INNOVATIVE TECHNICAL SOLUTIONS, Inc.

ITSI

November 12, 1996

Project No 95-113.08

Ms. Jennifer Eberle
Alameda County Health Care Services Agency
Department of Environmental Health
Environmental Protection Agency
1131 Harbor Bay Parkway
Alameda, California 94502

Tank Closure Report
TransBay Container Terminal (Berth 25)
707 Ferry Street
Oakland, California
(Work Order No. 202634)

Dear Ms. Eberle:

Two underground storage tanks (USTs) and an associated dispenser island were removed on June 21, 1996 from the TransBay Container Terminal (Berth 25), located at 707 Ferry Street in Oakland, California. The USTs and dispenser island were removed by Accutite Environmental Engineering (Accutite) on behalf of the Port of Oakland. Innovative Technical Solutions, Inc. (ITSI) was contracted by the Port of Oakland to perform compliance sampling during removal of the USTs and to prepare the Tank Closure Report upon completion of the project.

Figure 1 shows the location of the site, and Figure 2 shows the site layout and former locations of the USTs and associated dispenser island. The two USTs were of fiberglass construction, and consisted of two 1,000-gallon spherical tanks (CF-03 and CF-05) formerly used for the storage of gasoline and diesel fuels. According to Mr. John Prall of the Port of Oakland, the USTs were installed in 1971. Removal of the USTs were performed according to the Underground Tank Closure Plan, prepared by Accutite and approved by Alameda County Health Care Services Agency (Alameda County). A copy of the approved Underground Tank Closure Plan is included as Attachment A.

1330 Broadway, Suite 1625, Oakland, CA 94612 (510) 286-8888 (510) 286-8889 fax

UST REMOVAL

The two USTs and associated dispenser island were removed from the site on June 21, 1996. Ms. Jennifer Eberle of Alameda County, Mr. Steve Craford of the Oakland Fire Department, and representatives of the Port of Oakland were present for the UST removal.

Asphalt and soil was initially removed to expose the USTs. Photograph A included in Figure 3 shows the two USTs prior to removal. During removal of soil from around the USTs, a water line was broken and began filling the partially excavated UST pit. Water from the broken line entered one of the USTs through the vent line. The broken water line was plugged and water in the UST was pumped into drums by Accutite. A total of 370 gallons of water was removed from the site on September 26, 1996 and transported by All Petroleum Recovery Service under Uniform Hazardous Waste Manifest to Evergreen Oil, Inc. A copy of the Uniform Hazardous Waste Manifest is included in Attachment B.

Prior to removal of the USTs, the lower explosion limit (LEL) and oxygen (O_2) levels inside the USTs were measured by Accutite. Following approval by the onsite fire inspector, the USTs were removed from the excavation. ITSI personnel documented the removal activities and collected samples from the excavation. The fiberglass USTs were in very good condition and the markings on the tanks were still legible. No obvious holes were observed in the USTs.

The USTs were transported offsite under Uniform Hazardous Waste Manifest by Erickson Inc. (Erickson) to their Richmond facility for destruction. Copies of the Uniform Hazardous Waste Manifest and Certificates of Destruction for the USTs are included in Attachment B.

The UST excavation was generally rectangular with dimensions of approximately 15 feet wide by 20 feet long. Photograph B included in Figure 3 shows the approximate dimensions of the UST excavation. Total depth of the initial excavation was approximately 10 to 11 feet below ground surface (bgs). Approximately 100 cubic yards of soil was removed from the initial excavation. The initial UST excavation did not contain standing water.

The soil in the UST excavation consisted of clayey sands with several thin layers of gravelly sands. Discolored soils and associated hydrocarbon odor were observed on both the east and west walls of the UST excavation. Photograph Number 3 and 4 included in Figure 4 show the east and west walls of the UST excavation.

OVEREXCAVATION

Additional soils were removed from the UST excavation on July 23, 1996. Ms Jennifer Eberle of Alameda County and representatives form the Port of Oakland were present during the overexcavation activities. An additional one foot of soils were removed from both the west wall and the bottom of the excavation, resulting in approximately 20 cubic yards of additional soil removed. Total depth of the final excavation was approximately 11 to 12 feet below ground surface (bgs).

A gas line was encountered along the west wall following removal of one foot of soils, restricting further excavation to the west. The gas line was also visible along the south wall, restricting excavation to the south.

SOIL AND GROUNDWATER SAMPLING

Confirmation soil samples were collected from the UST excavation on June 21, 1996. Soil samples were collected from the bottom of the excavation below each of the two USTs, designated Tank A and Tank B, as shown in Figure 2. Visible staining and odor was observed beneath Tank B. Soil samples were collected from the east wall of the UST excavation at approximately eight feet bgs where visible staining was noted (as seen in Photograph A included in Figure 4). Soil samples were collected from the west wall at approximately seven feet bgs where visible staining was also noted (as seen in Photograph B included in Figure 4). The locations of the soil samples collected from the UST excavation are shown on Figure 2.

Additional confirmation soil samples were collected following overexcavation on July 23, 1996. Soil samples were collected at 12 feet bgs at the bottom of the excavation below the former USTs. Soil samples were also collected at a depth of eight feet bgs from the north, south and west walls of the excavation. A groundwater sample was also collected from groundwater present in the UST excavation following overexcavation. Depth to water at the time of sampling was approximately 12 feet.

Soil samples were collected from a backhoe bucket. The bucket of the backhoe was brought to the surface for sample collection. Soil samples were collected by hand driving a 2-inch diameter by 6-inch long clean brass tube into soil retained in the bucket. The sample tubes were fitted on each end with a Teflon patch and covered with a plastic friction cap. Each soil sample was labeled with sample number, date and time of collection, and the samplers initials. Soil samples were sealed into plastic zip-lock bags and placed on ice in an insulated cooler. The samples were

shipped under chain-of-custody procedures to Pace Analytical Services, Inc., a California-certified laboratory for analyses.

Soil samples from the UST excavation were analyzed for:

- TPH as gasoline (TPHg) by Modified EPA Method 8015.
- Benzene, ethylbenzene, toluene and xylenes (BTEX) by EPA Method 8020.
- TPH as diesel fuel (TPHd) by Modified EPA Method 8015.
- Total lead by EPA Method 6010.

The groundwater sample from the UST excavation was collected following the overexcavation effort using a clean disposable bailer, and transferred to clean sample containers provided by the laboratory. The groundwater sample was then labeled with sample number, date and time of collection, and the samplers initials. The samples were shipped under chain-of-custody procedures to Pace Analytical Services, Inc.

The groundwater sample from the UST excavation was analyzed for:

- TPHg by Modified EPA Method 8015.
- BTEX by EPA Method 8020.
- TPHd by Modified EPA Method 8015.
- Total lead by EPA Method 6010.
- Total dissolved solids (TDS) by EPA Method 160.1.

The excavation was backfilled with clean fill on August 12, 1996.

STOCKPILE SAMPLING

Soil samples were collected from the stockpiled soil following both initial UST removal and overexcavation activities. Four stockpile soil samples (designated Stockpile #1–4), were collected on June 21, 1996 from the soil stockpile from the initial UST removal activities at the site. Four additional stockpile soil samples (designated SP #1–4), were collected on July 23, 1996 from the soil stockpile from overexcavation activities at the site.

Stockpile samples collected during each sampling event were composited by the laboratory into one composite sample per event. Soil samples from each stockpile were collected by hand driving a 2-inch diameter by 6-inch long clean brass tube into soil at each location. Soil samples were fitted on each end with a Teflon patch and covered with a plastic friction cap. Each soil sample was labeled with sample number, date and time of collection, and the samplers initials. Soil samples were sealed into plastic zip-lock bags and placed on ice in an insulated cooler. The samples were shipped under chain-of-custody procedures to Pace Analytical Services, Inc.

The composite stockpile samples were analyzed for the following:

- TPHg by Modified EPA Method 8015.
- BTEX by EPA Method 8020.
- TPHd by Modified EPA Method 8015.
- Total lead by EPA Method 6010.

Additional analyses were requested for the stockpiled soil for profiling purposes. The two composite soil samples from the stockpiled soil were composited by the laboratory and analyzed for:

- Reactivity, corrosivity (pH), ignitability (flash point).
- STLC lead.

LABORATORY RESULTS

Analytical results for the soil and groundwater samples are presented in Tables 1–2. Copies of the laboratory reports and chain-of-custody forms for the samples are included in Attachment C.

TPHg was reported in the soil samples from below Tank A and Tank B at concentrations of 1,900 mg/kg and 600 mg/kg, respectively, and was reportedly non-detect for samples from the east and west wall. Benzene was reported in the soil sample from below Tank A at a concentration of 0.27 mg/kg, and was reportedly non-detect for samples from below Tank B and from the east and west walls. TPHd was reported in soil samples from below Tank A and Tank B at concentrations of 1,300 mg/kg and 960 mg/kg, respectively, and was reportedly non-detect for soil samples from the east and west wall.

Soil samples collected from below Tank A and Tank B and from the north and west walls following overexcavation were reportedly non-detect for TPHg. The soil sample from the south wall reportedly contained 0.33 mg/kg TPHg. Benzene was reportedly non-detect in the soil samples from below Tank A, and from the north, west and south walls, and was reportedly in the soil sample from below Tank B at a concentration of 0.0019 mg/kg. TPHd was reportedly non-detect in the soil samples from below Tank A and Tank B, and was reportedly contained in the soil samples from the north wall, west wall, and south wall at concentrations of 13 mg/kg, 45 mg/kg, and 220 mg/kg, respectively.

The groundwater sample reportedly contained TPHg and benzene at concentrations of 9.4 mg/L and 28 µg/L, respectively. TPHd was reported at a concentration of 9.6 mg/L. Total dissolved solids (TDS) were reported at 2,420 mg/L.

DISPOSAL OF STOCKPILED SOIL

The stockpiled soil was profiled and accepted for disposal at Browning-Ferris Industries (BFI) Vasco Road Sanitary Landfill. The stockpile was estimated to consist of approximately 120 cubic yards of soil. The stockpiled soil was removed from the site and transported to BFI on August 12–13, 1996. A total of nine loads representing 167 tons of soil was removed and disposed. Copies of the Non-Hazardous Special Waste Manifests and weigh tickets from BFI Vasco Road are included in Attachment B.

Please give us a call if you have any questions or comments.

Sincerely,

Jeffrey D. Hess

Jeffrey D. Hess, R.G.
Project Director

Attachments

cc: Mr. John Prall

data old

Table 1

Laboratory Results for Confirmation and Stockpile Soil Samples

TransBay Container Terminal, Berth 25
707 Ferry Street
Oakland, California

Sample I.D.	Date	TPH gas (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	TPH diesel (mg/kg)	Total Pb (mg/kg)
Tank Removal Sampling								
Tank A	6/21/96	1,900	0.27	16	<0.12	160	1,300	305
Tank B	6/21/96	600	<0.12	0.24	<0.12	13	960	<4.8
East Wall	6/21/96	<0.2	<0.001	0.0011	<0.001	<0.001	<5	5.78
West Wall	6/21/96	<0.2	<0.001	0.0035	<0.001	0.0032	<500[1]	188
Stockpile	6/21/96	0.33	<0.001	0.12	<0.001	0.037	27	27.9
Overexcavation Sampling								
Tank A	7/23/96	12'	<0.2	<0.001	<0.001	<0.001	<0.002	<5	<2.8
Tank B	7/23/96	12'	<0.2	0.0019	<0.001	<0.001	<0.002	<5	<2.8
North Wall	7/23/96	8'	<0.2	<0.001	<0.001	<0.001	<0.002	13	<4.4
West Wall	7/23/96	8'	<0.2	<0.001	<0.001	<0.001	<0.002	45	48.2
South Wall	7/23/96	8'	0.33	<0.005	0.044	0.0064	0.012	220	119
Stockpile	7/23/96		14	<0.005	0.043	0.2	1.8	350	32.4

[1] Matrix interference from high boiling point hydrocarbons in sample resulting in higher detection limit.

Table 2

Laboratory Results for Confirmation Groundwater Sample

TransBay Container Terminal, Berth 25
707 Ferry Street
Oakland, California

Sample I.D.	Date	TPH gas (mg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	TPH diesel (mg/L)	Total Pb (mg/L)
Groundwater Sampling								
G.W. Sample[1]	7/23/96	9.4	28	42	150	2,000	9.6	0.881

[1] TDS for GW Sample was reported as 2,420 mg/L.

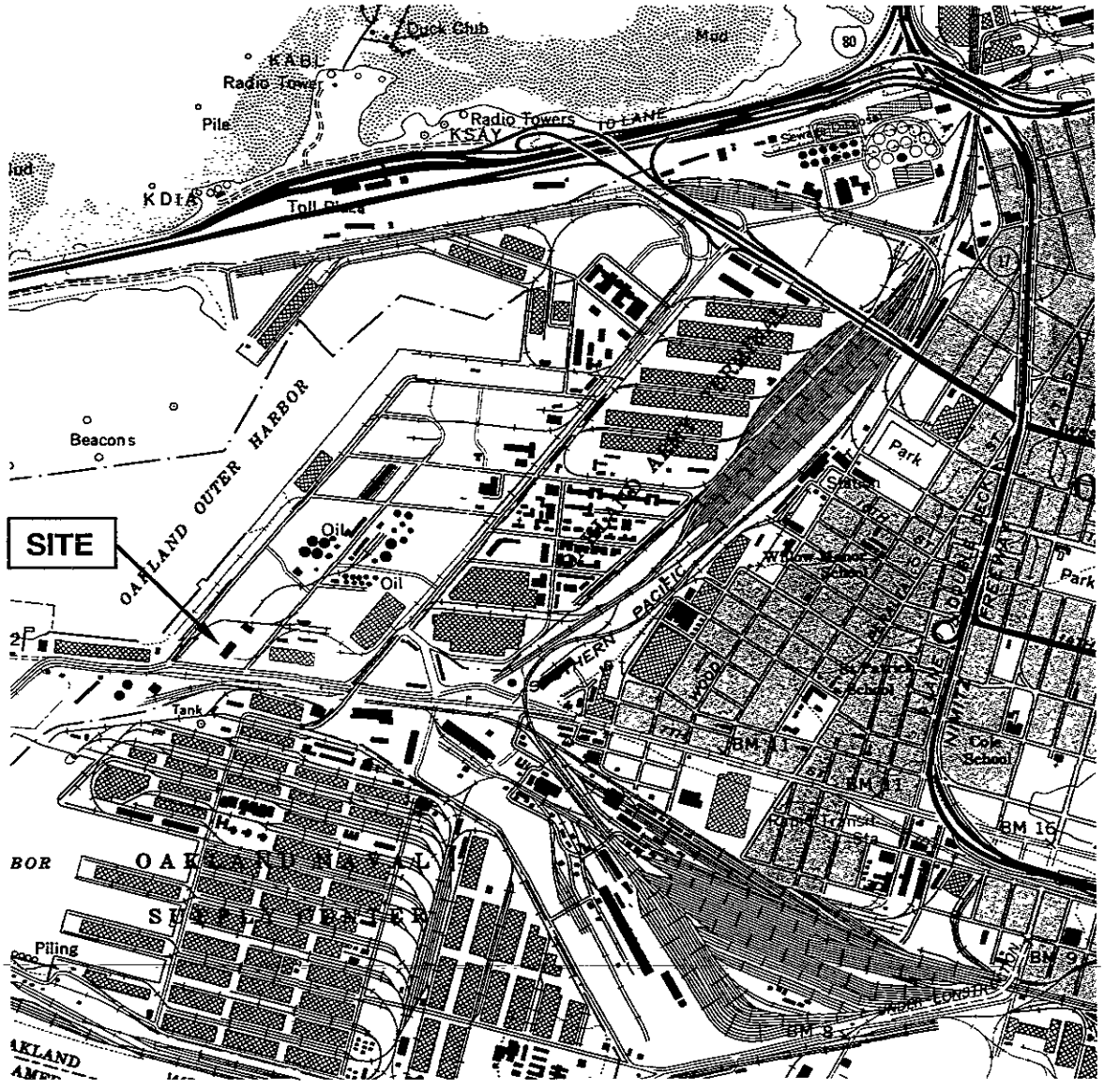
Table 3

Laboratory Results for Stockpile Soil Samples

TransBay Container Terminal (Berth 25)
707 Ferry Street
Oakland, California

Sample I.D.	Sample Date	STLC Lead (mg/L)	Reactivity			Corrosivity	Ignitability
			Sulfide (mg/kg)	Cyanide (mg/kg)	Water (mg/kg)	pH	Flash point (°C)
Stockpile	6/21/96	0.896	<13	<0.5	N.D.	8.4	>100
Stockpile	7/23/96	1.490	27	<0.5	N.D.	8.5	>100

95-113.08/F 1-SitLoc



0 2,000 Feet 4,000 Feet

Approximate Scale

Source: Oakland West 7.5-minute U S.G.S. Quadrangle, dated 1959, and photorevised in 1980.

FIGURE 1

SITE LOCATION

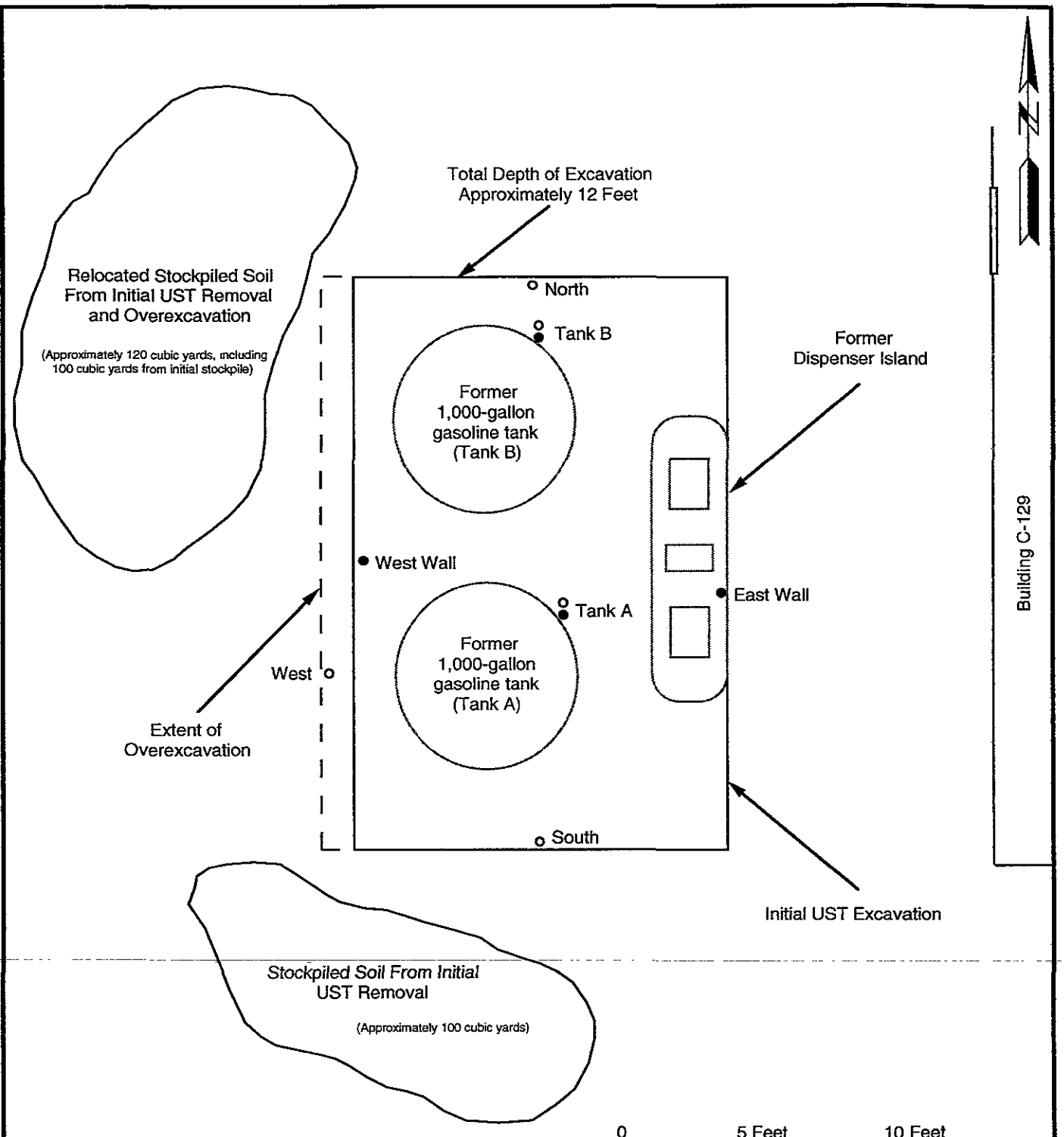
TransBay Container Terminal (Berth 23)
707 Ferry Street
Oakland, California

PORT OF OAKLAND

ITSI

INNOVATIVE TECHNICAL SOLUTIONS, INC.

95-113.06/F-2-SiteLay



Legend

- ● Confirmation Soil Samples Collected on June 21, 1996
- o Confirmation Soil Samples Collected on July 23, 1996

FIGURE 2

SITE LAYOUT AND SOIL SAMPLE LOCATIONS

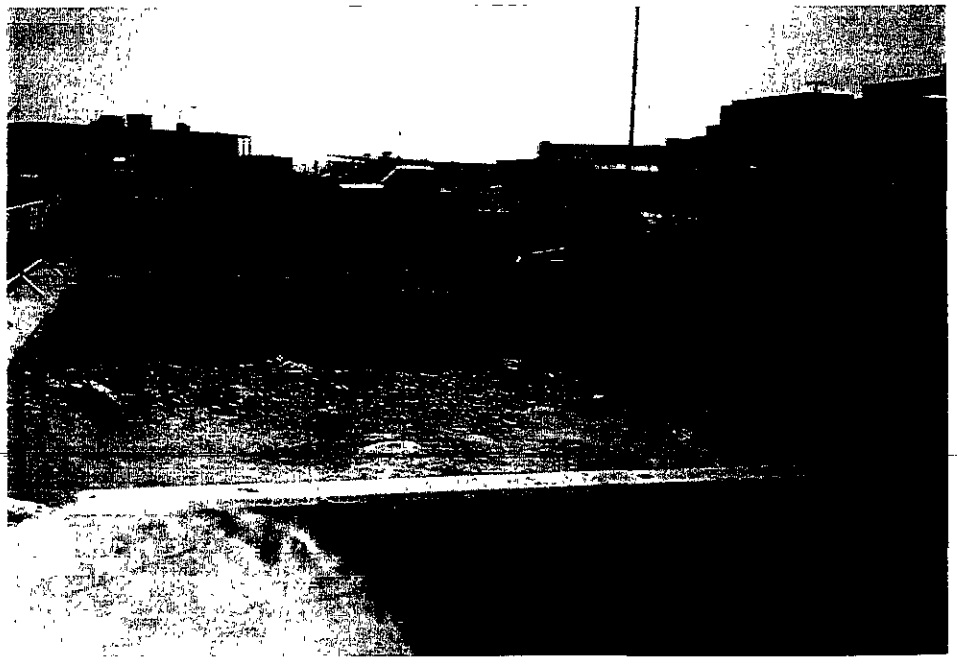
TransBay Container Terminal (Berth 25)
707 Ferry Street
Oakland, California

PORT OF OAKLAND

ITSI

INNOVATIVE TECHNICAL SOLUTIONS, INC.

A. Looking southwest at Tank B (foreground) and Tank A (background).



B. Looking south at tank excavation.

FIGURE 3

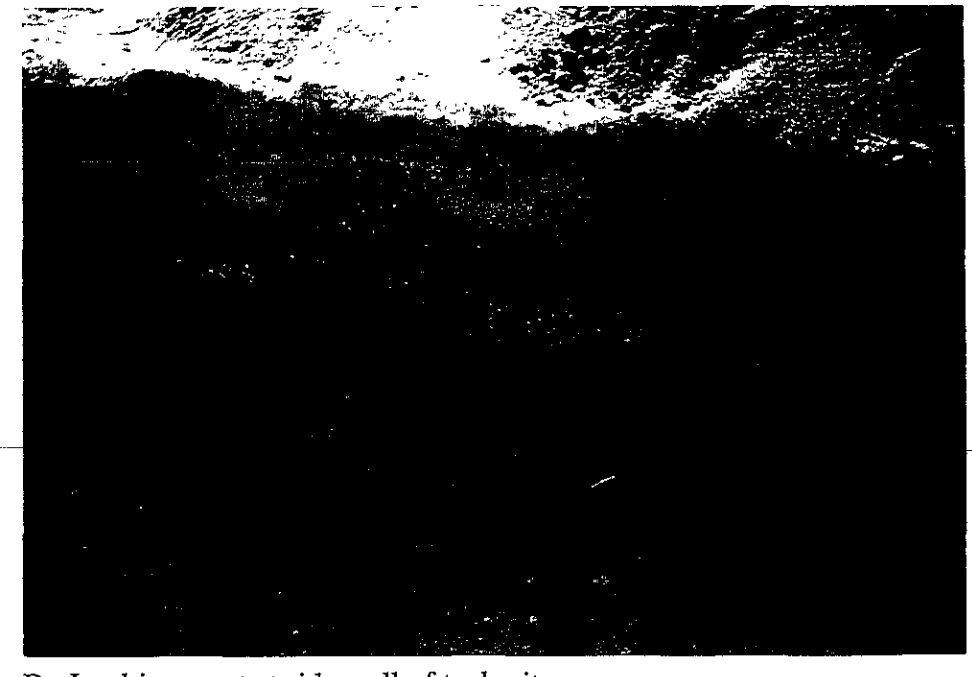
PHOTOGRAPHS OF UST REMOVAL

TransBay Container Terminal (Berth 23)
707 Ferry Street
Oakland, California

PORT OF OAKLAND

INNOVATIVE TECHNICAL SOLUTIONS, INC.

A. Looking east at side wall of tank pit.



B. Looking west at side wall of tank pit.

FIGURE 4

PHOTOGRAPHS OF UST REMOVAL

TransBay Container Terminal (Berth 23)
707 Ferry Street
Oakland, California

PORT OF OAKLAND

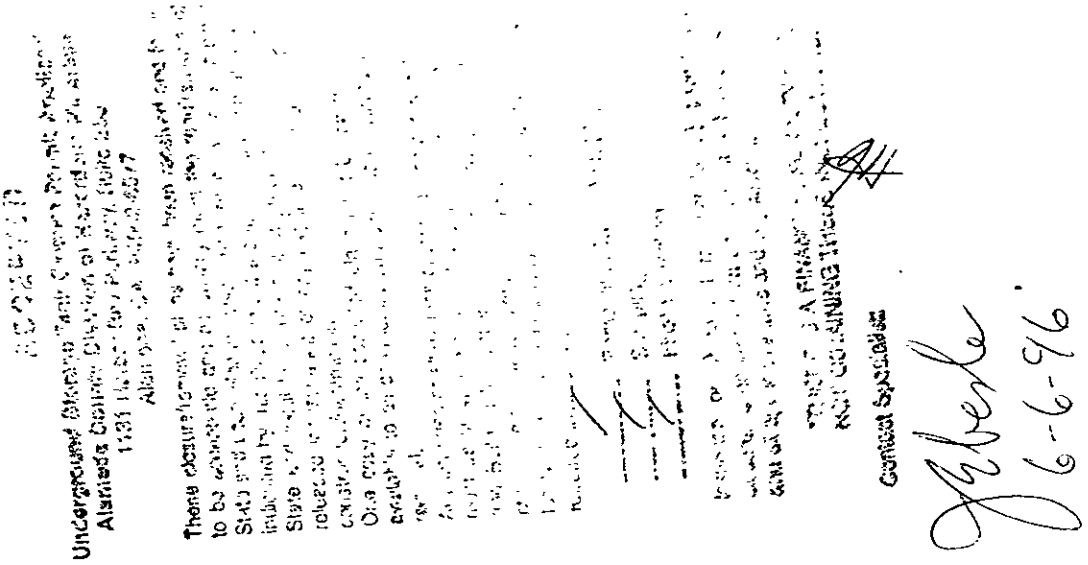
ITSI
INNOVATIVE TECHNICAL SOLUTIONS, INC.

ATTACHMENT A

COPY OF UNDERGROUND TANK CLOSURE PLAN

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
DEPA ENT OF ENVIRONMENTAL HEAL
ENVIRONMENTAL PROTECTION DIVISION
1131 HARBOR BAY PARKWAY, RM 250
ALAMEDA, CA 94502-6577
PHONE # 510/567-6700
FAX # 510/337-9335

Project Specialist



6-6-96

UNDERGROUND TANK CLOSURE PLAN
*** * * Complete according to attached instructions * * ***

1. Name of Business Port of Oakland / Berth 25 Stid 3982

   Business Owner or Contact Person (PRINT) Bob Meneggio

2. Site Address 707 Ferry Street 94607

   City Oakland Zip ~~94609~~ Phone 510-272-1473

3. Mailing Address 530 Water Street

   City Oakland Zip 94604-2064 Phone 510-272-1473

4. Property Owner Port of Oakland

   Business Name (if applicable) _____

   Address 530 Water Street

   City, State Oakland Zip 94604-2064

5. Generator name under which tank will be manifested

   Port of Oakland

   EPA ID# under which tank will be manifested C A C 0 0 1 1 3 7 5 6 8

6. Contractor Accutite Environmental Engineering

Address 35 So. Li .en Avenue

City South San Francisco Phone 415-952-5551

License Type* A, B, C36, C61, D40, HAZ ID# 643881

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

7. Consultant (if applicable) ITSI - JeffHess

Address 1330 Broadway, Suite 1625

City, State Oakland, CA 94612 Phone 510-286-8888

8. Main Contact Person for Investigation (if applicable)

Name John Prall Title Associate Environmental Scientist

Company Port of Oakland

Phone 510-272-1373

9. Number of underground tanks being closed with this plan 2

Length of piping being removed under this plan 20 feet

Total number of underground tanks at this facility (**confirmed with owner or operator) 2

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

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

a) Product/Residual Sludge/Rinsate Transporter

Name Erickson Inc. EPA I.D. No. CAD 009466392

Hauler License No. 0019 License Exp. Date 7/31/96

Address 255 Parr Boulevard

City Richmond State CA Zip 94801

b) Product/Residual Sludge/Rinsate Disposal Site

Name Erickson Inc. EPA ID# CAD 009466392

Address 255 Parr Boulevard

City Richmond State CA Zip 94801

c) Tank and Piping Transporter

Name Erickson Inc. EPA I.D. No. CAD 009466392

Hauler License No. 0019 License Exp. Date 7/31/96

Address 255 Parr Boulevard

City Richmond State CA Zip 94801

d) Tank and Piping Disposal Site

Name Erickson Inc. EPA I.D. No. CAD 009466392

Address 255 Parr Boulevard

City Richmond State CA Zip 94801

11. Sample Collector

Name Jim Schollard

Company ITSI

Address 1330 Broadway, Suite 1625

City Oakland State CA Zip 94612 Phone 510-286-8888

12. Laboratory

Name Pace Analytical Services

Address 1455 MCDowell Boulevard, Suite D

City Petaluma State CA Zip 94954

State Certification No. California #2059

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

If yes, describe.

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

15 lb dry ice per 1000 gal UST.

Before tanks are pumped out and inerted, all associated piping must be flushed out into the tanks. All accessible associated piping must then be removed. Inaccessible piping must be permanently plugged.

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

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

Tank		Material to be sampled (tank contents, soil, groundwater)	Location and Depth of Samples
Capacity	Use History include date last used (estimated)		
CF-03 1,000 gal. Unleaded	Installed in 1971 Single Wall Fiberglass gasoline	Soil	2 Soil Samples beneath tank, unless groundwater present, then sample sidewalls.
		Groundwater	if encountered
CF-05 1,000 gal. Diesel	Installed in 1971 Single wall, material unknown ~~gasoline~~ DIESEL	Soil	2 Soil Samples beneath tank, Unless groundwater present, then sample sidewall

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

Excavated/Stockpiled Soil

Stockpiled Soil Volume (estimated)	Sampling Plan
50 Yards	One 4 point composite TPH-G TPH-D BTEX

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

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

If yes, explain reasoning _____

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

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

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

Contaminant Sought	EPA or Other Sample Preparation Method Number	EPA or Other Analysis Method Number	Method Detection Limit
TPH-G	5030 (soil) 5030 (water)	8015 (soil) 8015 (water)	1 ppm 50 ppb
TPH-D	3550 (soil) 3510 (water)	8015 (soil) 8015 (water)	1 ppm 50 ppb
BTEX	5030 (soil) 5030 (water)	8020 (soil) 8020 (water)	5 ppb 0.5 ppb
Lead	3050 (soil) 3050 (water)	6010 (soil) 7000 (water)	5 ppm 5 ppb

18. Submit Worker's Compensation Certificate copy

Name of Insurer California Indemnity Insurance Co.

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

20. Enclose Deposit (See Instructions)

21. **Report any leaks or contamination to this office within 5 days of discovery.**
The written report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report (ULR) form.

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

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

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

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

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

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

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

CONTRACTOR INFORMATION

Name of Business Accutite Environmental Engineering

Name of Individual ~~Ron Breckenridge~~ Geoff Garrison

Signature Geoff Garrison Date 5/9/96

PROPERTY OWNER OR MOST RECENT TANK OPERATOR (Circle one)

Name of Business Port of Oakland

Name of Individual Neil Werner, Port Environmental Compliance Supervisor

Signature Neil Werner Date 6/4/96

RECEIVED
JUN

ATTACHMENT B

COPIES OF UNIFORM HAZARDOUS WASTE MANIFESTS AND CERTIFICATES OF DESTRUCTION

FROM : Panasonic PPF

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-96)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

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

GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAR000113756 | Manifest Document No. 96131226 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address: Port of Oakland, 70 Ferry St, Oakland, CA. 94607

4. Generator's Phone (415) 452-5551

5. Transporter 1 Company Name: All Petroleum Recovery Service | 6. US EPA ID Number: CAD981376636

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

9. Designated Facility Name and Site Address: EVERGREEN OIL, INC, 6880 Smith Ave, Newark, CA 94560 | 10. US EPA ID Number: CAD008274190

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	State / EPA/Other
a. USED OIL AND WATER, NON RCRA HAZARDOUS WASTE LIQUID	001	TT	1 RID	G	State CA / EPA/Other 000
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Handling Codes for Wastes Listed Above: a. 01 | c. | d.

15. Special Handling Instructions and Additional Information

NOBLE KNOWN HAZARDS — 24 Hour Emergency Response (415)359-0403
DOT ERG 121 — Emergency Contact- Ron Breckenridge

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: [illegible] | Signature: RON BRECKENRIDGE | Month 09 | Day 26 | Year 96

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Tom Alexander | Signature | Month 09 | Day 26 | Year 96

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

FACILITY

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.

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS.
(Generators who submit hazardous waste for transport out-of-state,

Form Approved OMB No. 2050-0039 (Expires 9-30-96) Please print or type. Form designed for use on elite (12-pitch) typewriter.

See Instructions on back of page 6. 968538 Department of Toxic Substances Control Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAC 0 0 1 1 3 7 5 6 8 8 — Manifest Document No. 0 4 1 9 — 2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
PORT OF OAKLAND SITE
707 FERRY STREET
BERTH 25 OAKLAND CALIF 94607
MAILING ADD
530 WATER ST
OAKLAND, CA
94604-20

4. Generator's Phone (510) 272-1473

5. Transporter 1 Company Name: ERICKSON INC. — 6. US EPA ID Number: CAD 0 0 9 4 6 6 3 9 2

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

9. Designated Facility Name and Site Address
Erickson, Inc.
255 Parr Blvd.
Richmond, CA. 9480[illegible]
— 10. US EPA ID Number: CAD 0 0 9 4 6 6 3 9 2

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. NON-RCRA Hazardous Waste Solid Waste Empty Storage Tank.	002	TP	1000	P
b.				
c.				
d.				

15. Special Handling Instructions and Additional Information
Keep away from sources of ignition. Always wear hardhats when working around U.G.S.T.'s 24 Hr. Contact Name Bob Menegio Phone 510-272-1473

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
X Jerry Stewart	Jerry Stewart	06	21	96

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
CHARLEY ELMORE	Charley Elmore	06	21	96

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
DAVID SATO	DAVE SATO	06	24	96

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/95)
EPA 8700—22

WHITE: TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS
TO: P.O. Box 3000, Sacramento, CA 95812

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

GENERATOR'S COPY — TRANSPORTER COPY — TSDF COPY

DAY OR NIGHT TELEPHONE (510) 235-1398

CERTIFICATE

CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

NO. 24559

CUSTOMER ACCUTITE

JOB NO. 968538

FOR: ERICKSON, INC. TANK NO. 18127

LOCATION: RICHMOND, CA DATE: 06/25/96 TIME: 01:10 PM

TEST METHOD VISUAL/GASTEC (O2/LEL) METER LAST PRODUCT ULG

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

TANK SIZE 1000 GALLONS CONDITION SAFE FOR FIRE

REMARKS: OXYGEN, 20.9%; LOWER EXPLOSIVE LIMIT (LEL), LESS THAN 0.1%

ERICKSON, INC. HEREBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN CUT OPEN, PROCESSED, AND THEREFORE DESTROYED AT OUR PERMITTED HAZARDOUS WASTE FACILITY.

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

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

STANDARD SAFETY DESIGNATION

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

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

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

REPRESENTATIVE TITLE INSPECTOR

CP599

DAY OR NIGHT TELEPHONE (510) 235-1393

CERTIFICATE

CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

NO. 24558

CUSTOMER: ACCUTITE

JOB NO. 968538

FOR: ERICKSON, INC. TANK NO. 18126

LOCATION: RICHMOND, CA DATE: 06/25/96 TIME: 01010 PM

TEST METHOD: VISUAL/GASTEC (O2/LEL) METER LAST PRODUCT ULG

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

TANK SIZE 1000 GALLONS CONDITION SAFE FOR FIRE

REMARKS: OXYGEN, 20.9%; LOWER EXPLOSIVE LIMIT (LEL), LESS THAN 0.1%

ERICKSON, INC. HEREBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN CUT OPEN, PROCESSED, AND THEREFORE DESTROYED AT OUR PERMITTED HAZARDOUS WASTE FACILITY.

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

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

STANDARD SAFETY DESIGNATION

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

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

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

REPRESENTATIVE TITLE INSPECTOR

B-42

BFI NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

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

No. 850434

Section I. GENERATOR (Generator completes all of Section I)

a Generator Name: PORT OF OAKLAND
b Generating Location: 707 Ferry St
c Address: 530 WATER ST, OAKLAND, CA
d Address: OAKLAND, CA
e Phone No: 510 (415) 272-1585
f Phone No: AS ABOVE

If owner of the generating facility differs from the generator, provide:

g Owner's Name: ____
h Owner's Phone No: ____

i BFI WASTE CODE: CA 405 080996 00114

Containers

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

j Description of Waste: petroleum cont. soil

k Quantity: ____ Units: T No: ____ TYPE: Y

UNITS	
P	POUNDS
Y	YARDS
M^3	CUBIC METERS
Y^3	CUBIC YARDS
O	OTHER

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

JOHN STEWART
[signature] for Port OAKLAND — [signature] — 080996

Generator Authorized Agent Name — Signature — Shipment Date

Section II TRANSPORTER (Generator complete a-d, Transporter I complete e-g, Transporter II complete h-n)

TRANSPORTER I

a Name: WES BASSETT TRUCKING
b Address: 525 RAILROAD AVE, SO. S.F.
c Driver Name/Title: LARENZO (PRINT/TYPE)
d Phone No: (415) 588-5666
e Truck No: B-42
f Vehicle License No/State: 9A37051
Acknowledgement of Receipt of Materials
g [signature] B-42 — 081296
Driver Signature — Shipment Date

TRANSPORTER II

h Name: ____
i Address: ____
j Driver Name/Title: ____ (PRINT/TYPE)
k Phone No: ____
l Truck No: ____
m Vehicle License No/State: ____
Acknowledgement of Receipt of Materials.
n ____
Driver Signature — Shipment Date

Section III DESTINATION (Generator completes a-d, destination site completes e-f.)

a Site Name: VASCO ROAD, LIVERMORE
b Physical Address: ____
c Phone No: ____
d Mailing Address: ____
e Discrepancy Indication Space: ____

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

f ____ — [signature] — 081296
Name of Authorized Agent — Signature — Receipt Date

Section IV ASBESTOS (Generator complete a-d, f, g, Operator* completes e)

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

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

e Operator's* Name & Title: ____ (Print/Type) — Operator's* Signature — Date

f Name and Address of Responsible Agency: ____

g [ ] Friable, [ ] Non-friable, [ ] Both — % friable — % nonfriable

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

DC-3

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

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

No. 850435

Section I. GENERATOR (Generator completes all of Section I)

a Generator Name. PORT OF OAKLAND
b Generating Location. 707 Ferry St.
c Address 530 WATER ST OAKLAND, CA
d Address OAKLAND, CA
e Phone No (510) 272-1585
f Phone No

If owner of the generating facility differs from the generator, provide

g Owner's Name
h Owner's Phone No

i BFI WASTE CODE CA 405 080996 00114 Containers

j Description of Waste. petrol contaminated soil

k Quantity | Units | No | TYPE
T

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

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

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

Ron Brechenridge — Ron Brechenridge — 08/29/96

Generator Authorized Agent Name — Signature — Shipment Date

Section II TRANSPORTER (Generator complete a-d, Transporter I complete e-g, Transporter II complete h-n)

TRANSPORTER I

a Name Gregs Trucking
b Address P.O. Box 1626 San Mateo Ca 94401
c Driver Name/Title Daryl Crockett Owner-Op (PRINT/TYPE)
d Phone No 415-343-5946 e Truck No DC-3
f Vehicle License No /State 9B09279 CA.
Acknowledgement of Receipt of Materials
g Daryl Crockett — 08/29/96

Driver Signature — Shipment Date

TRANSPORTER II

h Name
i Address
j Driver Name/Title (PRINT/TYPE)
k Phone No l Truck No
m Vehicle License No /State
Acknowledgement of Receipt of Materials
n

Driver Signature — Shipment Date

Section III DESTINATION (Generator completes a-d, destination site completes e-f)

a Site Name VASCO ROAD LANDFILL
c Phone No
b Physical Address
d Mailing Address

e Discrepancy Indication Space

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

f
Name of Authorized Agent — Signature — Receipt Date

Section IV ASBESTOS (Generator complete a-d, f, g, Operator* completes e)

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

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

e Operator's* Name & Title (Print/Type) — Operator's* Signature — Date

f Name and Address of Responsible Agency

g ☐ Friable, ☐ Non-friable, ☐ Both % friable % nonfriable

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

260-720E 5/93

B-42

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

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

No. 850436

Section I. GENERATOR (Generator completes all of Section I)

a Generator Name: PORT OF OAKLAND
b Generating Location 107 Ferry St
c Address 530 WATER ST
d Address: OAKLAND, CA
OAKLAND CA
e Phone No 510-444-272-1585
f Phone No AS ABOVE

If owner of the generating facility differs from the generator, provide

g Owner's Name
h Owner's Phone No

i BFI WASTE CODE CA 405 080 996 0011 4 Containers

j Description of Waste Petroleum Cont - Soil
k Quantity Units T No. TYPE Y

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

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

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

Generator Authorized Agent Name — Signature: Jon Bonafield — Shipment Date: 08/12/96

Section II TRANSPORTER (Generator complete a-d, Transporter I complete e-g, Transporter II complete h-n)

TRANSPORTER I

a Name WES BASSETT TRUCKING
b Address 525 RAILROAD AVE
SO. S.F. CA 94080
c Driver Name/Title LARENZO R. (PRINT/TYPE)
d Phone No (415) 588-5666 e Truck No B-42
f Vehicle License No /State 9A37051
Acknowledgement of Receipt of Materials
g Driver Signature — Shipment Date 08/12/96

TRANSPORTER II

h Name
i Address
j Driver Name/Title (PRINT/TYPE)
k Phone No — l Truck No
m Vehicle License No /State
Acknowledgement of Receipt of Materials
n Driver Signature — Shipment Date

Section III DESTINATION (Generator completes a-d, destination site completes e-f)

a Site Name VASCO ROAD, LIVERMORE
b Physical Address 4001 NORTH VASCO Rd.
c Phone No
d Mailing Address
e Discrepancy Indication Space

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

f Name of Authorized Agent — Signature — Receipt Date 08/12/96

Section IV ASBESTOS (Generator complete a-d, f, g Operator* completes e)

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

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

e Operator's* Name & Title: (Print/Type) — Operator's* Signature — Date

f Name and Address of Responsible Agency.

g ☐ Friable, ☐ Non-friable, ☐ Both — % friable — % nonfriable

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

OC-3

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

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

No. 850437

Section I. GENERATOR (Generator completes all of Section I)

a Generator Name PORT OF OAKLAND
b Generating Location 707 Ferry St
c Address 530 Water St
Oakland CA
d Address Oakland CA
e Phone No 510 445-272-1585
f Phone No As above

If owner of the generating facility differs from the generator, provide

g Owner's Name
h Owner's Phone No

i BFI WASTE CODE CA 405 08996 00114

Containers

j Description of Waste Petroleum Cont. Soil

k Quantity | Units T | No | TYPE

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

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

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

Jim Bonifield — Generator Authorized Agent Name
Signature: [signature]
Shipment Date: 08/2/96

Section II TRANSPORTER (Generator complete a-d, Transporter I complete e g, Transporter II complete h-n)

TRANSPORTER I

a Name Greggs Trucking
b Address P.O. Box 1625
San Mateo Ca
c Driver Name/Title Daryl Crockett Owner (PRINT/TYPE)
d Phone No 415-343-5946
e Truck No DC-3
f Vehicle License No./State 9B09279
Acknowledgement of Receipt of Materials
g Driver Signature [signature] Shipment Date 08/2/96

TRANSPORTER II

h Name
i Address
j Driver Name/Title (PRINT/TYPE)
k Phone No
l Truck No
m Vehicle License No/State
Acknowledgement of Receipt of Materials
n Driver Signature Shipment Date

Section III DESTINATION (Generator completes a-d, destination site completes e-f)

a Site Name Vasco Rd, Livermore
b Physical Address
c Phone No
d Mailing Address
e Discrepancy Indication Space

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

f Name of Authorized Agent
Signature [signature]
Receipt Date 8/2/96

Section IV ASBESTOS (Generator complete a-d, f, g, Operator* completes e)

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

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

e Operator's* Name & Title (Print/Type)
Operator's* Signature
Date

f Name and Address of Responsible Agency

g [ ] Friable, [ ] Non friable, [ ] Both % friable % nonfriable

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

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

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

No. 850438

Section I. GENERATOR (Generator completes all of Section I)

a Generator Name Port of Oakland
b Generating Location 707 Ferry St
c Address 530 Water St. Oakland CA
d Address Oakland CA
e Phone No 510 ~~415~~-272-1585
f Phone No As Above

If owner of the generating facility differs from the generator, provide
g Owner's Name
h Owner's Phone No

i BFI WASTE CODE CA 4050809 96 dd114 Containers

j Description of Waste: Petroleum Contam. Soil
k Quantity | Units T | No | TYPE

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

UNITS: P - POUNDS; Y - YARDS; M^3 - CUBIC METERS; Y^3 - CUBIC YARDS; O - OTHER

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

Jon Bonafew — Generator Authorized Agent Name; Signature [signature]; Shipment Date 08/12/96

Section II TRANSPORTER (Generator complete a-d, Transporter I complete e-g, Transporter II complete h-n)

TRANSPORTER I

a Name Accutite
b Address 35 S. Linden SoSF
c Driver Name/Title PRINT/TYPE
d Phone No 415 952-5551
e Truck No C-7
f Vehicle License No./State 2H89408

Acknowledgement of Receipt of Materials

g Driver Signature [signature] Shipment Date 08/12/96

TRANSPORTER II

h Name
i Address
j Driver Name/Title PRINT/TYPE
k Phone No
l Truck No
m Vehicle License No./State

Acknowledgement of Receipt of Materials

n Driver Signature Shipment Date

Section III DESTINATION (Generator completes a-d, destination site completes e-f)

a Site Name Vasco Rd, Livermore
b Physical Address
c Phone No
d Mailing Address
e Discrepancy Indication Space

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

f Name of Authorized Agent; Signature [signature]; Receipt Date 08/13/96

Section IV ASBESTOS (Generator complete a-d, f, g, Operator* completes e)

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

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

e Operator's* Name & Title Print/Type; Operator's* Signature; Date

f Name and Address of Responsible Agency

g ☐ Friable ☐ Non friable ☐ Both % friable % nonfriable

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

39

BFI

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

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

No. 850440

Section I. GENERATOR (Generator completes all of Section I)

a Generator Name: Port of Oakland — b Generating Location: 707 Ferry St

c Address: 530 Water St, Oakland CA — d Address:

e Phone No: 510-272-1585 — f Phone No: As above

If owner of the generating facility differs from the generator, provide

g Owner's Name: — h Owner's Phone No:

i BFI WASTE CODE: CA 405080996 00114 — Containers

j Description of Waste: Petroleum Contam Soil — k Quantity — Units: T — No — TYPE

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

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

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

Jon Bensfield — [signature] — 08/12/96
Generator Authorized Agent Name — Signature — Shipment Date

Section II TRANSPORTER (Generator complete a-d, Transporter I complete e-g, Transporter II complete h-n)

TRANSPORTER I

a Name: Bees Trucking
b Address: POB 1626, San Mateo, Ca
c Driver Name/Title: Perry Ashworth O/O (PRINT/TYPE)
d Phone No: (415) 343 5946 — e Truck No: 39
f Vehicle License No./State: 9B11173 Ca
Acknowledgement of Receipt of Materials
g [signature] — 08/12/96
Driver Signature — Shipment Date

TRANSPORTER II

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

Section III DESTINATION (Generator completes a-d, destination site completes e-f)

a Site Name: Vasco Rd, Livermore — c Phone No:

b Physical Address: — d Mailing Address:

e Discrepancy Indication Space

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

f Name of Authorized Agent — Signature: [signature] — Receipt Date: 8/12/96

Section IV ASBESTOS (Generator complete a-d, f, g, Operator* completes e)

a Operator's* Name — b Operator's* Phone No

c Operator's* Address

d Special Handling Instructions and additional information

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

e Operator's* Name & Title (Print/Type) — Operator's* Signature — Date

f Name and Address of Responsible Agency

g [ ] Friable, [ ] Non-friable, [ ] Both — % friable — % nonfriable

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

260 720B 5/93

#39

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

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

No. 850441

Section I. GENERATOR (Generator completes all of Section I)

a Generator Name: PORT OF OAKLAND
b Generating Location: 704 Ferry St.
c Address: 530 WATER ST. OAKLAND, CA
d Address: Oakland, CA
e Phone No: (510) 272-1585
f Phone No:

If owner of the generating facility differs from the generator, provide

g Owner's Name:
h Owner's Phone No:

i BFI WASTE CODE: CA 405 080996 00114 Containers

j Description of Waste: petrol contam. soil

k Quantity | Units: T | No | TYPE

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

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

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

for John Stewart, Port of OAKLAND

Ron Brecknridge — Ron Brecknridge — 08/29/96

Generator Authorized Agent Name — Signature — Shipment Date

Section II TRANSPORTER (Generator complete a-d, Transporter I complete e-g, Transporter II complete h-n)

TRANSPORTER I

a Name: BREBS TRUCKING
b Address: POB 1626 San MATEO Ca.
c Driver Name/Title (PRINT/TYPE): Perry Ashworth O/O
d Phone No: (415) 343-5946 e Truck No: 39
f Vehicle License No /State: 9B11173 Ca
Acknowledgement of Receipt of Materials
g Perry Ashworth — 08/29/96
Driver Signature — Shipment Date

TRANSPORTER II

h Name:
i Address:
j Driver Name/Title (PRINT/TYPE):
k Phone No: l Truck No:
m Vehicle License No /State:
Acknowledgement of Receipt of Materials
n Driver Signature — Shipment Date

Section III DESTINATION (Generator completes a-d, destination site completes e-f)

a Site Name: VASCO ROAD LANDFILL
b Physical Address: LIVERMORE
c Phone No:
d Mailing Address:
e Discrepancy Indication Space:

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

f Name of Authorized Agent — Signature — 9/2/96 Receipt Date

Section IV ASBESTOS (Generator complete a-d, f, g, Operator* completes e)

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

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

e Operator's* Name & Title (Print/Type) — Operator's* Signature — Date

f Name and Address of Responsible Agency:

g [ ] Friable, [ ] Non-friable, [ ] Both % friable % nonfriable

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

260 7/08 5/93

B-38

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

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

No. 850442

Section I. GENERATOR (Generator completes all of Section I)

a Generator Name: Port of OAKLAND
b Generating Location: 707 Ferry St.
c Address: 530 WATER ST OAKLAND, CA
d Address: OAKLAND, CA
e Phone No: (510) 272-1585
f Phone No:

If owner of the generating facility differs from the generator, provide

g Owner's Name:
h Owner's Phone No

i BFI WASTE CODE: CA 405 080996 00114

j Description of Waste: petrol. cont soil.

k Quantity / Units / No / TYPE: T

Containers TYPE: DM - METAL DRUM; DP - PLASTIC DRUM; B - BAG; BA - 6 MIL PLASTIC BAG or WRAP; T - TRUCK; O - OTHER

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

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

Generator Authorized Agent Name: Ron Breckenridge for Port of OAKLAND
Signature: [signature]
Shipment Date: 080996

Section II TRANSPORTER (Generator complete a-d, Transporter I complete e-g, Transporter II complete h-n)

TRANSPORTER I	TRANSPORTER II
a Name: Wes Bassett Trucking	h Name:
b Address: 525 Railroad Ave SSF.	i Address:
c Driver Name/Title (PRINT/TYPE): David Leo Marsili	j Driver Name/Title (PRINT/TYPE):
d Phone No: 415-588-5666 e Truck No: B-38	k Phone No: l Truck No:
f Vehicle License No/State: 9A08702	m Vehicle License No/State:
Acknowledgement of Receipt of Materials	Acknowledgement of Receipt of Materials
g Driver Signature: [signature] Shipment Date: 8 12 96	n Driver Signature: Shipment Date:

Section III DESTINATION (Generator completes a-d, destination site completes e-f)

a Site Name: VASCO ROAD LANDFILL
c Phone No:
b Physical Address: LIVERMORE
d Mailing Address:

e Discrepancy Indication Space:

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

f Name of Authorized Agent: Signature: [signature] Receipt Date: 8 12 96

Section IV ASBESTOS (Generator complete a-d, f, g, Operator* completes e)

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

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

e Operator's* Name & Title (Print/Type): Operator's* Signature: Date:

f Name and Address of Responsible Agency:

g ☐ Friable, ☐ Non-friable, ☐ Both % friable % nonfriable

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

B-38

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

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

No. 850443

Section I. GENERATOR (Generator completes all of Section I)

a Generator Name: PORT OF OAKLAND
b Generating Location: 707 Ferry St.
c Address: 530 WATER ST
OAKLAND, CA
d Address: OAKLAND, CA
e Phone No: (415) 272-1545
f Phone No:

If owner of the generating facility differs from the generator, provide

g Owner's Name:
h Owner's Phone No:

i BFI WASTE CODE: CA 405 0809 96 00114
Containers:
j Description of Waste:
k Quantity: Units: T No: TYPE:

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

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

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

Ron Breckenridge for John Stewart, Port of OAKLAND
Generator Authorized Agent Name — Signature — Shipment Date: 08/09/96

Section II TRANSPORTER (Generator complete a-d, Transporter I complete e-g, Transporter II complete h-n)

TRANSPORTER I

a Name: WES Bassett Trucking
b Address: 525 Railroad Ave. SSF
c Driver Name/Title (PRINT/TYPE): David Leo Marsili
d Phone No: 415-588-5666 e Truck No: B58
f Vehicle License No /State: 9A06702 Cal.
Acknowledgement of Receipt of Materials.
g Driver Signature — Shipment Date: 8/12/96

TRANSPORTER II

h Name:
i Address:
j Driver Name/Title (PRINT/TYPE):
k Phone No: l Truck No:
m Vehicle License No /State:
Acknowledgement of Receipt of Materials
n Driver Signature — Shipment Date:

Section III DESTINATION (Generator completes a-d, destination site completes e-f)

a Site Name: VASCO ROAD, LIVERMORE
b Physical Address:
c Phone No:
d Mailing Address:
e Discrepancy Indication Space:

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

f Name of Authorized Agent — Signature — Receipt Date: 8/12/96

Section IV ASBESTOS (Generator complete a-d, f, g, Operator* completes e)

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

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

e Operator's* Name & Title (Print/Type) — Operator's* Signature — Date

f Name and Address of Responsible Agency:

g ☐ Friable, ☐ Non-friable, ☐ Both % friable % nonfriable

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

VASCO ROAD SANITARY LANDFILL No: 850793

A DIVISION OF BFI® BROWNING-FERRIS INDUSTRIES

4001 VASCO ROAD
LIVERMORE, CA 94550
(510) 447-0491

Date : 08-12-96 Time In: 08:59:19 Time Out: 09:24:46
Ticket # : A56488 CMS # : 1007640 LMS #: 0000640
Customer : OLYMPIAN OIL CO.
Vehicle # : B42 Lic Plate:
SPECIAL
Manifest # : 850434 PO #: PORT OAK. Transporter: 0
Source Cd : Generator : P00 PORT OF OAKLAND
Comment : BASSETT Operator: RAY
Capacity : 18.00 yd Scale In # : 1 Scale Out #: 2
Gross Wt : 40.55 Tare Wt: 15.90 Net Wt: 24.65 tn

Item	Descr	Actual	Bill Qty	$/Unit	Extended
00114	SOIL	20.00	24.65 TN		

THANK YOU FOR YOUR BUSINESS!!!
HAVE A GREAT DAY!!!

WARNING: Transporting any unauthorized *hazardous waste to this facility for disposal is* prohibited by law. Persons violating this prohibition are subject to civil and criminal prosecution.

All children must remain in vehicles. Absolutely no salvaging allowed.

Ninõs deben de permaneceren en los carros a todas horas.

No se permite llevar cosas del dompe absolutamente.

DRIVER

CUSTOMER

COMPUTERAC • AZ: (602) 585-2858 • CA: (408) 734-5930

VASCO ROAD SANITARY LANDFILL No: 850799

A DIVISION OF BFI® BROWNING-FERRIS INDUSTRIES

4001 VASCO ROAD
LIVERMORE, CA 94550
(510) 447-0491

Date : 08-12-96 Time In: 09:18:57 Time Out: 09:35:00
Ticket # : A56499 CMS # : 1007640 LMS #: 0000640
Customer : OLYMPIAN OIL CO.
Vehicle # : DC3 Lic Plate:
SPECIAL
Manifest # : 850435 PO #: PORT OAK. Transporter: 0
Source Cd : Generator : POO PORT OF OAKLAND
Comment : CROCKETT Operator: MARK
Capacity : 20.00 yd Scale In #: 1 Scale Out #: 2
Gross Wt : 35.89 Tare Wt: 15.79 Net Wt: 20.10 tn

Item	Descr	Actual	Bill Qty	$/Unit	Extended
00114	SOIL	16.00	20.10 TN		

THANK YOU FOR YOUR BUSINESS!!!
HAVE A GREAT DAY!!!

WARNING: Transporting any unauthorized hazardous waste to this facility for disposal is prohibited by law. Persons violating this *prohibition are subject to civil and criminal* prosecution.

All children must remain in vehicles. Absolutely no salvaging allowed.

Ninõs deben de permaneceren en los carros a todas horas.

No se permite llevar cosas del dompe absolutamente.

DRIVER

CUSTOMER

COMPUTERAC • AZ: (602) 585-2858 • CA: (408) 734-5930

VASCO ROAD SANITARY LANDFILL No: 850906

A DIVISION OF BFI® BROWNING-FERRIS INDUSTRIES

4001 VASCO ROAD
LIVERMORE, CA 94550
(510) 447-0491

Date : 08-12-96 Time In: 12:10:35 Time Out: 12:10:35
Ticket # : A56614 CMS # : 1007640 LMS #: 0000640
Customer : OLYMPIAN OIL CO.
Vehicle # : B42 Lic Plate:
SPECIAL
Manifest # : 850436 PO #: PORT OAK. Transporter: 0
Source Cd : Generator : POO PORT OF OAKLAND
Comment : BASSETT Operator: RAY
Capacity : 18.00 yd Scale In # : 3 Scale Out #: Stored
Gross Wt : 34.56 Tare Wt: 15.90 Net Wt: 18.66 tn

Item	Descr	Actual	Bill Qty	$/Unit	Extended
00114	SOIL	14.00	18.66 TN		

THANK YOU FOR YOUR BUSINESS!!!
HAVE A GREAT DAY!!!

WARNING: Transporting any unauthorized hazardous waste to this facility for disposal is prohibited by law. Persons violating this prohibition are subject to civil and criminal prosecution.

All children must remain in vehicles.
Absolutely no salvaging allowed

Ninõs deben de permaneceren en los carros a todas horas.

No se permite llevar cosas del dompe absolutamente.

DRIVER

CUSTOMER

COMPUTERAC • AZ: (602) 585-2858 • CA: (408) 734-5930

VASCO ROAD SANITARY LANDFILL No: 850934

A DIVISION OF BFI® BROWNING-FERRIS INDUSTRIES

4001 VASCO ROAD
LIVERMORE, CA 94550
(510) 447-0491

Date : 08-12-96 Time In: 12:43:38 Time Out: 12:43:38
Ticket # : A56641 CMS # : 1007640 CMS #: 0000640
Customer : OLYMPIAN OIL CO.
Vehicle # : DC3 Lic Plate:
SPECIAL
Manifest # : 850437 PO #: PORT OAK. Transporter: 0
Source Cd : Generator : POO PORT OF OAKLAND
Comment : CROCKETT *Operator: RAY*
Capacity : 20.00 yd Scale In # : 1 Scale Out #: Stored
Gross Wt : 34.14 Tare Wt: 15.79 Net Wt: 18.35 tn

Item	Descr	Actual	Bill Qty	$/Unit	Extended
00114	SOIL	14.00	18.35 TN		

THANK YOU FOR YOUR BUSINESS!!!
HAVE A GREAT DAY!!!

WARNING: Transporting any unauthorized hazardous waste to this facility for disposal is prohibited by law. Persons violating this prohibition are subject to civil and criminal prosecution.

All children must remain in vehicles. Absolutely no salvaging allowed.

Ninõs deben de permaneceren en los carros a todas horas.

No se permite llevar cosas del dompe absolutamente.

DRIVER

CUSTOMER

COMPUTERAC • AZ: (602) 585-2858 • CA: (408) 734-5930

VASCO ROAD SANITARY LANDFILL No: 844618

A DIVISION OF BFI® BROWNING-FERRIS INDUSTRIES

4001 VASCO ROAD
LIVERMORE, CA 94550
(510) 447-0491

Date : 08-13-96 Time In: 10:09:34 Time Out: 10:25:54
Ticket # : A56911 CMS # : 1007640 LMS #: 0000640
Customer : OLYMPIAN OIL CO.
Vehicle # : C7 Lic Plate:
SPECIAL
Manifest # : A50438 PO #: PORT OAK Transporter: 0
Source Cd : Generator : POO PORT OF OAKLAND
Comment : Operator: NOEL
Capacity : 10.00 yd Scale In # : 1 Scale Out #: 2
Gross Wt : 17.00 Tare Wt: 10.74 Net Wt: 6.26 tn

Item	Descr	Actual	Bill Qty	$/Unit	Extended
00114	SOIL	5.00	6.26 TN		

THANK YOU FOR YOUR BUSINESS!!!
HAVE A GREAT DAY!!!

WARNING. Transporting any unauthorized hazardous waste to this facility for disposal is prohibited by law. Persons violating this prohibition are subject to civil and criminal prosecution

All children must remain in vehicles.
Absolutely no salvaging allowed.

Niños deben de permanecer en los carros a todas horas.

No se permite llevar cosas del dompe absolutamente.

VASCO ROAD SANITARY LANDFILL No: 850905

A DIVISION OF BFI® BROWNING-FERRIS INDUSTRIES

4001 VASCO ROAD
LIVERMORE, CA 94550
(510) 447-0491

Date : 08-12-96 Time In: 12:08:35 Time Out: 12:08:35
Ticket # : A56613 CMS # : 1007640 LMS #: 0000640
Customer : OLYMPIAN OIL CO.
Vehicle # : 000039 Lic Plate:
SPECIAL
Manifest # : 850440 PO #: PORT OAK. Transporter: 0
Source Cd : Generator : POO PORT OF OAKLAND
Comment : ASHWORTH Operator: RAY
Capacity : 20.00 yd Scale In # : 1 Scale Out #: Stored
Gross Wt : 34.25 Tare Wt: 15.86 Net Wt: 18.39 tn

Item	Descr	Actual	Bill Qty	$/Unit	Extended
00114	SOIL	14.00	18.39 TN		

THANK YOU FOR YOUR BUSINESS!!!
HAVE A GREAT DAY!!!

WARNING: Transporting any unauthorized hazardous waste to this facility for disposal is prohibited by law. Persons violating this prohibition are subject to civil and criminal prosecution.

All children must remain in vehicles. Absolutely no salvaging allowed.

Niños deben de permanecerен en los carros a todas horas.

No se permite llevar cosas del dompe absolutamente.

DRIVER

CUSTOMER

VASCO ROAD SANITARY LANDFILL No: 850783

A DIVISION OF BFI® BROWNING-FERRIS INDUSTRIES

4001 VASCO ROAD
LIVERMORE, CA 94550
(510) 447-0491

Date : 08-12-96 Time In: 09:02:03 Time Out: 09:14:11
Ticket # : A56490 CMS # : 1007640 LMS #: 0000640
Customer : OLYMPIAN OIL CO.
Vehicle # : 000039 Lic Plate:
SPECIAL
Manifest #: 850441 PO #: PORT OAK. Transporter: 0
Source Cd : Generator : POO PORT OF OAKLAND
Comment : ASHWORTH Operator: RAY
Capacity : 20.00 yd Scale In # : 1 Scale Out #: 2
Gross Wt : 36.85 Tare Wt: 15.86 Net Wt: 20.99 tn

Item	Descr	Actual	Bill Qty	$/Unit	Extended
00114	SOIL	16.00	20.99 TN		

THANK YOU FOR YOUR BUSINESS!!!
HAVE A GREAT DAY!!!

WARNING: *Transporting any unauthorized* hazardous waste to this facility for disposal is prohibited by law. Persons violating this prohibition are subject to civil and criminal prosecution.

All children must remain in vehicles. Absolutely no salvaging allowed.

Ninõs deben de permanecer en los carros a todas horas.

No se permite llevar cosas del dompe absolutamente.

DRIVER

CUSTOMER

VASCO ROAD SANITARY LANDFILL No: 850792

A DIVISION OF BFI® BROWNING-FERRIS INDUSTRIES

4001 VASCO ROAD
LIVERMORE, CA 94550
(510) 447-0491

Date : 08-12-96 Time In: 09:00:42 Time Out: 09:22:52
Ticket # : A56489 CMS # : 1007640 LMS #: 0000640
Customer : OLYMPIAN OIL CO.
Vehicle # : B38 Lic Plate:
SPECIAL
Manifest # : 850442 PO #: PORT OAK. Transporter: 0
Source Cd : Generator : POO PORT OF OAKLAND
Comment : BASSETT Operator: ROY
Capacity : 20.00 yd Scale In # : 1 Scale Out #: 2
Gross Wt : 37.00 Tare Wt: 15.89 Net Wt: 21.11 TN

Item	Descr	Actual	Bill Qty	$/Unit	Extended
00114	SOIL	17.00	21.11 TN		

THANK YOU FOR YOUR BUSINESS!!!
HAVE A GREAT DAY!!!

WARNING: Transporting any unauthorized hazardous waste to this facility for disposal is prohibited by law. Persons violating this prohibition are subject to civil and criminal prosecution.

All children must remain in vehicles. Absolutely no salvaging allowed.

Ninôs deben de permaneceren en los carros a todas horas.

No se permite llevar cosas del dompe absolutamente.

DRIVER

CUSTOMER

VASCO ROAD SANITARY LANDFILL No: 850907

A DIVISION OF BFI® BROWNING-FERRIS INDUSTRIES

4001 VASCO ROAD
LIVERMORE, CA 94550
(510) 447-0491

Date : 08-12-96 Time In: 12:12:13 Time Out: 12:12:13
Ticket # : A56615 CMS # : 1007640 CMS #: 0000640
Customer : OLYMPIAN OIL CO.
Vehicle # : B38 Lic Plate:
SPECIAL
Manifest # : 850443 PO #: PORT OAK. Transporter: 0
Source Cd : Generator : POO PORT OF OAKLAND
Comment : Operator: RAY
Capacity : 20.00 yd Scale In # : 1 Scale Out #: Stored
Gross Wt : 34.40 Tare Wt: 15.89 Net Wt: 18.51 tn

Item	Descr	Actual	Bill Qty	$/Unit	Extended
00114	SOIL	14.00	18.51 TN		

THANK YOU FOR YOUR BUSINESS!!!
HAVE A GREAT DAY!!!

WARNING: Transporting any unauthorized hazardous waste to this facility for disposal is prohibited by law. Persons violating this prohibition are subject to civil and criminal prosecution.

All children must remain in vehicles.
Absolutely no salvaging allowed.

Ninõs deben de permaneceren en los carros a todas horas.

No se permite llevar cosas del dompe absolutamente.

DRIVER

CUSTOMER

ATTACHMENT C

COPIES OF LABORATORY REPORTS

Pace Analytical

Pace Analytical Services, Inc.
1455 McDowell Blvd. North, Suite D
Petaluma, CA 94954
Tel: 707-792-1865
Fax: 707-792-0342

July 26, 1996

Mr. Jeff Hess
Innovative Technical Solutions
2855 Mitchell Drive, Suite 118
Walnut Creek, CA 94598

RE: PACE Project Number: 706151
Client Project ID: Port of Oakland/Berth 25

Dear Mr. Hess:

Enclosed are the results of analyses for sample(s) received on July 24, 1996. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

David A. Pichette
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1455 McDowell Blvd. North, Suite D
Petaluma, CA 94954
Tel: 707-792-1865
Fax 707-792-0342

Pace Analytical

DATE: 07/26/96
PAGE: 1

Innovative Technical Solutions
2855 Mitchell Drive, Suite 118
Walnut Creek, CA 94598

PACE Project Number: 706151
Client Project ID: Port of Oakland/Berth 25

Attn: Mr. Jeff Hess
Phone:

PACE Sample No: 70670138 Date Collected: 07/23/96
Client Sample ID: TANK A Date Received: 07/24/96

Parameters	Results	Units	PRL	Analyzed	Method	Analyst	CAS#	Footnotes
Metals								
Metals, ICP								
Lead	ND	mg/kg	2.78	07/25/96	EPA 6010	SMS	7439-92-1	
Date Digested				07/24/96				
GC -- Volatiles								
GAS/BTEX by CA LUFT, Soil								
Gasoline	ND	ug/kg	200	07/24/96	CA LUFT	AMH		
Benzene	ND	ug/kg	1	07/24/96	CA LUFT	AMH	71-43-2	
Toluene	ND	ug/kg	1	07/24/96	CA LUFT	AMH	108-88-3	
Ethylbenzene	ND	ug/kg	1	07/24/96	CA LUFT	AMH	100-41-4	
Xylene (Total)	ND	ug/kg	2	07/24/96	CA LUFT	AMH	1330-20-7	
a,a,a-Trifluorotoluene (S)	91	%		07/24/96	CA LUFT	AMH	2164-17-2	
4-Bromofluorobenzene (S)	86	%		07/24/96	CA LUFT	AMH	460-00-4	
GC								
8015 Fuel Fingerprint in Soil								
Diesel Fuel	ND	mg/kg	5	07/24/96	TPH by EPA 8015M	DLL	11-84-7...	
n-Pentacosane (S)	99	%		07/24/96	TPH by EPA 8015M	DLL	629-99-2	
Date Extracted				07/24/96				

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1455 McDowell Blvd. North, Suite D
Petaluma, CA 94954
Tel: 707-792-1865
Fax: 707-792-0342

Pace Analytical

PACE Project Number: 706151
Client Project ID: Port of Oakland/Berth 25

PACE Sample No: 70670146 Date Collected: 07/23/96
Client Sample ID: TANK B Date Received: 07/24/96

Parameters	Results	Units	PRL	Analyzed	Method	Analyst	CAS#	Footnotes
Metals								
Metals, ICP								
Lead	ND	mg/kg	2.79	07/25/96	EPA 6010	SMS	7439-92-1	
Date Digested				07/24/96				
GC -- Volatiles								
GAS/BTEX by CA LUFT, Soil								
Gasoline	ND	ug/kg	200	07/24/96	CA LUFT	AMH		
Benzene	1.9	ug/kg	1	07/24/96	CA LUFT	AMH	71-43-2	
Toluene	ND	ug/kg	1	07/24/96	CA LUFT	AMH	108-88-3	
Ethylbenzene	ND	ug/kg	1	07/24/96	CA LUFT	AMH	100-41-4	
Xylene (Total)	ND	ug/kg	2	07/24/96	CA LUFT	AMH	1330-20-7	
a,a,a-Trifluorotoluene (S)	92	%		07/24/96	CA LUFT	AMH	2164-17-2	
4-Bromofluorobenzene (S)	90	%		07/24/96	CA LUFT	AMH	460-00-4	
GC								
8015 Fuel Fingerprint in Soil								
Diesel Fuel	ND	mg/kg	5	07/24/96	TPH by EPA 8015M	DLL	11-84-7...	
n-Pentacosane (S)	86	%		07/24/96	TPH by EPA 8015M	DLL	629-99-2	
Date Extracted				07/24/96				

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1455 McDowell Blvd. North, Suite D
Petaluma, CA 94954
Tel: 707-792-1865
Fax: 707-792-0342

Pace Analytical

PACE Project Number: 706151
Client Project ID: Port of Oakland/Berth 25

PACE Sample No: 70670153 Date Collected: 07/23/96
Client Sample ID: WESTWALL (OE)- 8' Date Received: 07/24/96

Parameters	Results	Units	PRL	Analyzed	Method	Analyst	CAS#	Footnotes
Metals								
Metals, ICP								
Lead	48.2	mg/kg	4.9	07/25/96	EPA 6010	SMS	7439-92-1	
Date Digested				07/24/96				
GC -- Volatiles								
GAS/BTEX by CA LUFT, Soil								
Gasoline	ND	ug/kg	200	07/24/96	CA LUFT	AMH		
Benzene	ND	ug/kg	1	07/24/96	CA LUFT	AMH	71-43-2	
Toluene	ND	ug/kg	1	07/24/96	CA LUFT	AMH	108-88-3	
Ethylbenzene	ND	ug/kg	1	07/24/96	CA LUFT	AMH	100-41-4	
Xylene (Total)	ND	ug/kg	2	07/24/96	CA LUFT	AMH	1330-20-7	
a,a,a-Trifluorotoluene (S)	109	%		07/24/96	CA LUFT	AMH	2164-17-2	
4-Bromofluorobenzene (S)	44	%		07/24/96	CA LUFT	AMH	460-00-4	
GC								
8015 Fuel Fingerprint in Soil								
Diesel Fuel	45	mg/kg	5	07/24/96	TPH by EPA 8015M	DLL	11-84-7...	1
n-Pentacosane (S)	80	%		07/24/96	TPH by EPA 8015M	DLL	629-99-2	
Date Extracted				07/24/96				

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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Petaluma, CA 94954
Tel: 707-792-1865
Fax: 707-792-0342

Pace Analytical

PACE Project Number: 706151
Client Project ID: Port of Oakland/Berth 25

PACE Sample No: 70670161 Date Collected: 07/23/96
Client Sample ID: NORTHWALL Date Received: 07/24/96

Parameters	Results	Units	PRL	Analyzed	Method	Analyst	CAS#	Footnotes
Metals								
Metals, ICP								
Lead	ND	mg/kg	4.42	07/25/96	EPA 6010	SMS	7439-92-1	
Date Digested				07/24/96				
GC -- Volatiles								
GAS/BTEX by CA LUFT, Soil								
Gasoline	ND	ug/kg	200	07/24/96	CA LUFT	AMH		
Benzene	ND	ug/kg	1	07/24/96	CA LUFT	AMH	71-43-2	
Toluene	ND	ug/kg	1	07/24/96	CA LUFT	AMH	108-88-3	
Ethylbenzene	ND	ug/kg	1	07/24/96	CA LUFT	AMH	100-41-4	
Xylene (Total)	ND	ug/kg	2	07/24/96	CA LUFT	AMH	1330-20-7	
a,a,a-Trifluorotoluene (S)	107	%		07/24/96	CA LUFT	AMH	2164-17-2	
4-Bromofluorobenzene (S)	43	%		07/24/96	CA LUFT	AMH	460-00-4	
GC								
8015 Fuel Fingerprint in Soil								
Diesel Fuel	13	mg/kg	5	07/24/96	TPH by EPA 8015M	DLL	11-84-7...	1
n-Pentacosane (S)	96	%		07/24/96	TPH by EPA 8015M	DLL	629-99-2	
Date Extracted				07/24/96				

REPORT OF LABORATORY ANALYSIS

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Pace Analytical

PACE Project Number: 706151
Client Project ID: Port of Oakland/Berth 25

PACE Sample No: 70670179 Date Collected: 07/23/96
Client Sample ID: SOUTHWALL Date Received: 07/24/96

Parameters	Results	Units	PRL	Analyzed	Method	Analyst	CAS#	Footnotes
Metals								
Metals, ICP								
Lead	119	mg/kg	4.55	07/25/96	EPA 6010	SMS	7439-92-1	
Date Digested				07/24/96				
GC -- Volatiles								
GAS/BTEX by CA LUFT, Soil								
Gasoline	330	ug/kg	200	07/24/96	CA LUFT	AMH		
Benzene	ND	ug/kg	5	07/24/96	CA LUFT	AMH	71-43-2	
Toluene	44	ug/kg	5	07/24/96	CA LUFT	AMH	108-88-3	
Ethylbenzene	6.4	ug/kg	5	07/24/96	CA LUFT	AMH	100-41-4	
Xylene (Total)	12	ug/kg	10	07/24/96	CA LUFT	AMH	1330-20-7	
a,a,a-Trifluorotoluene (S)	93	%		07/24/96	CA LUFT	AMH	2164-17-2	
4-Bromofluorobenzene (S)	92	%		07/24/96	CA LUFT	AMH	460-00-4	
GC								
8015 Fuel Fingerprint in Soil								
Diesel Fuel	220	mg/kg	50	07/24/96	TPH by EPA 8015M	DLL	11-84-7...	1
n-Pentacosane (S)	71	%		07/24/96	TPH by EPA 8015M	DLL	629-99-2	
Date Extracted				07/24/96				

REPORT OF LABORATORY ANALYSIS

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Pace Analytical

PACE Project Number: 706151
Client Project ID: Port of Oakland/Berth 25

PACE Sample No: 70670187 Date Collected: 07/23/96
Client Sample ID: GW SAMPLE Date Received: 07/24/96

Parameters	Results	Units	PRL	Analyzed	Method	Analyst	CAS#	Footnotes
Metals								
Metals, ICP								
Lead	881	ug/L	50	07/25/96	EPA 6010	SMS	7439-92-1	
Date Digested				07/24/96				
Wet Chemistry								
Total Dissolved Solids								
Total Dissolved Solids	2420	mg/L	5	07/24/96	EPA 160.1	LMD		
GC -- Volatiles								
GAS/BTEX by CA LUFT, Water								
Gasoline	9400	ug/L	500	07/24/96	CA LUFT	AMH		
Benzene	28	ug/L	5	07/24/96	CA LUFT	AMH	71-43-2	
Toluene	42	ug/L	5	07/24/96	CA LUFT	AMH	108-88-3	
Ethylbenzene	150	ug/L	5	07/24/96	CA LUFT	AMH	100-41-4	
Xylene (Total)	2000	ug/L	10	07/24/96	CA LUFT	AMH	1330-20-7	
a,a,a-Trifluorotoluene (S)	100	%		07/24/96	CA LUFT	AMH	2164-17-2	
4-Bromofluorobenzene (S)	105	%		07/24/96	CA LUFT	AMH	460-00-4	
GC								
8015 Fuel Fingerprint in Water								
Diesel Fuel	9.6	mg/L	0.5	07/26/96	TPH by EPA 8015M	DLL	11-84-7...	1
n-Pentacosane (S)	70	%		07/26/96	TPH by EPA 8015M	DLL	629-99-2	
Date Extracted				07/25/96				

REPORT OF LABORATORY ANALYSIS

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Pace Analytical

PACE Project Number: 706151
Client Project ID: Port of Oakland/Berth 25

PACE Sample No: 70670195 Date Collected: 07/23/96
Client Sample ID: SP NO. 1-4 Date Received: 07/24/96

Parameters	Results	Units	PRL	Analyzed	Method	Analyst	CAS#	Footnotes
Metals								
Metals, ICP								
Lead	32.4	mg/kg	3.25	07/25/96	EPA 6010	SMS	7439-92-1	
Date Digested				07/24/96				
GC -- Volatiles								
GAS/BTEX by CA LUFT, Soil								
Gasoline	14000	ug/kg	1000	07/24/96	CA LUFT	AMH		
Benzene	ND	ug/kg	5	07/24/96	CA LUFT	AMH	71-43-2	
Toluene	43	ug/kg	5	07/24/96	CA LUFT	AMH	108-88-3	
Ethylbenzene	200	ug/kg	5	07/24/96	CA LUFT	AMH	100-41-4	
Xylene (Total)	1800	ug/kg	10	07/24/96	CA LUFT	AMH	1330-20-7	
a,a,a-Trifluorotoluene (S)	103	%		07/24/96	CA LUFT	AMH	2164-17-2	
4-Bromofluorobenzene (S)	106	%		07/24/96	CA LUFT	AMH	460-00-4	
GC								
8015 Fuel Fingerprint in Soil								
Diesel Fuel	350	mg/kg	50	07/24/96	TPH by EPA 8015M	DLL	11-84-7...	1,2
n-Pentacosane (S)	82	%		07/24/96	TPH by EPA 8015M	DLL	629-99-2	
Date Extracted				07/24/96				

REPORT OF LABORATORY ANALYSIS

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Pace Analytical

PACE Project Number: 706151
Client Project ID: Port of Oakland/Berth 25

PACE Sample No: 70670203 Date Collected: 07/23/96
Client Sample ID: TRIP BLANK Date Received: 07/24/96

Parameters	Results	Units	PRL	Analyzed	Method	Analyst	CAS#	Footnotes
GC -- Volatiles								
GAS/BTEX by CA LUFT, Water								
Gasoline	ND	ug/L	50	07/24/96	CA LUFT	AMH		
Benzene	ND	ug/L	0.5	07/24/96	CA LUFT	AMH	71-43-2	
Toluene	ND	ug/L	0.5	07/24/96	CA LUFT	AMH	108-88-3	
Ethylbenzene	ND	ug/L	0.5	07/24/96	CA LUFT	AMH	100-41-4	
Xylene (Total)	ND	ug/L	1	07/24/96	CA LUFT	AMH	1330-20-7	
a,a,a-Trifluorotoluene (S)	96	%		07/24/96	CA LUFT	AMH	2164-17-2	
4-Bromofluorobenzene (S)	94	%		07/24/96	CA LUFT	AMH	460-00-4	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical

PACE Project Number: 706151
Client Project ID: Port of Oakland/Berth 25

PARAMETER FOOTNOTES

ND	Not Detected
NC	Not Calculable
PRL	PACE Reporting Limit
(S)	Surrogate
[1]	High boiling point hydrocarbons are present in sample.
[2]	Hydrocarbons present do not match profile of laboratory standard.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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Pace Analytical

QUALITY CONTROL DATA

Innovative Technical Solutions
2855 Mitchell Drive, Suite 118
Walnut Creek, CA 94598

PACE Project Number: 706151
Client Project ID: Port of Oakland/Berth 25

Attn: Mr. Jeff Hess
Phone:

QC Batch ID: 16004 QC Batch Method: EPA 3550 Date of Batch: 07/22/96
Associated PACE Samples: 70670138 70670146 70670153 70670161 70670179 70670195

METHOD BLANK: 70670369
Associated PACE Samples: 70670138 70670146 70670153 70670161 70670179 70670195

Parameter	Units	Method Blank Result	PRL	Footnotes
Diesel Fuel	mg/kg	ND	5	
n-Pentacosane (S)	%	85		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 70670377 70670385

Parameter	Units	70670179	Spike Conc.	Matrix Spike Result	Spike % Rec	Matrix Sp. Dup. Result	Spike Dup % Rec	RPD	Footnotes
Diesel Fuel	mg/kg	220	33	158	-181	114	-314	54	1,1
n-Pentacosane (S)					77		79		

LABORATORY CONTROL SAMPLE & LCSD: 70666292 70666300

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	LCSD Result	Spike Dup % Rec	RPD	Footnotes
Diesel Fuel	mg/kg	33	30.3	91	29.4	88	3	
n-Pentacosane (S)				91		99		

REPORT OF LABORATORY ANALYSIS

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Pace Analytical

QUALITY CONTROL DATA

Innovative Technical Solutions
2855 Mitchell Drive, Suite 118
Walnut Creek, CA 94598

PACE Project Number: 706151
Client Project ID: Port of Oakland/Berth 25

Attn: Mr. Jeff Hess
Phone:

QC Batch ID: 16016
QC Batch Method: CA LUFT
Date of Batch: 07/22/96
Associated PACE Samples: 70670187 70670203

METHOD BLANK: 70668116
Associated PACE Samples: 70670187 70670203

Parameter	Units	Method Blank Result	PRL	Footnotes
Gasoline	ug/L	ND	50	
Benzene	ug/L	ND	0.5	
Toluene	ug/L	ND	0.5	
Ethylbenzene	ug/L	ND	0.5	
Xylene (Total)	ug/L	ND	1	
a,a,a-Trifluorotoluene (S)	%	98		
4-Bromofluorobenzene (S)	%	96		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 70667324 70667332

Parameter	Units	70664230	Spike Conc.	Matrix Spike Result	Spike % Rec	Matrix Sp. Dup. Result	Spike Dup % Rec	RPD	Footnotes
Benzene	ug/L	ND	100	94.2	94	97.2	97	3	
Toluene	ug/L	0.89	100	95.3	94	95.3	94	0	
Ethylbenzene	ug/L	0.56	100	89.9	89	91	90	1	
Xylene (Total)	ug/L	1.1	300	279	93	278	92	1	
a,a,a-Trifluorotoluene (S)					101		98		
4-Bromofluorobenzene (S)					98		94		

REPORT OF LABORATORY ANALYSIS

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Pace Analytical

QUALITY CONTROL DATA

PACE Project Number: 706151
Client Project ID: Port of Oakland/Berth 25

LABORATORY CONTROL SAMPLE & LCSD: 70667076 70667084

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	LCSD Result	Spike Dup % Rec	RPD	Footnotes
Benzene	ug/L	100	88.9	89	98.6	99	11	
Toluene	ug/L	100	91.1	91	98.4	98	7	
Ethylbenzene	ug/L	100	94.6	95	99.3	99	4	
Xylene (Total)	ug/L	300	278	93	291	97	4	
a,a,a-Trifluorotoluene (S)				84		98		
4-Bromofluorobenzene (S)				99		108		

REPORT OF LABORATORY ANALYSIS

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Pace Analytical

QUALITY CONTROL DATA

Innovative Technical Solutions
2855 Mitchell Drive, Suite 118
Walnut Creek, CA 94598

PACE Project Number: 706151
Client Project ID: Port of Oakland/Berth 25

Attn: Mr. Jeff Hess
Phone:

QC Batch ID: 16022 QC Batch Method: CA LUFT Date of Batch: 07/22/96
Associated PACE Samples: 70670138 70670146 70670153 70670161 70670179 70670195

METHOD BLANK: 70668124
Associated PACE Samples: 70670138 70670146 70670153 70670161 70670179 70670195

Parameter	Units	Method Blank Result	PRL	Footnotes
Gasoline	ug/kg	ND	200	
Benzene	ug/kg	ND	1	
Toluene	ug/kg	ND	1	
Ethylbenzene	ug/kg	ND	1	
Xylene (Total)	ug/kg	ND	2	
a,a,a-Trifluorotoluene (S)	%	94		
4-Bromofluorobenzene (S)	%	80		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 70669916 70669924

Parameter	Units	70669007	Spike Conc.	Matrix Spike Result	Spike % Rec	Matrix Sp. Dup. Result	Spike Dup % Rec	RPD	Footnotes
Benzene	ug/kg	ND	100	113	113	122	122	8	
Toluene	ug/kg	ND	100	116	116	122	122	5	
Ethylbenzene	ug/kg	ND	100	110	110	118	118	7	
Xylene (Total)	ug/kg	ND	300	336	112	351	117	4	
a,a,a-Trifluorotoluene (S)					102		109		
4-Bromofluorobenzene (S)					97		104		

REPORT OF LABORATORY ANALYSIS

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Pace Analytical

QUALITY CONTROL DATA

PACE Project Number: 706151
Client Project ID: Port of Oakland/Berth 25

LABORATORY CONTROL SAMPLE & LCSD: 70667183 70667191

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	LCSD Result	Spike Dup % Rec	RPD	Footnotes
Benzene	ug/kg	100	97.5	98	94.5	95	3	
Toluene	ug/kg	100	102	102	98.5	99	3	
Ethylbenzene	ug/kg	100	107	107	104	104	3	
Xylene (Total)	ug/kg	300	310	103	301	100	3	
a,a,a-Trifluorotoluene (S)				100		99		
4-Bromofluorobenzene (S)				111		109		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Innovative Technical Solutions
2855 Mitchell Drive, Suite 118
Walnut Creek, CA 94598

PACE Project Number: 706151
Client Project ID: Port of Oakland/Berth 25

Attn: Mr. Jeff Hess
Phone:

QC Batch ID: 16084 QC Batch Method: EPA 3050 Date of Batch: 07/24/96
Associated PACE Samples: 70670138 70670146 70670153 70670161 70670179 70670195

METHOD BLANK: 70670211
Associated PACE Samples: 70670138 70670146 70670153 70670161 70670179 70670195

Parameter	Units	Method Blank Result	PRL	Footnotes
Lead	mg/kg	ND	5	

MATRIX SPIKE: 70670229

Parameter	Units	70669932	Spike Conc.	Matrix Spike Result	Spike % Rec	Footnotes
Lead	mg/kg	16.4	94.3	97	85	

LABORATORY CONTROL SAMPLE & LCSD: 70670245 70670252

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	LCSD Result	Spike Dup % Rec	RPD	Footnotes
Lead	mg/kg	100	95.4	95	98.6	99	4	

SAMPLE DUPLICATE: 70670237

Parameter	Units	70669932	Dup. Result	RPD	Footnotes
Lead	mg/kg	16.4	16.2	1	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Innovative Technical Solutions
2855 Mitchell Drive, Suite 118
Walnut Creek, CA 94598

PACE Project Number: 706151
Client Project ID: Port of Oakland/Berth 25

Attn: Mr. Jeff Hess
Phone:

QC Batch ID: 16085
QC Batch Method: EPA 3010
Date of Batch: 07/24/96
Associated PACE Samples: 70670187

METHOD BLANK: 70670260
Associated PACE Samples:
70670187

Parameter	Units	Method Blank Result	PRL	Footnotes
Lead	ug/L	ND	50	

MATRIX SPIKE: 70670294

Parameter	Units	70670187	Spike Conc.	Matrix Spike Result	Spike % Rec	Footnotes
Lead	ug/L	881	2000	2650	89	

LABORATORY CONTROL SAMPLE & LCSD: 70670278 70670286

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	LCSD Result	Spike Dup % Rec	RPD	Footnotes
Lead	ug/L	2000	2120	106	2100	105	1	

SAMPLE DUPLICATE: 70670302

Parameter	Units	70670187	Dup. Result	RPD	Footnotes
Lead	ug/L	881	799	10	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Innovative Technical Solutions
2855 Mitchell Drive, Suite 118
Walnut Creek, CA 94598

PACE Project Number: 706151
Client Project ID: Port of Oakland/Berth 25

Attn: Mr. Jeff Hess
Phone:

QC Batch ID: 16092
QC Batch Method: EPA 3510
Date of Batch: 07/24/96
Associated PACE Samples: 70670187

METHOD BLANK: 70670393
Associated PACE Samples:
70670187

Parameter	Units	Method Blank Result	PRL	Footnotes
Diesel Fuel	mg/L	0.05	0.05	2,3
n-Pentacosane (S)	%	87		

LABORATORY CONTROL SAMPLE & LCSD: 70670401 70670419

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	LCSD Result	Spike Dup % Rec	RPD	Footnotes
Diesel Fuel	mg/L	1	0.794	79	0.862	86	8	
n-Pentacosane (S)				96		96		

REPORT OF LABORATORY ANALYSIS

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Pace Analytical

QUALITY CONTROL DATA

Innovative Technical Solutions
2855 Mitchell Drive, Suite 118
Walnut Creek, CA 94598

PACE Project Number: 706151
Client Project ID: Port of Oakland/Berth 25

Attn: Mr. Jeff Hess
Phone:

QC Batch ID: 16095
QC Batch Method: EPA 160.1
Date of Batch: 07/25/96
Associated PACE Samples: 70670187

METHOD BLANK: 70670633
Associated PACE Samples:
70670187

Parameter	Units	Method Blank Result	PRL	Footnotes
Total Dissolved Solids	mg/L	ND	5	

SAMPLE DUPLICATE: 70670641

Parameter	Units	70670187	Dup. Result	RPD	Footnotes
Total Dissolved Solids	mg/L	2420	2450	1	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical

PACE Project Number: 706151
Client Project ID: Port of Oakland/Berth 25

QUALITY CONTROL DATA PARAMETER FOOTNOTES

The Quality Control Sample Final Results listed above have been rounded to reflect an appropriate number of significant figures. Consistent with EPA guidelines unrounded concentrations have been used to calculate % Rec and RPD values.

ND	Not Detected
NC	Not Calculable
PRL	PACE Reporting Limit
RPD	Relative Percent Difference
(S)	Surrogate
[1]	Due to high analyte concentration the matrix spike and/or matrix spike duplicate do not provide reliable recovery data.
[2]	Possible laboratory contaminant.
[3]	Hydrocarbons present do not match profile of laboratory standard.

REPORT OF LABORATORY ANALYSIS

INNOVATIVE TECHNICAL SOLUTIONS, Inc.

ITSI
2855 Mitchell Drive, Suite 118
Walnut Creek, California 94598
(510) 256-8898 (Tel), (510) 256-8998 (Fax)

PROJECT NAME: Port of Oakland
PROJECT NUMBER: 96-113.08
SITE LOCATION: Berth 25

CHAIN OF CUSTODY

DATE: 7/23
PAGE: 1 of 1

SAMPLE I.D.	SAMPLE DEPTH	DATE	TIME	NUMBER OF CONTAINERS	TYPE OF CONTAINERS	SAMPLE MATRIX	ANALYSIS: TPH as Gas/BTEX - 8015/8020	TPH as Diesel - 8015	TPH as Hydraulic Oil - 8015	TEPH - 8015	TRPH - 418.1	Oil and Grease - 5520	Purgeable Halocarbons - 8010	VOCs - 8240	SVOCs - 8270	LUFT Metals (Cd, Cr, Ni, Pb, Zn) Total 6010 Lead	CAM 17 Metals	TDS	SPECIAL INSTRUCTIONS/COMMENTS	TOTAL NUMBER OF ANALYSES
TANK A	12'	7/23	1145	1	SS Sleeve	Soil	X	X								X				4
TANK B	12'		1145	1			X	X								X				4
WestWall (OE)-8	8'		215	1			X	X								X				4
NorthWall	8'		200	1			X	X								X				4
SouthWall	8'		220	1			X	X								X				4
GW Sample	12'		130	4	bottles			X								X				4
			130	3	40ml VOA		X									X		X		3
SP #1	—		230	1	SS Sleeve	Soil	X	X								X				2
SP #2	—		230	1		Soil													Composite sample	4
SP #3	—		230	1		Soil														
SP #4	—		230	1		Soil														
TRIP Blank	—		—	2	40ml VOA	H_2O	X													
TOTAL NUMBER OF CONTAINERS				18	TOTAL TESTS		16	7								7		1		2

SAMPLED BY: Tej Singh
SIGNATURE: [signature]

SPECIAL INSTRUCTIONS/COMMENTS: X 48 hour Turnaround / Composite SP#1-4 + run on suite of analysis.

RELINQUISHED BY: Tej Singh [signature]
Printed Name Signature
ITSI 7/23/96
Company Date and Time

RECEIVED BY: [signature]
Printed Name Signature
Rac 7/24/96 11:40
Company Date and Time

RELINQUISHED BY: _____
Printed Name Signature
Company Date and Time

RECEIVED BY: _____
Printed Name Signature
Company Date and Time

RELINQUISHED BY: _____
Printed Name Signature
Company Date and Time

RECEIVED BY: _____
Printed Name Signature
Company Date and Time

SEND RESULTS TO: ITSI, Att: Tej Singh

INNOVATIVE TECHNICAL SOLUTIONS, Inc.

ITSI
2855 Mitchell Drive, Suite 118
Walnut Creek, California 94598
(510) 256-8898 (Tel), (510) 256-8998 (Fax)

PROJECT NAME: Port of Oakland
PROJECT NUMBER: 96-113.08
SITE LOCATION: Berth 25

CHAIN OF CUSTODY

DATE: 7/23
PAGE: 1 of 1

SAMPLE I.D.	SAMPLE DEPTH	DATE	TIME	NUMBER OF CONTAINERS	TYPE OF CONTAINERS	SAMPLE MATRIX	ANALYSIS: TPH as Gas/BTEX - 8015/8020	TPH as Diesel - 8015	TPH as Hydraulic Oil - 8015	TEPH - 8015	TRPH - 418.1	Oil and Grease - 5520	Purgeable Halocarbons - 8010	VOCs - 8240	SVOCs - 8270	LUFT Metals (Cd, Cr, Ni, Pb, Zn) Total & STLC Lead	CAM 17 Metals	TDS	SPECIAL INSTRUCTIONS/COMMENTS	TOTAL NUMBER OF ANALYSES
TANK A	12'	7/23	1145	1	SS sleeve	Soil	X	X								X				4
TANK B	12'	"	1145	1	"	"	X	X								X				4
WestWall (OE)-8'	8'	"	215	1	"	"	X	X								XX				4
NorthWall	8'	"	200	1	"	"	X	X								X				4
SouthWall	8'	"	220	1	"	"	X	X								X				4
GW Sample	12'	"	130	4	bottles	"		X								X				4
"	"	"	130	3	40ml VOA	"	X									X		X		3
SP #1	—	"	230	1	SS sleeve	Soil	X	X								X			composite sample	2
SP #2	—	"	230	1	"	Soil														4
SP #3	—	"	230	1	"	Soil														
SP #4	—	"	230	1	"	Soil														
TRIP Blank	—	"	—	2	40ml VOA	H_2O	X													2
TOTAL NUMBER OF CONTAINERS				18	TOTAL TESTS		16	7								7		1		

SAMPLED BY: Tej Singh
SIGNATURE: TJ Singh

SPECIAL INSTRUCTIONS/COMMENTS: X 48 hour Turnaround / Composite SP#1-4 + run on suite of analysis.

RELINQUISHED BY: Tej Singh TJ Singh
Printed Name Signature
ITSI 7/23/96
Company Date and Time

RECEIVED BY:
Printed Name Signature
Company Date and Time

RELINQUISHED BY:
Printed Name Signature
Company Date and Time

RECEIVED BY:
Printed Name Signature
Company Date and Time

RELINQUISHED BY:
Printed Name Signature
Company Date and Time

RECEIVED BY:
Printed Name Signature
Company Date and Time

SEND RESULTS TO: ITSI, Att: Tej Singh

Pace Analytical Services, Inc.
1455 McDowell Blvd. North, Suite D
Petaluma, CA 94954
Tel: 707-792-1865
Fax. 707-792-0342

Pace Analytical

July 03, 1996

Mr. Jeff Hess
Innovative Technical Solutions
2855 Mitchell Drive, Suite 118
Walnut Creek, CA 94598

RE: PACE Project Number: 705955
Client Project ID: Port of Oakland/Transbay

Dear Mr. Hess:

Enclosed are the results of analyses for sample(s) received on June 24, 1996. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

David A. Pichette
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1455 McDowell Blvd. North, Suite D
Petaluma, CA 94954
Tel: 707-792-1865
Fax: 707-792-0342

Pace Analytical

DATE: 07/03/96
PAGE: 1

Innovative Technical Solutions
2855 Mitchell Drive, Suite 118
Walnut Creek, CA 94598

PACE Project Number: 705955
Client Project ID: Port of Oakland/Transbay

Attn: Mr. Jeff Kess
Phone:

PACE Sample No: 70641931 Date Collected: 06/21/96
Client Sample ID: TRIP BLANKS Date Received: 06/24/96

Parameters	Results	Units	PRL	Analyzed	Method	Analyst	CAS#	Footnotes
GC -- Volatiles								
GAS/BTEX by CA LUFT, Water								
Gasoline	ND	ug/L	50	07/01/96	CA LUFT	PFW		
Benzene	ND	ug/L	0.5	07/01/96	CA LUFT	PFW	71-43-2	
Toluene	ND	ug/L	0.5	07/01/96	CA LUFT	PFW	108-88-3	
Ethylbenzene	ND	ug/L	0.5	07/01/96	CA LUFT	PFW	100-41-4	
Xylene (Total)	ND	ug/L	1	07/01/96	CA LUFT	PFW	1330-20-7	
a,a,a-Trifluorotoluene (S)	103	%		07/01/96	CA LUFT	PFW	2164-17-2	
4-Bromofluorobenzene (S)	101	%		07/01/96	CA LUFT	PFW	460-00-4	

REPORT OF LABORATORY ANALYSIS

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Petaluma, CA 94954
Tel: 707-792-1865
Fax: 707-792-0342

Pace Analytical

PACE Project Number: 705955
Client Project ID: Port of Oakland/Transbay

PACE Sample No: 70641949 Date Collected: 06/21/96
Client Sample ID: TANK A Date Received: 06/24/96

Parameters	Results	Units	PRL	Analyzed	Method	Analyst	CAS#	Footnotes
Metals								
Metals, ICP								
Lead	305	mg/kg	4.27	07/03/96	EPA 6010	BBF	7439-92-1	
Date Digested				07/03/96				
GC -- Volatiles								
GAS/BTEX by CA LUFT, Soil								
Gasoline	1900000	ug/kg	50000	06/27/96	CA LUFT	AMH		
Benzene	270	ug/kg	120	06/27/96	CA LUFT	AMH	71-43-2	
Toluene	16000	ug/kg	120	06/27/96	CA LUFT	AMH	108-88-3	
Ethylbenzene	ND	ug/kg	120	06/27/96	CA LUFT	AMH	100-41-4	
Xylene (Total)	160000	ug/kg	250	06/27/96	CA LUFT	AMH	1330-20-7	
a,a,a-Trifluorotoluene (S)	117	%		06/27/96	CA LUFT	AMH	2164-17-2	
4-Bromofluorobenzene (S)	156	%		06/27/96	CA LUFT	AMH	460-00-4	
GC								
TPH in Soil by 8015 Modified								
Diesel Fuel	1300	mg/kg	1000	06/26/96	TPH by EPA 8015M	DLL	11-84-7...	1,2
n-Pentacosane (S)	0	%		06/26/96	TPH by EPA 8015M	DLL	629-99-2	3
Date Extracted				06/25/96				

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1455 McDowell Blvd. North, Suite D
Petaluma, CA 94954
Tel: 707-792-1865
Fax: 707-792-0342

Pace Analytical

PACE Project Number: 705955
Client Project ID: Port of Oakland/Transbay

PACE Sample No: 70641956 Date Collected: 06/21/96
Client Sample ID: TANK B Date Received: 06/24/96

Parameters	Results	Units	PRL	Analyzed	Method	Analyst	CAS#	Footnotes
Metals								
Metals, ICP								
Lead	ND	mg/kg	4.81	07/03/96	EPA 6010	BBF	7439-92-1	
Date Digested				07/03/96				
GC -- Volatiles								
GAS/BTEX by CA LUFT, Soil								
Gasoline	600000	ug/kg	25000	06/27/96	CA LUFT	AMH		
Benzene	ND	ug/kg	120	06/27/96	CA LUFT	AMH	71-43-2	
Toluene	240	ug/kg	120	06/27/96	CA LUFT	AMH	108-88-3	
Ethylbenzene	ND	ug/kg	120	06/27/96	CA LUFT	AMH	100-41-4	
Xylene (Total)	13000	ug/kg	250	06/27/96	CA LUFT	AMH	1330-20-7	
a,a,a-Trifluorotoluene (S)	95	%		06/27/96	CA LUFT	AMH	2164-17-2	
4-Bromofluorobenzene (S)	120	%		06/27/96	CA LUFT	AMH	460-00-4	
GC								
TPH in Soil by 8015 Modified								
Diesel Fuel	960	mg/kg	25	06/26/96	TPH by EPA 8015M	DLL	11-84-7...	4
n-Pentacosane (S)	63	%		06/26/96	TPH by EPA 8015M	DLL	629-99-2	
Date Extracted				06/25/96				

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc
1455 McDowell Blvd. North, Suite D
Petaluma, CA 94954
Tel: 707-792-1865
Fax: 707-792-0342

Pace Analytical

PACE Project Number: 705955
Client Project ID: Port of Oakland/Transbay

PACE Sample No: 70641964 Date Collected: 06/21/96
Client Sample ID: EAST WALL Date Received: 06/24/96

Parameters	Results	Units	PRL	Analyzed	Method	Analyst	CAS#	Footnotes
Metals								
Metals, ICP								
Lead	5.78	mg/kg	4.13	07/03/96	EPA 6010	BBF	7439-92-1	
Date Digested				07/03/96				
GC -- Volatiles								
GAS/BTEX by CA LUFT, Soil								
Gasoline	ND	ug/kg	200	06/27/96	CA LUFT	AMH		
Benzene	ND	ug/kg	1	06/27/96	CA LUFT	AMH	71-43-2	
Toluene	1.1	ug/kg	1	06/27/96	CA LUFT	AMH	108-88-3	
Ethylbenzene	ND	ug/kg	1	06/27/96	CA LUFT	AMH	100-41-4	
Xylene (Total)	ND	ug/kg	2	06/27/96	CA LUFT	AMH	1330-20-7	
a,a,a-Trifluorotoluene (S)	98	%		06/27/96	CA LUFT	AMH	2164-17-2	
4-Bromofluorobenzene (S)	92	%		06/27/96	CA LUFT	AMH	460-00-4	
GC								
TPH in Soil by 8015 Modified								
Diesel Fuel	ND	mg/kg	5	06/26/96	TPH by EPA 8015M	DLL	11-84-7...	
n-Pentacosane (S)	86	%		06/26/96	TPH by EPA 8015M	DLL	629-99-2	
Date Extracted				06/25/96				

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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Petaluma, CA 94954
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Pace Analytical

PACE Project Number: 705955
Client Project ID: Port of Oakland/Transbay

PACE Sample No: 70641972 Date Collected: 06/21/96
Client Sample ID: WEST WALL Date Received: 06/24/96

Parameters	Results	Units	PRL	Analyzed	Method	Analyst	CAS#	Footnotes
Metals								
Metals, ICP								
Lead	188	mg/kg	3.14	07/03/96	EPA 6010	BBF	7439-92-1	
Date Digested				07/03/96				
GC -- Volatiles								
GAS/BTEX by CA LUFT, Soil								
Gasoline	ND	ug/kg	200	06/27/96	CA LUFT	AMH		
Benzene	ND	ug/kg	1	06/27/96	CA LUFT	AMH	71-43-2	
Toluene	3.5	ug/kg	1	06/27/96	CA LUFT	AMH	108-88-3	
Ethylbenzene	ND	ug/kg	1	06/27/96	CA LUFT	AMH	100-41-4	
Xylene (Total)	3.2	ug/kg	2	06/27/96	CA LUFT	AMH	1330-20-7	
a,a,a-Trifluorotoluene (S)	115	%		06/27/96	CA LUFT	AMH	2164-17-2	
4-Bromofluorobenzene (S)	71	%		06/27/96	CA LUFT	AMH	460-00-4	
GC								
TPH in Soil by 8015 Modified								
Diesel Fuel	ND	mg/kg	500	06/28/96	TPH by EPA 8015M	DLL	11-84-7...	5,6
n-Pentacosane (S)	0	%		06/28/96	TPH by EPA 8015M	DLL	629-99-2	3
Date Extracted				06/25/96				

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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Pace Analytical

PACE Project Number: 705955
Client Project ID: Port of Oakland/Transbay

PACE Sample No: 70641980 Date Collected: 06/21/96
Client Sample ID: STOCKPILE 1,2,3,4 COMPOSITE Date Received: 06/24/96

Parameters	Results	Units	PRL	Analyzed	Method	Analyst	CAS#	Footnotes
Metals								
Metals, ICP								
Lead	27.9	mg/kg	3.88	07/03/96	EPA 6010	BBF	7439-92-1	
Date Digested				07/03/96				
GC -- Volatiles								
GAS/BTEX by CA LUFT, Soil								
Gasoline	330	ug/kg	200	06/27/96	CA LUFT	AMH		
Benzene	ND	ug/kg	1	06/27/96	CA LUFT	AMH	71-43-2	
Toluene	12	ug/kg	1	06/27/96	CA LUFT	AMH	108-88-3	
Ethylbenzene	ND	ug/kg	1	06/27/96	CA LUFT	AMH	100-41-4	
Xylene (Total)	37	ug/kg	2	06/27/96	CA LUFT	AMH	1330-20-7	
a,a,a-Trifluorotoluene (S)	115	%		06/27/96	CA LUFT	AMH	2164-17-2	
4-Bromofluorobenzene (S)	102	%		06/27/96	CA LUFT	AMH	460-00-4	
GC								
TPH in Soil by 8015 Modified								
Diesel Fuel	27	mg/kg	5	06/26/96	TPH by EPA 8015M	DLL	11-84-7...	6
n-Pentacosane (S)	84	%		06/26/96	TPH by EPA 8015M	DLL	629-99-2	
Date Extracted				06/25/96				

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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Pace Analytical

PACE Project Number: 705955
Client Project ID: Port of Oakland/Transbay

PARAMETER FOOTNOTES

ND	Not Detected
NC	Not Calculable
PRL	PACE Reporting Limit
(S)	Surrogate
[1]	Hydrocarbons present do not match profile of laboratory standard.
[2]	Low boiling point components are present in sample.
[3]	Spike and/or surrogate recoveries could not be calculated due to sample dilution.
[4]	High and low boiling point hydrocarbons are present in sample.
[5]	Elevated quantitation limits resulting from matrix interference.
[6]	High boiling point hydrocarbons are present in sample.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1455 McDowell Blvd. North, Suite D
Petaluma, CA 94954
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Fax: 707-792-0342

Pace Analytical

QUALITY CONTROL DATA

Innovative Technical Solutions
2855 Mitchell Drive, Suite 118
Walnut Creek, CA 94598

PACE Project Number: 705955
Client Project ID: Port of Oakland/Transbay

Attn: Mr. Jeff Hess
Phone:

QC Batch ID: 15166
Analysis Method: CA LUFT
Associated PACE Samples: 70641949 70641956 70641964 70641972 70641980

QC Batch Method: CA LUFT
Analysis Description: GAS/BTEX by CA LUFT, Soil

Date of Batch: 06/13/96

METHOD BLANK: 70644737
Associated PACE Samples:
70641964 70641972 70641980

Parameter	Units	Method Blank Result	PRL	Footnotes
Gasoline	ug/kg	ND	200	
Benzene	ug/kg	ND	1	
Toluene	ug/kg	ND	1	
Ethylbenzene	ug/kg	ND	1	
Xylene (Total)	ug/kg	ND	2	
a,a,a-Trifluorotoluene (S)	%	97		
4-Bromofluorobenzene (S)	%	95		

METHOD BLANK: 70644836
Associated PACE Samples:
70641949 70641956

Parameter	Units	Method Blank Result	PRL	Footnotes
Gasoline	ug/kg	ND	200	
Benzene	ug/kg	ND	1	
Toluene	ug/kg	ND	1	
Ethylbenzene	ug/kg	ND	1	
Xylene (Total)	ug/kg	ND	2	
a,a,a-Trifluorotoluene (S)	%	104		
4-Bromofluorobenzene (S)	%	101		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1455 McDowell Blvd. North, Suite D
Petaluma, CA 94954
Tel: 707-792-1865
Fax: 707-792-0342

Pace Analytical

QUALITY CONTROL DATA

PACE Project Number: 705955
Client Project ID: Port of Oakland/Transbay

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 70631585 70631593

Parameter	Units	70627419	Spike Conc.	Matrix Spike Result	Spike % Rec	Matrix Sp. Dup. Result	Spike Dup % Rec	RPD	Footnotes
Benzene	ug/kg	ND	100	119	119	114	114	4	
Toluene	ug/kg	ND	100	111	110	105	104	6	
Ethylbenzene	ug/kg	ND	100	101	101	96.9	97	4	
Xylene (Total)	ug/kg	ND	300	306	102	295	98	4	
a,a,a-Trifluorotoluene (S)					103		107		
4-Bromofluorobenzene (S)					90		98		

LABORATORY CONTROL SAMPLE & LCSD: 70631601 70631619

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	LCSD Result	Spike Dup % Rec	RPD	Footnotes
Benzene	ug/kg	100	86	86	88.1	88	2	
Toluene	ug/kg	100	87.4	87	89.6	90	3	
Ethylbenzene	ug/kg	100	87.4	87	89.3	89	2	
Xylene (Total)	ug/kg	300	269	90	276	92	2	
a,a,a-Trifluorotoluene (S)				96		90		
4-Bromofluorobenzene (S)				103		96		

REPORT OF LABORATORY ANALYSIS

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Pace Analytical

QUALITY CONTROL DATA

Innovative Technical Solutions
2855 Mitchell Drive, Suite 118
Walnut Creek, CA 94598

PACE Project Number: 705955
Client Project ID: Port of Oakland/Transbay

Attn: Mr. Jeff Hess
Phone:

QC Batch ID: 15421
QC Batch Method: CA LUFT
Date of Batch: 06/25/96
Analysis Method: TPH by EPA 8015M
Analysis Description: TPH in Soil by 8015 Modified
Associated PACE Samples: 70641949 70641956 70641964 70641972 70641980

METHOD BLANK: 70642228
Associated PACE Samples: 70641949 70641956 70641964 70641972 70641980

Parameter	Units	Method Blank Result	PRL	Footnotes
Diesel Fuel	mg/kg	ND	5	
n-Pentacosane (S)	%	88		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 70642236 70642244

Parameter	Units	70635867	Spike Conc.	Matrix Spike Result	Spike % Rec	Matrix Sp. Dup. Result	Spike Dup % Rec	RPD	Footnotes
Diesel Fuel	mg/kg		33	53.3		59.3			1,1
n-Pentacosane (S)					71		69		

LABORATORY CONTROL SAMPLE & LCSD: 70642251 70642269

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	LCSD Result	Spike Dup % Rec	RPD	Footnotes
Diesel Fuel	mg/kg	33	23	69	17.7	53	26	
n-Pentacosane (S)				81		62		

REPORT OF LABORATORY ANALYSIS

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Pace Analytical

QUALITY CONTROL DATA

Innovative Technical Solutions
2855 Mitchell Drive, Suite 118
Walnut Creek, CA 94598

PACE Project Number: 705955
Client Project ID: Port of Oakland/Transbay

Attn: Mr. Jeff Hess
Phone:

QC Batch ID: 15546
Analysis Method: CA LUFT
Associated PACE Samples: 70641931

QC Batch Method: CA LUFT
Analysis Description: GAS/BTEX by CA LUFT, Water

Date of Batch: 07/01/96

METHOD BLANK: 70648050
Associated PACE Samples:
70641931

Parameter	Units	Method Blank Result	PRL	Footnotes
Gasoline	ug/L	ND	50	
Benzene	ug/L	ND	0.5	
Toluene	ug/L	ND	0.5	
Ethylbenzene	ug/L	ND	0.5	
Xylene (Total)	ug/L	ND	1	
a,a,a-Trifluorotoluene (S)	%	100		
4-Bromofluorobenzene (S)	%	97		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 70648274 70648282

Parameter	Units	70645270	Spike Conc.	Matrix Spike Result	Spike % Rec	Matrix Sp. Dup. Result	Spike Dup % Rec	RPD	Footnotes
Benzene	ug/L	ND	100	94.2	94	93.4	93	1	
Toluene	ug/L	ND	100	94.2	94	93.4	93	1	
Ethylbenzene	ug/L	ND	100	95	95	94.8	95	0	
Xylene (Total)	ug/L	ND	300	282	94	280	93	1	
a,a,a-Trifluorotoluene (S)					99		97		
4-Bromofluorobenzene (S)					96		95		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1455 McDowell Blvd North, Suite D
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Pace Analytical

QUALITY CONTROL DATA

PACE Project Number: 705955
Client Project ID: Port of Oakland/Transbay

LABORATORY CONTROL SAMPLE: 70648068

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	Footnotes
Benzene	ug/L	100	92.5	93	
Toluene	ug/L	100	92.6	93	
Ethylbenzene	ug/L	100	93.7	94	
Xylene (Total)	ug/L	300	276	92	
a,a,a-Trifluorotoluene (S)				98	
4-Bromofluorobenzene (S)				94	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical

QUALITY CONTROL DATA

Innovative Technical Solutions
2855 Mitchell Drive, Suite 118
Walnut Creek, CA 94598

PACE Project Number: 705955
Client Project ID: Port of Oakland/Transbay

Attn: Mr. Jeff Hess
Phone:

QC Batch ID: 15561
QC Batch Method: EPA 3050
Date of Batch: 07/02/96
Analysis Method: EPA 6010
Analysis Description: Metals, ICP
Associated PACE Samples: 70641949 70641956 70641964 70641972 70641980

METHOD BLANK: 70649645
Associated PACE Samples: 70641949 70641956 70641964 70641972 70641980

Parameter	Units	Method Blank Result	PRL	Footnotes
Lead	mg/kg	ND	5	

MATRIX SPIKE: 70649652

Parameter	Units	70641949	Spike Conc.	Matrix Spike Result	Spike % Rec	Footnotes
Lead	mg/kg	305	99	453	150	2

LABORATORY CONTROL SAMPLE & LCSD: 70649678 70649686

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	LCSD Result	Spike Dup % Rec	RPD	Footnotes
Lead	mg/kg	100	90.2	90	114	114	24	

SAMPLE DUPLICATE: 70649660

Parameter	Units	70641949	Dup. Result	RPD	Footnotes
Lead	mg/kg	305	368	19	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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Petaluma, CA 94954
Tel: 707-792-1865
Fax: 707-792-0342

Pace Analytical

PACE Project Number: 705955
Client Project ID: Port of Oakland/Transbay

QUALITY CONTROL DATA PARAMETER FOOTNOTES

The Quality Control Sample Final Results listed above have been rounded to reflect an appropriate number of significant figures. Consistent with EPA guidelines unrounded concentrations have been used to calculate % Rec and RPD values.

ND	Not Detected
NC	Not Calculable
PRL	PACE Reporting Limit
RPD	Relative Percent Difference
(S)	Surrogate
[1]	Due to high analyte concentration the matrix spike and/or matrix spike duplicate do not provide reliable recovery data.
[2]	Spiked sample recovery is not within control limits.

REPORT OF LABORATORY ANALYSIS

705955

INNOVATIVE TECHNICAL SOLUTIONS, Inc.

ITSI

2855 Mitchell Drive, Suite 118
Walnut Creek, California 94598
(510) 256-8898 (Tel), (510) 256-8998 (Fax)

CHAIN OF CUSTODY

PROJECT NAME: TRANSBAY
PROJECT NUMBER: 95-113.08
SITE LOCATION: Port of OAKland

DATE: 6/21/96
PAGE: 1 of 1

PACE Analytical
Petaluma, CA

SAMPLE I.D.	SAMPLE DEPTH	DATE	TIME	NUMBER OF CONTAINERS	TYPE OF CONTAINERS	SAMPLE MATRIX	TPH as Gas/BTEX - 8015/8020	TPH as Diesel - 8015	TEPH - 8015	TRPH - 418.1	Oil and Grease - 5520 D&F	LUFT Metals (Cd, Cr, Ni, Pb, Zn)	CAM 17 Metals	VOCs - 8240	SVOCs - 8270	Total Pb (6010)			SPECIAL INSTRUCTIONS/ NOTES/COMMENTS	TOTAL NUMBER OF ANALYSES
Trip Blanks	—	6/21	lab provided	2	VOA	W	X												641931	2
TANK A	11'	6/21	4:00	1	SS/Brass sleeve	Soil	X	X								X			641949	4
TANK B	10'	6/21	~~4:05~~ 5:00	1	↓	Soil	X	X								X			641956	4
East Wall	8'	6/21	4:00	1	↓	Soil	X	X								X			641964	4
West Wall	7'	6/21	4:25	1	↓	Soil	X	X								X			641972	4
Stckpile #1	grab	6/21	330	1	↓	Soil	X	X								X			641980 composite stockpile ~~Sample~~ #1-4	4
Stockpile #2	↓	↓	↓	1	↓	↓														
Stockpile #3	↓	↓	↓	1	↓	↓														
Stockpile #4	↓	↓	↓	1	↓	↓														
TOTAL NUMBER OF CONTAINERS				8	TOTAL TESTS		12	5								5				28

SAMPLED BY: Tej Singh
SIGNATURE: [signature]

SPECIAL INSTRUCTIONS/COMMENTS: 2wk turnaround

RELINQUISHED BY:		RELINQUISHED BY:		RELINQUISHED BY:	
Printed Name: Tej Singh	Signature: [signature]	Printed Name: Nick Mainard	Signature: [signature]	Printed Name	Signature
Company: ITSI	Date and Time: 6/24/96 (1356)	Company: Pasi	Date and Time: 6/24/96 (3:40)	Company	Date and Time
RECEIVED BY:		**RECEIVED BY:**		**RECEIVED BY:**	
Printed Name: Nick Mainard	Signature: [signature]	Printed Name: GAIL HERRMANN	Signature:	Printed Name	Signature
Company: Pasi	Date and Time: 6-24-96 1:54pm	Company: PASI	Date and Time: 6/24 3:40	Company	Date and Time

SEND RESULTS TO:

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Pace
1455 McDowell Blvd. North,
Suite D
Petaluma, CA 94954
Attention: Dave Pichette

Client Proj. ID: Port of Oakland

Lab Proj. ID: 9607173

Sampled: 06/21/96
Received: 07/31/96
Analyzed: see below

Reported: 08/07/96

LABORATORY ANALYSIS

Analyte	Units	Date Analyzed	Detection Limit	Sample Results
Lab No: 9607173-01				
Sample Desc : **SOLID,641980**				
Flash Point	**Celsius**	**08/05/96**	**25**	**>100**
pH	**pH Units**	**08/01/96**	**N/A**	**8.4**

Analytes reported as N.D. were not present above the stated limit of detection.

REC'D AUG 13 1996

SEQUOIA ANALYTICAL - ELAP #1210

Sheila Flynn
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Pace
1455 McDowell Blvd. North,
Suite D
Petaluma, CA 94954
Attention: Dave Pichette

Client Proj. ID: Port of Oakland

Lab Proj. ID: 9607173

Sampled: 07/23/96
Received: 07/31/96
Analyzed: see below

Reported: 08/07/96

LABORATORY ANALYSIS

Analyte	Units	Date Analyzed	Detection Limit	Sample Results
Lab No: 9607173-02				
Sample Desc : **SOLID,670195**				
Flash Point	**Celsius**	**08/05/96**	**25**	**>100**
pH	**pH Units**	**08/01/96**	**N/A**	**8.5**

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Sheila Flynn
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Pace	Client Proj. ID: Port of Oakland	Sampled: 06/21/96
1455 McDowell Blvd. North,	Sample Descript: 641980	Received: 07/31/96
Suite D	Matrix: SOLID	
Petaluma, CA 94954	Analysis Method: Comb	Analyzed: 08/05/96
Attention: Dave Pichette	Lab Number: 9607I73-01	Reported: 08/07/96

QC Batch Number: IN080596846000A

Reactivity

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
Reactivity:		
Sulfide	13	N.D.
Cyanide	0.50	N.D.
Reaction with Water		N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Sheila Flynn
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Pace	Client Proj. ID: Port of Oakland	Sampled: 07/23/96
1455 McDowell Blvd. North,	Sample Descript: 670195	Received: 07/31/96
Suite D	Matrix: SOLID	
Petaluma, CA 94954	Analysis Method: Comb	Analyzed: 08/05/96
Attention: Dave Pichette	Lab Number: 9607173-02	Reported: 08/07/96

QC Batch Number: IN080596846000A

Reactivity

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
Reactivity:		
Sulfide	13	27
Cyanide	0.50	N.D.
Reaction with Water		N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Sheila Flynn
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Pace	Client Project ID:	Port of Oakland	
1455 McDowell Blvd., North, Ste. D	Matrix:	Solid	
Petaluma, CA 94954			
Attention: Dave Pichette	Work Order #:	9607173 -01, 02	Reported: Aug 12, 1996

QUALITY CONTROL DATA REPORT

Analyte:	pH	Flashpoint
QC Batch:	IN080196904500A	IN080596101000A
Analy. Method:	EPA 9045	EPA 1010
Prep Method:	N/A	N/A
Analyst:	J. Clark/T. McMahon	S. Fong
Duplicate Sample #:	960800704	9607I7302
Prepared Date:	8/1/96	8/5/96
Analyzed Date:	8/1/96	8/5/96
Instrument I.D.#:	Manual	Manual
Sample Concentration:	9.9	> 100°C
Dup. Sample Concentration:	9.9	> 100°C
RPD:	0.0	0.0
RPD Limit:	0-20	0-20

SEQUOIA ANALYTICAL

Sheila Flynn
Project Manager

** RPD = Relative % Difference

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Pace
1455 McDowell Blvd., North, Ste. D
Petaluma, CA 94954
Attention: Dave Pichette

Client Project ID: Port of Oakland
Matrix: Solid
Work Order #: 9607173-01, 02

Reported: Aug 12, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Reactive Cyanide	Reactive Sulfide
QC Batch#:	IN080596846000A	IN080596846000A
Analy. Method:	SW-846	SW-846
Prep. Method:	N/A	N/A
Analyst:	N. Byrne/K. Sims	N. Byrne/K. Sims
MS/MSD #:	-	-
Sample Conc.:	-	-
Prepared Date:	-	-
Analyzed Date:	-	-
Instrument I.D.#:	-	-
Conc. Spiked:	-	-
Result:	-	-
MS % Recovery:	-	-
Dup. Result:	-	-
MSD % Recov.:	-	-
RPD:	-	-
RPD Limit:	-	-
LCS #:	LCS080696	LCS080696
Prepared Date:	8/6/96	8/6/96
Analyzed Date:	8/6/96	8/6/96
Instrument I.D.#:	Manual	Manual
Conc. Spiked:	0.20 mg/L	10 mg/L
LCS Result:	0.015	9.5
LCS % Recov.:	7.5	95
MS/MSD LCS Control Limits	6.0-40	6.0-40

SEQUOIA ANALYTICAL

Sheila Flynn
Project Manager

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

Pace Analytical

S793

335918

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: PCI Petaluma

Address: 1455 McDowell Blvd N 2D
Petaluma CA 94954

Phone: [illegible]

Report To: Lisa Schotte

Bill To: PCI Petaluma

P.O. # / Billing Reference: COD [illegible] 7/31/96

Project Name / No.: [illegible]

Pace Client No.:

Pace Project Manager: [illegible]

Pace Project No.: [illegible]

*Requested Due Date: 8/5/96

Sampled By (PRINT):

Sampler Signature

Date Sampled

ANALYSES REQUEST: [illegible] 7000-173

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	UNPRESERVED	H_2SO_4	HNO_3	VOA			Analyses	REMARKS
1	641780 1											X	70676424
2	670185 2											X	70676432
3													
4													
5													
6													
7													
8													

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT DATE	SHIPMENT METHOD RETURNED DATE

Additional Comments

ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
	[illegible signature]	[illegible signature]	7/31/96	4:30
		[illegible signature]	8/1/96	10:45

SEE REVERSE SIDE FOR INSTRUCTIONS

Pace Analytical

Pace Analytical Services, Inc.
1455 McDowell Blvd. North, Suite D
Petaluma, CA 94954
Tel: 707-792-1865
Fax: 707-792-0342

August 06, 1996

Mr. Jeff Hess
Innovative Technical Solutions
2855 Mitchell Drive, Suite 118
Walnut Creek, CA 94598

RE: PACE Project Number: 706194
Client Project ID: Port of Oakland/Berth 25

Dear Mr. Hess:

Enclosed are the results of analyses for sample(s) received on July 30, 1996. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Stephanie Mattos
on

David A. Pichette
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1455 McDowell Blvd. North, Suite D
Petaluma, CA 94954
Tel: 707-792-1865
Fax: 707-792-0342

Pace Analytical

DATE: 08/06/96
PAGE: 1

Innovative Technical Solutions
2855 Mitchell Drive, Suite 118
Walnut Creek, CA 94598

PACE Project Number: 706194
Client Project ID: Port of Oakland/Berth 25

Attn: Mr. Jeff Hess
Phone: 510-256-8898

PACE Sample No: 70676424
Client Sample ID: 641980

Date Collected: 06/21/96
Date Received: 07/30/96

Parameters	Results	Units	PRL	Analyzed	Method	Analyst	CAS#	Footnotes
Inorganics								
STLC Metals, ICP, STLC Leach.								
Date Digested				08/05/96				
Metals								
STLC Metals, ICP, STLC Leach.								
Lead	896	ug/L	420	08/05/96	EPA 6010	SMS	7439-92-1	
Date Digested				08/05/96				

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1455 McDowell Blvd. North, Suite D
Petaluma, CA 94954
Tel: 707-792-1865
Fax: 707-792-0342

Pace Analytical

PACE Project Number: 706194
Client Project ID: Port of Oakland/Berth 25

PACE Sample No: 70676432 Date Collected: 07/23/96
Client Sample ID: 670195 Date Received: 07/30/96

Parameters	Results	Units	PRL	Analyzed	Method	Analyst	CAS#	Footnotes
Inorganics								
STLC Metals, ICP, STLC Leach.								
Date Digested				08/05/96				
Metals								
STLC Metals, ICP, STLC Leach.								
Lead	1490	ug/L	420	08/05/96	EPA 6010	SMS	7439-92-1	
Date Digested				08/05/96				

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1455 McDowell Blvd. North, Suite D
Petaluma, CA 94954
Tel: 707-792-1865
Fax: 707-792-0342

Pace Analytical

PACE Project Number: 706194
Client Project ID: Port of Oakland/Berth 25

PARAMETER FOOTNOTES

ND	Not Detected
NC	Not Calculable
PRL	PACE Reporting Limit

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1455 McDowell Blvd. North, Suite D
Petaluma, CA 94954
Tel: 707-792-1865
Fax: 707-792-0342

Pace Analytical

QUALITY CONTROL DATA

DATE: 08/06/96
PAGE: 4

Innovative Technical Solutions
2855 Mitchell Drive, Suite 118
Walnut Creek, CA 94598

PACE Project Number: 706194
Client Project ID: Port of Oakland/Berth 25

Attn: Mr. Jeff Hess
Phone: 510-256-8898

QC Batch ID: 16345
QC Batch Method: EPA 3010
Date of Batch: 08/05/96
Analysis Method: EPA 6010
Analysis Description: STLC Metals, ICP, STLC Leach.
Associated PACE Samples: 70676424 70676432

METHOD BLANK: 70682703
Associated PACE Samples: 70676424 70676432

Parameter	Units	Method Blank Result	PRL	Footnotes
Lead	ug/L	ND	420	

MATRIX SPIKE: 70682711

Parameter	Units	70676424	Spike Conc.	Matrix Spike Result	Spike % Rec	Footnotes
Lead	ug/L	896	20000	20600	99	

LABORATORY CONTROL SAMPLE & LCSD: 70682737 70682745

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	LCSD Result	Spike Dup % Rec	RPD	Footnotes
Lead	ug/L	20000	20500	102	20700	104	2	

SAMPLE DUPLICATE: 70682729

Parameter	Units	70676424	Dup. Result	RPD	Footnotes
Lead	ug/L	896	936	4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1455 McDowell Blvd. North, Suite D
Petaluma, CA 94954
Tel: 707-792-1865
Fax: 707-792-0342

Pace Analytical

PACE Project Number: 706194
Client Project ID: Port of Oakland/Berth 25

QUALITY CONTROL DATA PARAMETER FOOTNOTES

The Quality Control Sample Final Results listed above have been rounded to reflect an appropriate number of significant figures. Consistent with EPA guidelines unrounded concentrations have been used to calculate % Rec and RPD values.

ND	Not Detected
NC	Not Calculable
PRL	PACE Reporting Limit
RPD	Relative Percent Difference

REPORT OF LABORATORY ANALYSIS

Pace Analytical

Sequoia

5793

335918

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client PASI Petaluma
Address 1455 McDowell Blvd N STED
Petaluma CA 94954
Phone 707-792-1865

Report To: Dave Richette
Bill To: PASI Petaluma
P.O. # / Billing Reference COD-Check mailed 7/31/96
Project Name / No. Port of Oakland

Pace Client No.
Pace Project Manager DWP
Pace Project No. 7060774
*Requested Due Date: 8/5/96

Sampled By (PRINT):
Sampler Signature
Date Sampled

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	VOA	ANALYSES REQUEST: RCT	REMARKS
1	641980									X	70676424
2	670195									X	70676432
3											
4											
5											
6											
7											
8											

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT/DATE	SHIPMENT METHOD RETURNED DATE

Additional Comments

140 0637 271

ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
	[illegible]	[illegible]	7/31/96	4:30

SEE REVERSE SIDE FOR INSTRUCTIONS