3	S	TTLC	16	1	106
0208540-012A	I2-1	S	TTLC	ND	1	109
0208540-013A	I2-2	S	TTLC	3.2	1	110
0208540-014A	I2-3	S	TTLC	ND	1	105

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TTLC	NA	mg/L
	S	TTLC	3.0	mg/Kg


* water samples are reported in mg/L, soil/sludge/solid/product samples in mg/kg, wipes in ug/wipe and all TCLP / STLC / DISTLC / SPLP extracts in mg/L.

ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

Analytical Methods: EPA 6010C/200.7 for all elements except: 200.9 (water- Sb, As, Pb, Se, Tl); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipes - As, Se, Tl); 7471B (Hg).

DISTLC extractions are performed using STLC methodology except that deionized water is substituted for citric acid buffer as the extraction fluid. DISTLC results are not applicable to STLC regulatory limits.

i) liquid sample that contains greater than ~2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations; z) reporting limit raised due to matrix interference.

 Edward Hamilton, Lab Director



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Geo Pacific Environmental 1581 San Andreas Road Lafelva Beach, CA 95076	Client Project ID: #Whitmore Auto	Date Sampled: 08/29/02
		Date Received: 08/30/02
	Client Contact: Scott Ferguson	Date Extracted: 08/30/02
	Client P.O.:	Date Analyzed: 08/31/02

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0208540

Lab ID	0208540-008A
Client ID	W-O
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<1000	20	50	Benzene	ND<100	20	5.0
Bromobenzene	ND<100	20	5.0	Bromochloromethane	ND<100	20	5.0
Bromodichloromethane	ND<100	20	5.0	Bromoform	ND<100	20	5.0
Bromomethane	ND<100	20	5.0	2-Butanone (MEK)	ND<200	20	10
n-Butyl benzene	120	20	5.0	sec-Butyl benzene	ND<100	20	5.0
tert-Butyl benzene	ND<100	20	5.0	Carbon Disulfide	ND<100	20	5.0
Carbon Tetrachloride	ND<100	20	5.0	Chlorobenzene	ND<100	20	5.0
Chloroethane	ND<100	20	5.0	2-Chloroethyl Vinyl Ether	ND<200	20	10
Chloroform	ND<100	20	5.0	Chloromethane	ND<100	20	5.0
2-Chlorotoluene	ND<100	20	5.0	4-Chlorotoluene	ND<100	20	5.0
Dibromochloromethane	ND<100	20	5.0	1,2-Dibromo-3-chloropropane	ND<100	20	5.0
1,2-Dibromoethane (EDB)	ND<100	20	5.0	Dibromomethane	ND<100	20	5.0
1,2-Dichlorobenzene	ND<100	20	5.0	1,3-Dichlorobenzene	ND<100	20	5.0
1,4-Dichlorobenzene	ND<100	20	5.0	Dichlorodifluoromethane	ND<100	20	5.0
1,1-Dichloroethane	ND<100	20	5.0	1,2-Dichloroethane (1,2-DCA)	ND<100	20	5.0
1,1-Dichloroethene	ND<100	20	5.0	cis-1,2-Dichloroethene	ND<100	20	5.0
trans-1,2-Dichloroethene	ND<100	20	5.0	1,2-Dichloropropane	ND<100	20	5.0
1,3-Dichloropropane	ND<100	20	5.0	2,2-Dichloropropane	ND<100	20	5.0
1,1-Dichloropropene	ND<100	20	5.0	cis-1,3-Dichloropropene	ND<100	20	5.0
trans-1,3-Dichloropropene	ND<100	20	5.0	Ethylbenzene	ND<100	20	5.0
Hexachlorobutadiene	ND<100	20	5.0	2-Hexanone	ND<100	20	5.0
Iodomethane (Methyl iodide)	ND<200	20	10	4-Isopropyl toluene	ND<100	20	5.0
Isopropylbenzene	ND<100	20	5.0	4-Methyl-2-pentanone (MIBK)	ND<100	20	5.0
Methylene chloride	ND<100	20	5.0	Methyl-t-butyl ether (MTBE)	ND<100	20	5.0
Naphthalene	190	20	5.0	n-Propyl benzene	ND<100	20	5.0
Styrene	ND<100	20	5.0	1,1,1,2-Tetrachloroethane	ND<100	20	5.0
1,1,2,2-Tetrachloroethane	ND<100	20	5.0	Tetrachloroethene	ND<100	20	5.0
Toluene	ND<100	20	5.0	1,2,3-Trichlorobenzene	ND<100	20	5.0
1,2,4-Trichlorobenzene	ND<100	20	5.0	1,1,1-Trichloroethane	ND<100	20	5.0
1,1,2-Trichloroethane	ND<100	20	5.0	Trichloroethene	ND<100	20	5.0
Trichlorofluoromethane	ND<100	20	5.0	1,2,3-Trichloropropane	ND<100	20	5.0
1,2,4-Trimethylbenzene	370	20	5.0	1,3,5-Trimethylbenzene	110	20	5.0
Vinyl Acetate	ND<1000	20	50	Vinyl Chloride	ND<100	20	5.0
Xylenes	190	20	5.0				

Surrogate Recoveries (%)

%SS1:	110	%SS2:	94.6
%SS3:	95.6		

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in ug/kg, wipe samples in ug/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

low surrogate recovery due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.



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Geo Pacific Environmental 1581 San Andreas Road Laselva Beach, CA 95076	Client Project ID: #Whitmore Auto	Date Sampled: 08/29/02
		Date Received: 08/30/02
	Client Contact: Scott Ferguson	Date Extracted: 09/03/02
	Client P.O.:	Date Analyzed: 09/04/02

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) + PCB & PCP by GC/MS*

Extraction Method: SW3550C

Analytical Method: SW8270D

Work Order: 0208540

Lab ID	0208540-008A				Reporting Limit for DF =1
Client ID	W-O				
Matrix	S				
DF	1				

Compound	Concentration				ug/kg	ug/L
Acenaphthene	ND				0.33	NA
Acenaphthylene	ND				0.33	NA
Anthracene	ND				0.33	NA
Benz(a)anthracene	ND				0.33	NA
Benzo(a)pyrene	ND				0.33	NA
Benzo(b)fluoranthene	ND				0.33	NA
Benzo(g,h,i)perylene	ND				0.33	NA
Benzo(k)fluoranthene	ND				0.33	NA
Chrysene	ND				0.33	NA
Dibenzo(a,h)anthracene	ND				0.33	NA
Fluoranthene	ND				0.33	NA
Fluorene	ND				0.33	NA
Indeno (1,2,3-cd) pyrene	ND				0.33	NA
2-Methylnaphthalene	ND				0.33	NA
Naphthalene	ND				0.33	NA
Phenanthrene	ND				0.33	NA
Pyrene	ND				0.33	NA
Polychlorinated Biphenyls (PCB)	ND				3.0	NA
Pentachlorophenol	ND				1.6	NA

Surrogate Recoveries (%)

%SS1:	83.1			
%SS2:	86.5			

Comments

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in ug/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

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

EMERGENCY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM.
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REPORT DATE 09/07/92	CASE # _____
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REPORTED BY	NAME OF INDIVIDUAL FILING REPORT Scott FERGUSON	PHONE (408) 730-1852	SIGNATURE 	
	REPRESENTING <input type="checkbox"/> LOCAL AGENCY <input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD <input type="checkbox"/> OTHER	COMPANY OR AGENCY NAME GEO PACIFIC ENVIRONMENTAL		
	ADDRESS 1581 SAN ANDREAS ROAD LA SELVA BEACH CA 95076			

RESPONSIBLE PARTY	NAME WHITMORE Auto Service	CONTACT PERSON MR. LOUIS WHITMORE	PHONE (510) 523-4222
	ADDRESS 1701 BUENAVISTA AVE ALAMEDA CA 94501		

SITE LOCATION	FACILITY NAME (IF APPLICABLE) WHITMORE Auto Service	OPERATOR MR. LOUIS WHITMORE	PHONE (510) 523-4222	
	ADDRESS 1701 BUENAVISTA AVE ALAMEDA ALAMEDA 94501			
	CROSS STREET GRAND AVE			

IMPLEMENTING AGENCIES	LOCAL AGENCY AGENCY NAME Alameda Co. Environmental Health	CONTACT PERSON MR. ROBERT WESTON	PHONE (510) 567-6781
	REGIONAL BOARD RWQCB		PHONE ()

SUBSTANCES INVOLVED	(1) NAME GASOLINE (Regular & Supreme)	QUANTITY LOST (GALLONS) <input checked="" type="checkbox"/> UNKNOWN
	(2) NAME DIESEL & W.O.	QUANTITY LOST (GALLONS) <input checked="" type="checkbox"/> UNKNOWN

DISCOVERY/ABATEMENT	DATE DISCOVERED 08/29/92	HOW DISCOVERED <input type="checkbox"/> TANK TEST <input checked="" type="checkbox"/> TANK REMOVAL <input type="checkbox"/> OTHER	<input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS
	DATE DISCHARGE BEGAN 08/29/92 <input checked="" type="checkbox"/> UNKNOWN		METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input type="checkbox"/> REMOVE CONTENTS <input checked="" type="checkbox"/> CLOSE TANK & REMOVE <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> CLOSE TANK & FILL IN PLACE <input type="checkbox"/> CHANGE PROCEDURE <input type="checkbox"/> REPLACE TANK <input type="checkbox"/> OTHER
	HAS DISCHARGE BEEN STOPPED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE 08/29/92		

SOURCE/ CAUSE	SOURCE OF DISCHARGE <input type="checkbox"/> TANK LEAK <input type="checkbox"/> UNKNOWN <input checked="" type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> SPILL <input type="checkbox"/> PIPING LEAK <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> CORROSION <input type="checkbox"/> UNKNOWN <input type="checkbox"/> OTHER
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CASE TYPE	CHECK ONE ONLY <input checked="" type="checkbox"/> UNDETERMINED <input type="checkbox"/> SOIL ONLY <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)
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CURRENT STATUS	CHECK ONE ONLY <input type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED <input checked="" type="checkbox"/> POLLUTION CHARACTERIZATION <input type="checkbox"/> LEAK BEING CONFIRMED <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT UNDERWAY <input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS <input type="checkbox"/> REMEDIATION PLAN <input type="checkbox"/> CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) <input type="checkbox"/> CLEANUP UNDERWAY
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REMEDIAL ACTION	CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS) <input type="checkbox"/> CAP SITE (CD) <input type="checkbox"/> EXCAVATE & TREAT (ET) <input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> ENHANCED BIO DEGRADATION (IT) <input type="checkbox"/> CONTAINMENT BARRIER (CB) <input type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> PUMP & TREAT GROUNDWATER (GT) <input type="checkbox"/> REPLACE SUPPLY (RS) <input type="checkbox"/> VACUUM EXTRACT (VE) <input checked="" type="checkbox"/> OTHER (OT) AWAIT LABORATORY SOIL & WATER ANALYSIS
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COMMENTS	_____ _____ _____
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Information in the shaded areas is not required by Federal law.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **CA1290010101010196574**

Manifest Document No. _____

2. Page 1 of 1

3. Generator's Name and Mailing Address
LOUIS WITTMANN II
1701 L...

A. State Manifest Document Number **21996574**

4. Generator's Phone () _____

B. State Generator's ID _____

5. Transporter 1 Company Name
Ecology Control Industries

6. US EPA ID Number **CAAD032030173**

C. State Transporter's ID (Reserved) _____

7. Transporter 2 Company Name _____

8. US EPA ID Number _____

D. Transporter's Phone **510-235-1393**

E. State Transporter's ID (Reserved) _____

9. Designated Facility Name and Site Address
ECOLGY CONTROL INDUSTRIES
255 PARR BLVD.
RICHMOND CA 94801

10. US EPA ID Number **CAAD009450392**

F. Transporter's Phone _____

G. State/Facility's ID _____

H. Facility's Phone **510-235-1393**

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers

13. Total Quantity

14. Unit

Waste Number

NON RCRA HAZARDOUS WASTE SOLID
(EMPTY STORAGE TANK)

No.

Type

Quantity

Wt/Vol

State

EPA/Other

b.

c.

d.

4

TP

54

PK

CA

TRUCK

State

EPA/Other

State

EPA/Other

State

EPA/Other

State

EPA/Other

12. Additional Descriptions for Materials Listed Above
EMPTY STORAGE TANK # 2775 29976
TANKS HAVE BEEN
INSERTED WITH 15 LBS DRY ICE PER 1000 GALLONS CAPACITY

K. Handling Codes for Wastes Listed Above

a.

b.

c.

d.

15. Special Handling Instructions and Additional Information
24 hour emergency number: 510 5211441
24 hour emergency contact: Louis Wittmann II DOT 600 6174

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

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

Printed/Typed Name

Signature

Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

DO NOT WRITE BELOW THIS LINE.

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

GENERATOR

FACILITY

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

GENERATOR

TRANSPORTER

FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No.		2. Page 1 of 3		information in the shaded areas is not required by Federal law.							
3. Generator's Name and Mailing Address <i>Louis Whittman Co. Inc. 1701 Buchanan St. Richmond CA 94801</i>						A. State Manifest Document Number 21996553									
4. Generator's Phone <i>510 522 3388</i>						B. State Generator's ID									
5. Transporter 1 Company Name <i>Ecology Control Industries</i>			6. US EPA ID Number <i>CA05982030173</i>			C. State Transporter's ID (Reserved)									
7. Transporter 2 Company Name						D. Transporter's Phone <i>510 235 1393</i>									
8. US EPA ID Number						E. State Transporter's ID (Reserved)									
9. Designated Facility Name and Site Address <i>ECOLGY CONTROL INDUSTRIES 285 PARR BLVD. RICHMOND CA 94801</i>						G. State Facility's ID									
10. US EPA ID Number <i>CA11119468382</i>						H. Facility's Phone <i>510 235 1393</i>									
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) NON HORA HAZARDOUS WASTE SOLID (EMPTY STORAGE TANK)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste Number			
						No. Type		Quantity		Wt/Vol		State EPA/Other			
						<i>100 TP 15B/100</i>		<i>P</i>		<i>P</i>		State EPA/Other			
b.												State EPA/Other			
c.												State EPA/Other			
d.												State EPA/Other			
J. Additional Descriptions for Materials Listed Above <i>EMPTY STORAGE TANK # 22222 TANKS HAVE BEEN INTERFERED WITH 15 LBS DRY ICE PER 100 GALLONS CAPACITY</i>						K. Handling Codes for Wastes Listed Above									
						a.		b.		c.		d.			
16. Special Handling Instructions and Additional Information <i>Wear proper protective equipment while handling. Weights or volumes are approximate. 24 HOUR EMERGENCY NUMBER: 510 217 1101. 24 HOUR EMERGENCY CONTACT: Louis Whittman. DOT REG 2171</i>						16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name <i>Louis Whittman II</i>			Signature <i>[Signature]</i>			Month <i>08</i>		Day <i>29</i>		Year <i>02</i>					
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name <i>[Name]</i>		Signature <i>[Signature]</i>		Month <i>09</i>		Day <i>15</i>		Year <i>02</i>	
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name		Signature		Month		Day		Year	
19. Discrepancy Indication Space															
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.						Printed/Typed Name <i>Louis Whittman</i>		Signature <i>[Signature]</i>		Month		Day		Year	

DO NOT WRITE BELOW THIS LINE.