

**balch**  
**petroleum**  
contractors and builders, inc.  
license no. 396575 A/B HAZ

RECEIVED  
100-107-10  
20 FEB -9 10 9:15

February 8, 1996

Alameda County Health Care Service Agency  
Environmental Protection Division  
1131 harbor Bay Parkway, Rm 250  
Alameda, CA 94502-6577

ATTN: Juliete Chin

RE: Tank Removal  
ARCO #6002  
Oakland, CA

Dear Juliete,

This letter is to certify that our employees are 40 Hour OSHA trained with current certification. We will provide copies of their certification on site. Enclosed are copies of our Workman's Comp, Site Health & Safety Plan, the BAAQMD UST Removal Notification, and the Alameda County UST Removal forms. Please let me know if you need additional information. You can reach me at (408) 942-8686.

Sincerely yours,



Bill Balch  
BB/dh

g:\arco\seminary





**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

939 ELLIS STREET  
SAN FRANCISCO, CALIFORNIA 94109  
(415) 771-6000

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

AR-672

90 FEB -9 AM 9:15

NOTIFICATION FORM

Removal or Replacement of Tanks  
 Excavation of Contaminated Soil

**SITE INFORMATION**

SITE ADDRESS ARCO# 6002, 6235 SEMINARY AVE.  
 CITY, STATE OAKLAND, CA ZIP 94605  
 OWNER NAME ARCO PRODUCTS COMPANY, ENVIRONMENTAL HEALTH & SAFETY  
 SPECIFIC LOCATION OF PROJECT SWC SEMINARY AVE. & SUNNYMERE AVE.

TANK REMOVAL CONTAMINATED SOIL EXCAVATION  
 SCHEDULED STARTUP DATE \_\_\_\_\_ SCHEDULED STARTUP DATE \_\_\_\_\_  
 VAPORS REMOVED BY: STOCKPILES WILL BE COVERED? YES \_\_\_\_\_ NO \_\_\_\_\_  
 WATER WASH  
 VAPOR FREEING (CO<sup>2</sup>)  
 VENTILATION  
 ALTERNATIVE METHOD OF AERATION (DESCRIBE BELOW):  
 \_\_\_\_\_  
 (MAY REQUIRE PERMIT)

**CONTRACTOR INFORMATION**

NAME BALCH PETROLEUM CONTACT \_\_\_\_\_  
 ADDRESS 930 AMES AVENUE PHONE (408) 942 8000  
 CITY, STATE, ZIP MILPITAS CA 95035

**CONSULTANT INFORMATION**  
(IF APPLICABLE)

NAME EMCON CONTACT JOHN YOUNG  
 ADDRESS 1921 RINGWOOD AVE PHONE (408) 453 7300  
 CITY, STATE, ZIP SAN JOSE, CA, 95131

**FOR OFFICE USE ONLY**

DATE RECEIVED FAX \_\_\_\_\_ BY \_\_\_\_\_ (init.)  
 DATE POSTMARKED \_\_\_\_\_ BY \_\_\_\_\_ (init.)  
 CC: INSPECTOR NO. \_\_\_\_\_ DATE \_\_\_\_\_ BY \_\_\_\_\_ (init.)  
 UPDATE: CONTACT NAME \_\_\_\_\_ DATE \_\_\_\_\_ BY \_\_\_\_\_ (init.)  
 BAAQMD N # \_\_\_\_\_ DATA ENTRY \_\_\_\_\_

## INSTRUCTIONS

Specific Location of Project: Indicate where the tank removal or soil excavation is taking place.

Examples: -Northwest corner of Gas Station lot  
-Pit D of South Excavation area  
-Fuel storage area north of Auxiliary Road

Scheduled Startup Date: Indicate a correct and accurate startup date. If this date is delayed (by no more than five working days) telephone the District at (415) 771-6000, extension 128, to report the new startup date. If the project is delayed for more than five days, submit a new form and indicate the status of your previous notification.

Tank Removal: Indicate what type method will be used to remove vapors after tank is emptied of product. (Tanks must have all liquids and sludges removed to the extent possible before decommissioning.)

Soil Excavation: Indicate whether contaminated soil stockpile will be covered. If an alternative method of aeration will be used (e.g., forced air), briefly describe.

Contractor Information: Indicate the name, address, appropriate contact person and phone number of the contractor performing and responsible for the tank removal and/or soil excavation.

Consultant Information: If applicable, indicate the name, address, appropriate contact person and phone number of any environmental consultant used.

---

### NOTE

- Notification must be postmarked at least five days prior to startup of tank removal and/or soil excavation.
- *Aeration* of contaminated soil shall be reported to the District by telephone no less than 24 hours prior to the spreading or heating of any contaminated soil.
- Return this form by FAX (415) 928-0338 or mail to:  

Bay Area Air Quality Management District  
939 Ellis Street  
San Francisco, CA 94109  
Attn: Enforcement Division
- Soil aeration operations do not require a BAAQMD permit unless:
  1. The project exceeds three months time or,
  2. An alternative method other than spreading the soil for evaporation will be used, or
  3. Tanks are being replaced (new installation).
- Use this form to meet the reporting requirements of Regulation 8, Rule 40, Section 400.

R8R40FRM - 1/91 APPROVED BY: Director of Enforcement 



**EMCON**

1921 Ringwood Avenue • San Jose, California 95131 • (408)453-7300 • Fax (408)437-9526

**TRANSMITTAL**

Project/Task No.: 20805-131.006

TO: Ms. Roberta Kass DATE: April 25, 1996  
ARCO Products Company (Legal)  
515 South Flower Street, Suite 80-4525  
Los Angeles, California 90071

RE: ARCO service station 6002, 6235 Seminary Avenue, Oakland, California

ENVIRONMENTAL  
 PROTECTION  
 96 APR 29 PM 2: 54

WE ARE SENDING:

QUANTITY	DESCRIPTION
<u>1</u>	<u>Copy of Underground Storage Tank Removal Report, EMCON, April 25, 1996</u>

For Your:

USE

APPROVAL

REVIEW/COMMENTS

INFORMATION

OTHER

Sent By:

REGULAR MAIL

FEDERAL EXPRESS

UPS

COURIER

OTHER (Certified Mail)

COMMENTS: Please call Michael Whelan of ARCO Products Company, or John Young of EMCON if you have questions.

CC: Dan Rolf, ARCO Products Company  
 Michael Whelan, ARCO Products Company  
 Kevin Graves, Regional Water Quality Control Board-San Francisco Bay Region  
 Juliet Shin, Alameda County Health Care Services Agency

BY: Sailaja Yelamanchili



April 26, 1996  
Project 20805-131.006

Mr. Michael Whelan  
ARCO Products Company  
P.O. Box 612530  
San Jose, CA 95161

Re: Underground Storage Tank Removal Report, ARCO Service Station 6002, 6235  
Seminary Avenue, Oakland, California

Dear Mr. Whelan:

On behalf of ARCO Products Company (ARCO), EMCON has prepared this summary report for the removal of gasoline underground storage tanks (UST), associated product-line piping, and the destruction of two groundwater monitoring wells at ARCO Service Station 6002 located at 6235 Seminary Avenue, Oakland, California (Figure 1).

This report summarizes field activities associated with the well decommissioning and UST removal activities, including the results of confirmation soil analyses and the disposal of removed tanks, excavated soils, and extracted groundwater.

ENVIRONMENTAL  
PROTECTION  
96 APR 29 PM 2:54

**MONITORING WELL DECOMMISSIONING**

On February 12, 1996, EMCON personnel observed the decommissioning of two groundwater monitoring wells (MW-1 and MW-2) located within the work areas of the UST removal project (Figure 2). The drilling and sealing of the monitoring wells was performed by HEW Drilling, a licensed C-57 drilling contractor, under well destruction permit number 96071 from the Alameda County Flood Control and Water Conservation District (Zone 7). Consistent with the Zone 7 permit requirements, the wells were removed by drilling out the casing, seal, and gravel pack with a hollow-steam auger drilling rig. The borehole was then sealed using cement grout installed through a tremie pipe. Copies of the well destruction application and permit are included in Attachment A.

**UST AND PRODUCT-LINE REMOVAL**

On March 6, 1996, EMCON observed the removal of two 4,000-gallon and two 6,000-gallon gasoline USTs from the site by Balch Petroleum (Balch). Prior to tank removal, the USTs were degassed with dry ice and monitored for hazardous conditions using a lower explosive limit (LEL) and percent oxygen meter. The tank removal



activities were witnessed by Ms. Sylvia Chaney-Williamson of the Oakland Fire Department and Ms. Juliet Shin of the Alameda County Health Care Services Agency (ACHCSA). No holes were observed in any of the four tanks after removal.

The former UST area was excavated to approximately 12 feet below grade surface (BGS). In selected areas, the UST pit was overexcavated to a depth of approximately 14 feet BGS to remove additional source material from the excavation. The UST excavation pit and overexcavation areas are shown in Figure 3.

During the tank removal and excavation process, groundwater was observed to accumulate within the UST excavation pit. A groundwater grab sample (GW Grab) was collected from the tank excavation and submitted for analysis of gasoline hydrocarbons. As a means of source removal, this groundwater was pumped from the excavation and transported for off-site disposal. Approximately 11,500 gallons of groundwater was removed from the UST excavation pit.

Balch removed the existing product lines, vapor pots, and then excavated the product-line trenches to approximately 5 feet BGS. In the area of the vapor pots, the trenches were overexcavated to a depth of approximately 7 feet BGS. The product-line trench excavations and overexcavation areas are shown in Figure 3. The UST excavation pit and product-line trench excavations were subsequently backfilled with baserock. Approximately 370 cubic yards of hydrocarbon-impacted soils were removed from the UST and product-line excavations.

## **SOILS SAMPLING AND ANALYSES**

### **UST Excavation Pit Sampling**

Following the removal of USTs, EMCON personnel collected 9 soil samples (T1-W, T1-E, T1-N, T2-W, T2-E, T3-W, T3-E, T4-S, T4-W) from the tank excavation. Soil sampling locations are shown on Figure 3. Because of high-water levels within the tank pit, soil samples could not be collected beneath the tanks. Therefore, soil samples were collected from the excavation sidewalls at the soil/water interface at a depth of approximately 8 feet BGS as proposed in EMCON's *Soil Sampling Plan* (February 7, 1996).

Two additional confirmation soil samples, T1-W(C) and T4-W(C), were collected from the UST excavation sidewalls at a depth of approximately 8 feet BGS, following the overexcavation of soils in selected areas (Figure 3). The collection of UST-pit soil samples was witnessed by Ms. Juliet Shin of the ACHCSA.

Soil samples were collected in 2-inch diameter stainless-steel liners from the backhoe bucket. The ends of the brass liners were sealed with Teflon tape and secured with plastic end caps. The soil samples were stored in a chilled ice-chest, pending transport to an ARCO-contractor laboratory for analysis.

### **Product-Line Trench Sampling**

Following the removal of the product lines, EMCON personnel collected 11 soil samples (PL-1 through PL-11) beneath the pipe locations at approximately 3 feet BGS, with the exception of soil sample PL-10 which was collected at approximately 6 feet BGS due to overexcavation near the former vapor pot locations. Soil samples were collected in stainless-steel liners and stored as described in previous sections. The collection of product-line trench samples was witnessed by Mr. Barney Chan of the ACHCSA.

### **Laboratory Analysis of Samples**

Confirmation soil samples were submitted to Sequoia Analytical, a California-certified laboratory, for analysis of total purgeable petroleum hydrocarbons as gasoline (TPHG) and benzene, toluene, ethylbenzene, and xylenes (BTEX) using U.S. Environmental Protection Agency (EPA) modified method 8015/8020. Soil analytical results are summarized in Table 1. The groundwater grab sample (GW Grab) was analyzed for TPHG and BTEX using U.S. EPA modified method 8015/8020 and methyl t-butyl ether (MTBE). Analytical reports and chain-of-custody records are presented in Attachment B.

## **ANALYTICAL FINDINGS**

### **UST Excavation Pit Sample Results**

TPHG in the eleven soil samples collected from the UST excavation ranged from non-detectable (less than 1 milligram per kilogram (mg/kg)) to 6 mg/kg, with the exception of soil sample T4-W which contained TPHG at 120 mg/kg (Table 1). Soils in this area, however, were later overexcavated and an additional confirmation sample was collected in the same area. The confirmation soil sample (T4-W(C)) contained TPHG at 1.5 mg/kg, indicating that overexcavation removed additional source material from the area.

Benzene in the eleven soil samples collected from the UST excavation ranged from non-detectable (less than 0.005 mg/kg) to 0.087 mg/kg, with the exception of soil samples T1-W and T4-W which contained benzene at 0.13 and 0.14 mg/kg, respectively (Table 1).

Soils in these areas, however, were later overexcavated and additional confirmation samples were collected at the same vicinity. After overexcavation, confirmation soil samples T1-W(C) and T4-W(C) contained benzene at 0.035 and 0.030 mg/kg, respectively, indicating that overexcavation removed additional source material from the area.

### **Tank Excavation Groundwater Sample**

The groundwater grab sample (GW Grab) collected from the tank excavation pit contained TPHG at 71,000 micrograms per liter (ug/L) and benzene at 2,200 ug/L. MTBE was not identified above method reporting limits (500 ug/L) in this sample. As described in previous sections, this groundwater was removed by pumping as a means of source removal.

### **Product-Line Trench Sample Results**

TPHG in the eleven soil samples collected from the product-line trenches ranged from non-detectable (less than 1 milligram per kilogram (mg/kg)) to 2.3 mg/kg, with the exception of soil sample PL-3 which contained TPHG at 130 mg/kg. However, benzene was not detected suggesting the gasoline hydrocarbons are weathered. Benzene in the remaining soil samples collected from the product-line trenches ranged from non-detectable (less than 0.005 mg/kg) to 0.11 mg/kg.

### **WASTE DISPOSAL**

Following removal, the two 4,000-gallon and two 6,000-gallon USTs were transported to H&H Shipping for subsequent decontamination and recycling as scrap metal. Ten sets of composite soil samples were then collected from the stockpiles and analyzed for TPHG/BTEX, reactivity, corrosivity and ignitability (RCI), and soluble threshold limit concentrations (STLC) of lead. Analytical results and chain-of-custody records are included in Attachment C. Soil analytical results for the stockpile samples are summarized in Table 2. Excavated soils were transported by Dillard Trucking to the BFI Vasco Road landfill in Livermore, California (Attachment D). Extracted groundwater was transported by IWM for treatment at Seaport Environmental, Redwood City, California.



Mr. Michael Whelan  
April 26, 1996  
Page 5

Project 20805-131.006

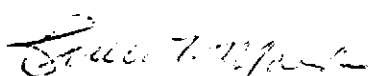
## SUMMARY

- Two 4,000-gallon and two 6,000-gallon gasoline USTs were removed from the site in March 1996. No holes were observed in any of the four tanks. The UST pit was excavated to approximately 12 feet BGS. Overexcavation was performed in selected areas to remove additional source materials from the UST excavation.
- The associated product-line and vapor pots were removed and the product-line trenches were excavated to approximately 5 feet BGS. Overexcavation was performed in selected areas to remove additional source materials from the product-line trenches.
- Approximately 370 cubic yards of hydrocarbon-impacted soil were excavated from the UST pit and product-line trenches as a means of source removal.
- Approximately 11,500 gallons of hydrocarbon-impacted groundwater was pumped from the UST excavation as a means of source removal.
- After overexcavation, confirmation soil samples from the UST pit contained TPHG at 6 mg/kg or less, with benzene concentrations at 0.087 mg/kg or less.
- After overexcavation, confirmation soil samples from the product-line excavations contained TPHG at 2.3 mg/kg or less, with the exception of a single sample (PL-3) which contained TPHG at 130 mg/kg, but contained non-detectable benzene (less than the reporting limit of 0.10 mg/kg). Benzene concentrations in the remaining soil samples were 0.11 mg/kg or less.
- Source removal was performed. A review of analytical results of confirmation soil samples (Table 1) collected from the UST excavation sidewalls following overexcavation of soils in selected areas versus analytical results of stock pile soil samples (Table 2) indicates that source removal was accomplished.

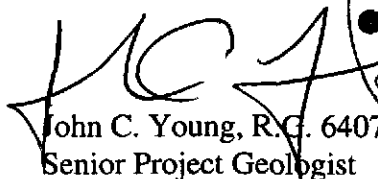
If you have questions, please call.

Sincerely,

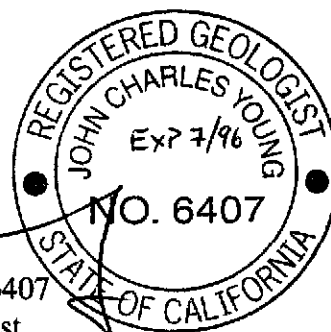
EMCON



Bruce T. Maeda, P.E.  
Senior Project Engineer



John C. Young, R.G. 6407  
Senior Project Geologist



Mr. Michael Whelan  
April 26, 1996  
Page 6

Project 20805-131.006

Attachments: Limitations

Table 1-Summary of Confirmation Soil Sample Analytical Results

Table 2-Summary of Soil Stockpile Analytical Results

Figure 1-Site Location

Figure 2-Site Plan

Figure 3-TPHG and Benzene Concentrations within Excavation

Attachment A-Well Destruction Application and Permit

Attachment B-Analytical Reports and Chain-of-Custody Records  
Confirmation Soil Samples

Attachment C-Analytical Reports And Chain-Of-Custody Records Soil  
Stockpile Samples

Attachment D-Soil and Water Manifests

cc: Kevin Graves, Regional Water Quality Control Board-San Francisco Bay Region  
Juliet Shin, Alameda County Health Care Services Agency  
Dan Rolf, ARCO Products Company  
Roberta Kass, ARCO Products Company (Legal)

## LIMITATIONS

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The services described in this report were performed consistent with generally accepted professional consulting principles and practices. No other warranty, express or implied, is made. These services were performed consistent with our agreement with our client. This report is solely for the use and information of our client unless otherwise noted. Any reliance on this report by a third party is at such party's sole risk.

Opinions and recommendations contained in this report apply to conditions existing when services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. We do not warrant the accuracy of information supplied by others, nor the use of segregated portions of this report.

**Table 1**  
**Summary of Confirmation Soil Sample Analytical Results**

ARCO Service Station 6002  
6235 Seminary Avenue, Oakland, California

Sample ID	Date Sampled	TPHG [mg/kg]	Benzene [mg/kg]	Toluene [mg/kg]	Ethylbenzene [mg/kg]	Xylenes [mg/kg]
<b>Underground Storage Tank Excavation</b>						
T1-W*	6-Mar-96	4.5	0.13	0.021	0.083	0.11
T1-W(C)	8-Mar-96	1.4	0.035	0.02	0.018	0.037
T1-E	6-Mar-96	6.0	0.055	<0.005	0.044	0.15
T1-N	6-Mar-96	3.7	0.0058	<0.005	0.036	0.2
T2-W	6-Mar-96	<1.0	<0.005	<0.005	0.0052	0.0074
T2-E	6-Mar-96	1.2	0.087	0.073	0.024	0.13
T3-W	6-Mar-96	<1.0	<0.005	<0.005	<0.005	<0.005
T3-E	6-Mar-96	<1.0	<0.005	<0.005	<0.005	<0.005
T4-S	6-Mar-96	1.4	0.031	0.15	0.022	0.24
T4-W**	6-Mar-96	120	0.14	1.8	0.7	5.1
T4-W(C)	8-Mar-96	1.5	0.03	<0.005	0.0086	0.097
<b>Product-Line Piping Excavation</b>						
PL-1	6-Mar-96	<1.0	<0.005	<0.005	<0.005	<0.005
PL-2	6-Mar-96	<1.0	<0.005	0.012	<0.005	0.048
PL-3	6-Mar-96	130	<0.10	<0.10	0.21	<0.10
PL-4	6-Mar-96	<1.0	<0.005	<0.005	<0.005	<0.005
PL-5	8-Mar-96	<1.0	0.0058	<0.005	<0.005	0.0065
PL-6	8-Mar-96	<1.0	<0.005	<0.005	<0.005	<0.005
PL-7	8-Mar-96	1.4	0.061	<0.005	0.012	0.034
PL-8	8-Mar-96	2.2	0.11	0.057	0.012	0.07
PL-9	8-Mar-96	<1.0	<0.005	<0.005	<0.005	<0.005
PL-10	11-Mar-96	2.3	0.082	0.027	0.06	0.035
PL-11	11-Mar-96	<1.0	0.011	<0.005	<0.005	<0.005

**Notes:**

\* See confirmation sample T1-W(C) for results after overexcavation in area.

\*\* See confirmation sample T4-W(C) for results after overexcavation in area.

— < = Not detected at or above stated method reporting limit.

TPHG = Total purgeable petroleum hydrocarbons as gasoline by U.S. EPA modified method 8015/8020.  
Benzene, toluene, ethylbenzene, and total xylenes by U.S. EPA modified method 8020.

**Table 2**  
**Summary of Soil Stockpile Analytical Results**

ARCO Service Station 6002  
6235 Seminary Avenue, Oakland, California

Sample ID	Date Sampled	TPHG [mg/kg]	Benzene [mg/kg]	Toluene [mg/kg]	Ethylbenzene [mg/kg]	Xylenes [mg/kg]
<b>Soil Stockpile Samples</b>						
SP-1 (A-D) Comp	11-Mar-96	<1.0	<0.005	0.008	<0.005	0.021
SP-2 (A-D) Comp	11-Mar-96	1.9	0.0051	<0.005	<0.005	0.023
SP-3 (A-D) Comp	11-Mar-96	750	3.9	12	5.7	41
SP-4 (A-D) Comp	11-Mar-96	2100	8.5	74	33	200
SP-5 (A-D) Comp	11-Mar-96	790	<0.005	5.5	5.2	40
SP-6 (A-D) Comp	11-Mar-96	38	0.41	0.17	0.16	1.9
SP-7 (A-D) Comp	11-Mar-96	280	0.28	<0.005	<0.005	13
SP-8 (A-D) Comp	11-Mar-96	400	0.86	<0.005	0.71	15
SP-9 (A-D) Comp	11-Mar-96	410	<0.005	8.4	4.7	38
SP-10 (A-D) Comp	11-Mar-96	330	<0.005	<0.005	<0.005	14

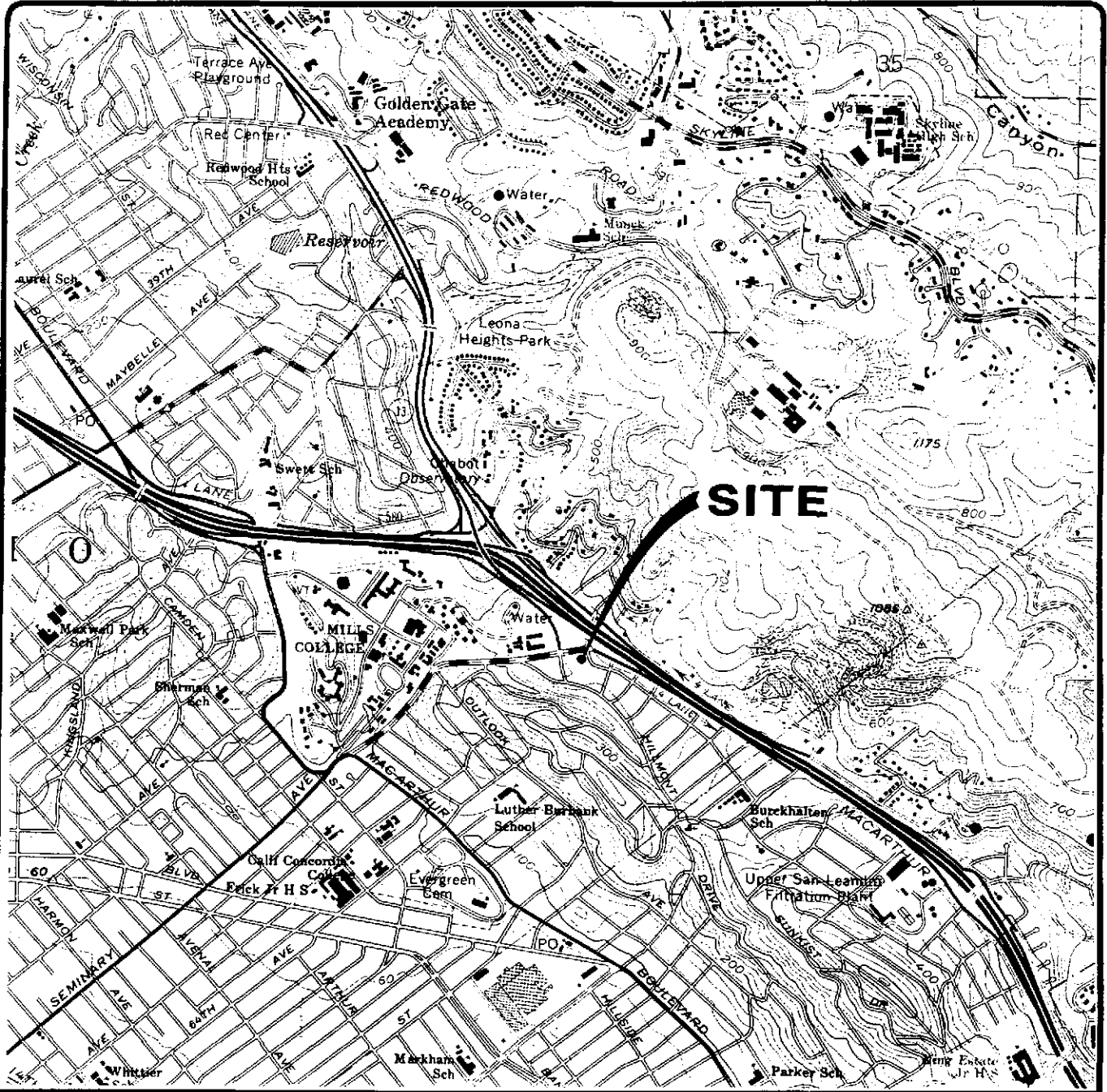
**Notes:**

\* Stockpile resampled following additional aeration to meet ignitability requirements.

— < = Not detected at or above stated method reporting limit.

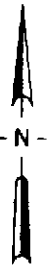
TPHG = Total purgeable petroleum hydrocarbons as gasoline by U.S. EPA modified method 8015/8020.

Benzene, Toluene, Ethylbenzene, and total Xylene analyses by U.S. EPA modified method 8020.



Base map from USGS 7.5' Quad. Map:  
Oakland East, California.  
Photorevised 1980.

Scale : 0 2000 4000 Feet



**EMCON**

ARCO PRODUCTS COMPANY  
SERVICE STATION 6002, 6235 SEMINARY AVE.  
QUARTERLY GROUNDWATER MONITORING  
OAKLAND, CALIFORNIA

SITE LOCATION

FIGURE

**1**

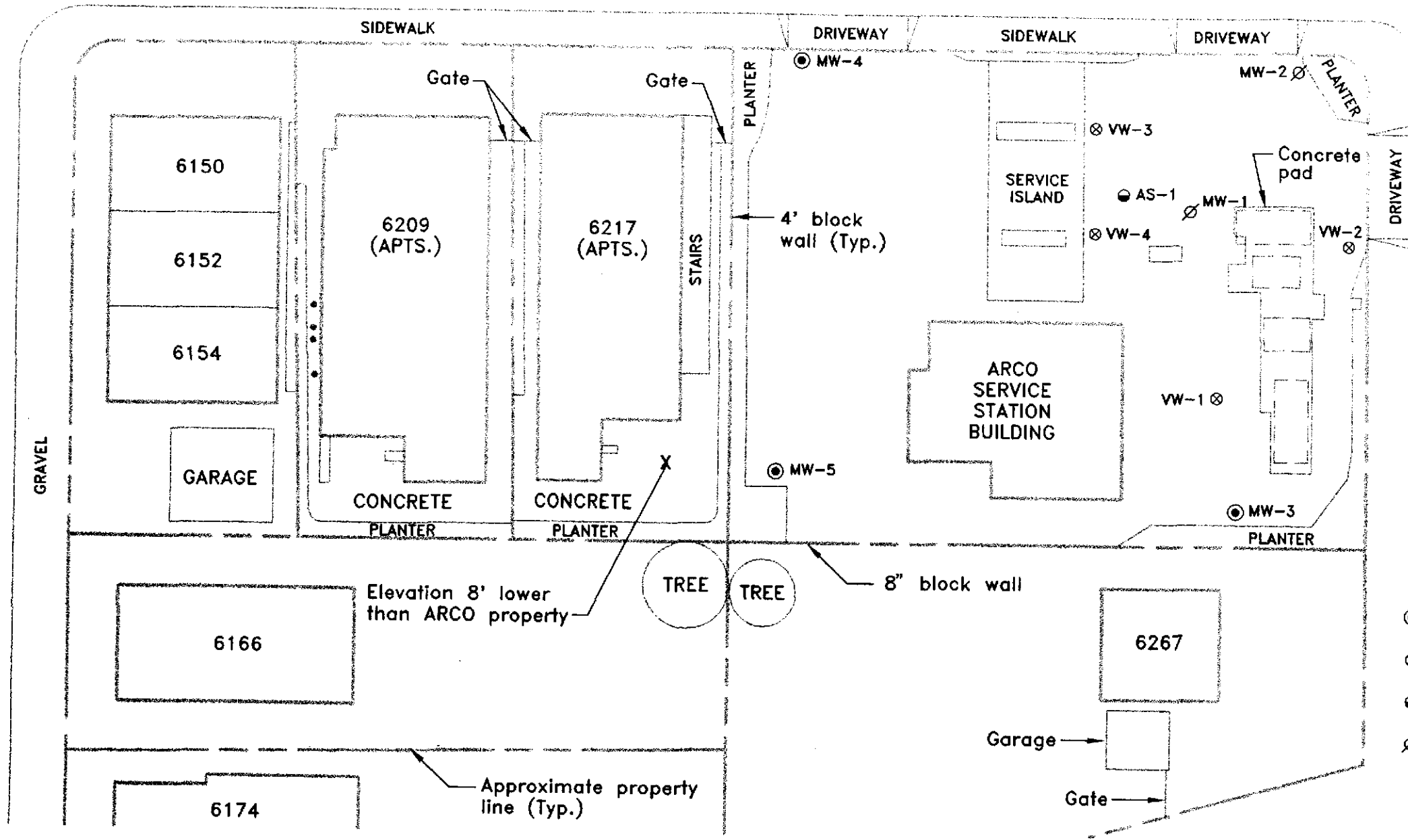
PROJECT NO.  
805-131.03



# SEMINARY AVENUE

OVERDALE AVENUE

SUNNYMERE AVENUE



580 ON RAMP  
580 ON RAMP

### EXPLANATION

- ⊙ Groundwater monitoring well
- ⊗ Vapor extraction well
- Air sparge well
- ∅ Decommissioned well

Base map modified from GSI, 1994.



SCALE: 0 30 60 FEET

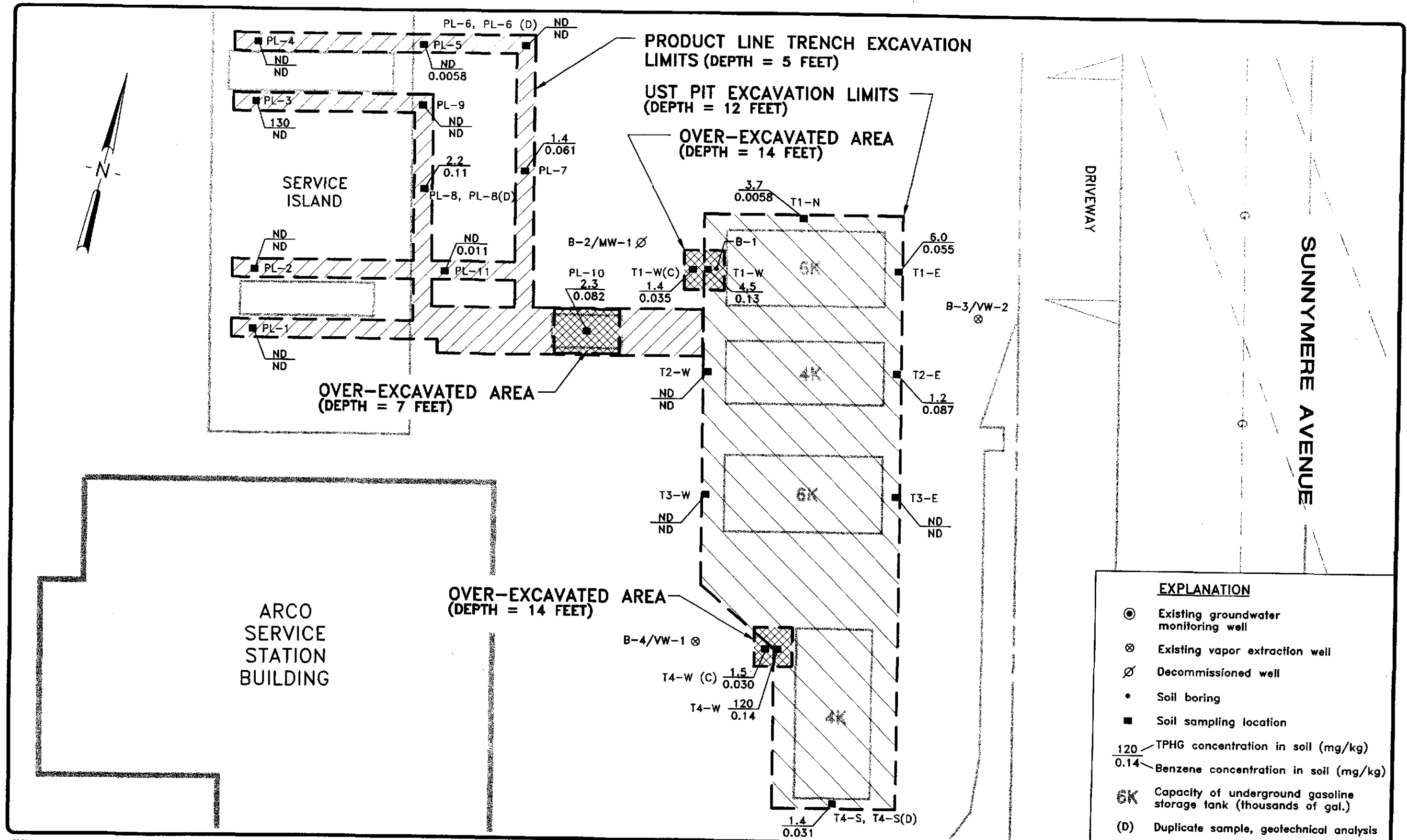
ARCO PRODUCTS COMPANY  
SERVICE STATION 6002, 6235 SEMINARY AVE.  
OAKLAND, CALIFORNIA

SITE PLAN

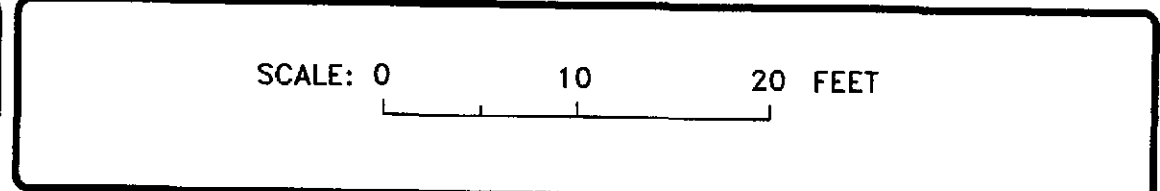
FIGURE NO.  
**2**  
PROJECT NO.  
805-131.07

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G:\805-131\EXCTPHG REV 0 04/23/96 11:12:43 DD DJ



EXPLANATION	
⊙	Existing groundwater monitoring well
⊗	Existing vapor extraction well
∅	Decommissioned well
•	Soil boring
■	Soil sampling location
120 / 0.14	TPHG concentration in soil (mg/kg) / Benzene concentration in soil (mg/kg)
6K	Capacity of underground gasoline storage tank (thousands of gal.)
(D)	Duplicate sample, geotechnical analysis



ARCO PRODUCTS COMPANY  
 SERVICE STATION 6002, 6235 SEMINARY AVE.  
 UNDERGROUND STORAGE TANK REMOVAL  
 OAKLAND, CALIFORNIA

TPHG AND BENZENE CONCENTRATIONS WITHIN EXCAVATION

FIGURE NO.  
**3**  
 PROJECT NO.  
 805-131.07



**ATTACHMENT A**

**WELL DESTRUCTION APPLICATION AND PERMIT**



ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT  
1997 PARKSIDE DRIVE PLEASANTON, CALIFORNIA 94666-5127 PHONE 510-484-2600 FAX 510-484-2601

01 February 1996

Mr. Robert Davis  
Emcon  
1921 Ringwood Avenue  
San Jose, CA 95131

Dear Mr. Davis:

Enclosed is drilling permit 96071 and 96072 for a monitoring well construction project and the destruction of wells 2S/3W 3R80 and 3R81 at 6235 Seminary Avenue in Oakland for Arco Products Company.

Please note that permit condition A-2 requires that a well construction report be submitted after completion of the work. The report should include drilling and completion logs, location sketch, and permit number. Please submit the original of your completion report. We will forward your submittal to the California Department of Water Resources.

If you have any questions, please contact Wyman Hong at extension 235 or me at extension 240.

Very truly yours,

Craig A. Mayfield  
Water Resources Engineer III

WH:ab  
Enc.



# ZONE 7 WATER AGENCY

5997 PARKSIDE DRIVE

PLEASANTON, CALIFORNIA 94588

VOICE (510) 484-2600

FAX (510) 462-3914

## DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT ARCO Service Station #6002  
6235 Seminary Ave. Oakland, CA

PERMIT NUMBER 96071  
LOCATION NUMBER 2S/3W 3R80 and 3R81

### CLIENT

Name ARCO Products Company  
Address P.O. Box 612530 Voice (408) 453-1640  
City San Jose, CA Zip 95161

### PERMIT CONDITIONS

Circled Permit Requirements Apply

### APPLICANT

Name EMCON Fax (408) 437-9526  
Address 1921 Ringwood Ave. Voice (408) 453-7300  
City San Jose, CA Zip 95131

### TYPE OF PROJECT

Well Construction \_\_\_\_\_ Geotechnical Investigation \_\_\_\_\_  
Cathodic Protection \_\_\_\_\_ General \_\_\_\_\_  
Water Supply \_\_\_\_\_ Contamination \_\_\_\_\_  
Monitoring 2 Well Destruction 2

### PROPOSED WATER SUPPLY WELL USE

Domestic \_\_\_\_\_ Industrial \_\_\_\_\_ Other \_\_\_\_\_  
Municipal \_\_\_\_\_ Irrigation \_\_\_\_\_

### DRILLING METHOD:

Mud Rotary \_\_\_\_\_ Air Rotary \_\_\_\_\_ Auger X  
Cable \_\_\_\_\_ Other \_\_\_\_\_

DRILLER'S LICENSE NO. C57 # 554979  
West Hayward Drilling Corp.

### WELL PROJECTS

Drill Hole Diameter 10 in. Maximum \_\_\_\_\_  
Casing Diameter 4 in. Depth 25 ft.  
Surface Seal Depth 5 ft. Number 2

### GEOTECHNICAL PROJECTS

Number of Borings \_\_\_\_\_ Maximum \_\_\_\_\_  
Hole Diameter \_\_\_\_\_ in. Depth \_\_\_\_\_ ft.

ESTIMATED STARTING DATE 2/4/96  
ESTIMATED COMPLETION DATE 5/04/96

I hereby agree to comply with all requirements of this permit and Alameda  
City Ordinance No. 73-68.

### APPLICANT'S

SIGNATURE Robert W. Davis Date 1/25/96  
EMCON

### A. GENERAL

1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well Projects, or drilling logs and location sketch for geotechnical projects.
3. Permit is void if project not begun within 90 days of approval date.

### B. WATER WELLS, INCLUDING PIEZOMETERS

1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

C. GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

D. CATHODIC. Fill hole above anodic zone with concrete placed by tremie.

E. WELL DESTRUCTION. See attached.

Approved

Wyman Hong  
Wyman Hong

Date 1 Feb 96

01 February 1996

ZONE 7  
WATER RESOURCES ENGINEERING  
DRILLING ORDINANCE

ARCO PRODUCTS COMPANY  
6235 SEMINARY AVENUE  
OAKLAND  
WELLS 2S/3W 3R80 TO 3R81  
PERMIT 96071

Destruction Requirements:

1. Drill out the well so that the casing, seal, and gravel pack are removed to the bottom of the well.
2. Sound the well as deeply as practicable and record for your report.
3. Using a tremie pipe, fill the hole to 2 feet below the lower of finished grade or original ground with neat cement.
4. After the seal has set, backfill the remaining hole with compacted material.

These destruction requirements as proposed by Robert Davis of Emcon meet or exceed the Zone 7 minimum requirements.

**ATTACHMENT B**

**ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY RECORDS  
CONFIRMATION SOIL SAMPLES**



# Sequoia Analytical

680 Chesapeake Drive  
404 N. Wiget Lane  
819 Striker Avenue, Suite 8

Redwood City, CA 94063  
Walnut Creek, CA 94598  
Sacramento, CA 95834

(415) 364-9600  
(510) 988-9600  
(916) 921-9600

FAX (415) 364-9233  
FAX (510) 988-9673  
FAX (916) 921-0100

EMCON Associates  
1921 Ringwood Avenue  
San Jose, CA 95131  
Attention: John Young

Project: Arco 6002

Enclosed are the results from samples received at Sequoia Analytical on March 6, 1996.  
The requested analyses are listed below:

<u>SAMPLE #</u>	<u>SAMPLE DESCRIPTION</u>	<u>DATE COLLECTED</u>	<u>TEST METHOD</u>
9603273 -01	SOLID, T1-W	03/06/96	TPHGBS Purgeable TPH/BTEX
9603273 -02	SOLID, T1-E	03/06/96	TPHGBS Purgeable TPH/BTEX
9603273 -03	SOLID, T1-N	03/06/96	TPHGBS Purgeable TPH/BTEX
9603273 -04	SOLID, T2-W	03/06/96	TPHGBS Purgeable TPH/BTEX
9603273 -05	SOLID, T2-E	03/06/96	TPHGBS Purgeable TPH/BTEX
9603273 -06	SOLID, T3-W	03/06/96	TPHGBS Purgeable TPH/BTEX
9603273 -07	SOLID, T3-E	03/06/96	TPHGBS Purgeable TPH/BTEX
9603273 -08	SOLID, T4-S	03/06/96	TPHGBS Purgeable TPH/BTEX
9603273 -09	SOLID, T4-W	03/06/96	TPHGBS Purgeable TPH/BTEX
9603273 -10	SOLID, PL-1	03/06/96	TPHGBS Purgeable TPH/BTEX
9603273 -11	SOLID, PL-2	03/06/96	TPHGBS Purgeable TPH/BTEX
9603273 -12	SOLID, PL-3	03/06/96	TPHGBS Purgeable TPH/BTEX
9603273 -13	SOLID, PL-4	03/06/96	TPHGBS Purgeable TPH/BTEX
9603273 -14	LIQUID, GW GRAB	03/06/96	TPGBMW Purgeable TPH/BTEX

Please contact me if you have any questions. In the meantime, thank you for the opportunity to work with you on this project.

Very truly yours,

**SEQUOIA ANALYTICAL**

Artas Ankaitis  
Project Manager

Quality Assurance Department



Sequoia  
Analytical

680 Chesapeake Drive  
404 N. Wiget Lane  
819 Striker Avenue, Suite 8

Redwood City, CA 94063  
Walnut Creek, CA 94598  
Sacramento, CA 95834

(415) 364-9600  
(510) 988-9600  
(916) 921-9600

FAX (415) 364-9233  
FAX (510) 988-9673  
FAX (916) 921-0100

EMCON Associates  
1921 Ringwood Avenue  
San Jose, CA 95131  
Attention: John Young

Client Proj. ID: Arco 6002

Lab Proj. ID: 9603273

Received: 03/06/96

Reported: 03/07/96

## LABORATORY NARRATIVE

No Issues

SEQUOIA ANALYTICAL

Vytas Ankaitis  
Project Manager



EMCON Associates  
1921 Ringwood Avenue  
San Jose, CA 95131

Client Proj. ID: Arco 6002  
Sample Descript: T1-W  
Matrix: SOLID  
Analysis Method: 8015Mod/8020  
Lab Number: 9603273-01

Sampled: 03/06/96  
Received: 03/06/96  
Extracted: 03/06/96  
Analyzed: 03/07/96  
Reported: 03/07/96

QC Batch Number: GC030696BTEXEXA  
Instrument ID: GCHP18

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX**

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	4.5
Benzene	0.0050	0.13
Toluene	0.0050	0.021
Ethyl Benzene	0.0050	0.083
Xylenes (Total)	0.0050	0.11
Chromatogram Pattern: Weathered Gas		C6-C12
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	91

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

**SEQUOIA ANALYTICAL** - ELAP #1210

  
Vytas Ankaitis  
Project Manager







EMCON Associates  
1921 Ringwood Avenue  
San Jose, CA 95131

Client Proj. ID: Arco 6002  
Sample Descript: T1-E  
Matrix: SOLID  
Analysis Method: 8015Mod/8020  
Lab Number: 9603273-02

Sampled: 03/06/96  
Received: 03/06/96  
Extracted: 03/06/96  
Analyzed: 03/07/96  
Reported: 03/07/96

QC Batch Number: GC030696BTEXEXA  
Instrument ID: GCHP18

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX**

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	6.0
Benzene	0.0050	0.055
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	0.044
Xylenes (Total)	0.0050	0.15
Chromatogram Pattern: Weathered Gas		C6-C12
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	100

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

**SEQUOIA ANALYTICAL** - ELAP #1210

Vytas Ankaitis  
Project Manager



EMCON Associates  
1921 Ringwood Avenue  
San Jose, CA 95131

Client Proj. ID: Arco 6002  
Sample Descript: T1-N  
Matrix: SOLID  
Analysis Method: 8015Mod/8020  
Lab Number: 9603273-03

Sampled: 03/06/96  
Received: 03/06/96  
Extracted: 03/06/96  
Analyzed: 03/07/96  
Reported: 03/07/96

QC Batch Number: GC030696BTEXEXA  
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	3.7
Benzene	0.0050	0.0058
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	0.036
Xylenes (Total)	0.0050	0.20
Chromatogram Pattern: Weathered Gas		C8-C12
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	86

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

SEQUOIA ANALYTICAL - ELAP #1210

Vytas Ankaitis  
Project Manager



EMCON Associates  
1921 Ringwood Avenue  
San Jose, CA 95131  
  
Attention: John Young

Client Proj. ID: Arco 6002  
Sample Descript: T2-W  
Matrix: SOLID  
Analysis Method: 8015Mod/8020  
Lab Number: 9603273-04

Sampled: 03/06/96  
Received: 03/06/96  
Extracted: 03/06/96  
Analyzed: 03/07/96  
Reported: 03/07/96

QC Batch Number: GC030696BTEXEXA  
Instrument ID: GCHP18

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX**

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	0.0052
Xylenes (Total)	0.0050	0.0074
Chromatogram Pattern:		
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	87 ✓

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

**SEQUOIA ANALYTICAL** ELAP #1210

  
Vytas Ankaitis  
Project Manager



EMCON Associates  
1921 Ringwood Avenue  
San Jose, CA 95131

Client Proj. ID: Arco 6002  
Sample Descript: T2-E  
Matrix: SOLID  
Analysis Method: 8015Mod/8020  
Lab Number: 9603273-05

Sampled: 03/06/96  
Received: 03/06/96  
Extracted: 03/06/96  
Analyzed: 03/07/96  
Reported: 03/07/96

GC Batch Number: GC030696BTEXEXA  
Instrument ID: GCHP18

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX**

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	1.2
Benzene	0.0050	0.087
Toluene	0.0050	0.073
Ethyl Benzene	0.0050	0.024
Xylenes (Total)	0.0050	0.13
Chromatogram Pattern:		Gas
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	85 ✓

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

**SEQUOIA ANALYTICAL** - ELAP #1210

  
Vytas Ankaitis  
Project Manager



EMCON Associates  
1921 Ringwood Avenue  
San Jose, CA 95131

Attention: John Young

Client Proj. ID: Arco 6002  
Sample Descript: T3-W  
Matrix: SOLID  
Analysis Method: 8015Mod/8020  
Lab Number: 9603273-06

Sampled: 03/06/96  
Received: 03/06/96  
Extracted: 03/06/96  
Analyzed: 03/07/96  
Reported: 03/07/96

GC Batch Number: GC030696BTEXEXA  
Instrument ID: GCHP18

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX**

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Chromatogram Pattern:		
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	88 ✓

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

**SEQUOIA ANALYTICAL** ELAP #1210

Vytas Ankaitis  
Project Manager



EMCON Associates  
 1921 Ringwood Avenue  
 San Jose, CA 95131  
 Attention: John Young

Client Proj. ID: Arco 6002  
 Sample Descript: T3-E  
 Matrix: SOLID  
 Analysis Method: 8015Mod/8020  
 Lab Number: 9603273-07

Sampled: 03/06/96  
 Received: 03/06/96  
 Extracted: 03/06/96  
 Analyzed: 03/07/96  
 Reported: 03/07/96

QC Batch Number: GC030696BTEXEXA  
 Instrument ID: GCHP18

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX**

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Chromatogram Pattern:		
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70                      130	95 ✓

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

SEQUOIA ANALYTICAL - ELAP #1210

Vytas Ankaitis  
 Project Manager



EMCON Associates  
1921 Ringwood Avenue  
San Jose, CA 95131  
  
Attention: John Young

Client Proj. ID: Arco 6002  
Sample Descript: T4-S  
Matrix: SOLID  
Analysis Method: 8015Mod/8020  
Lab Number: 9603273-08

Sampled: 03/06/96  
Received: 03/06/96  
Extracted: 03/06/96  
Analyzed: 03/07/96  
Reported: 03/07/96

QC Batch Number: GC030696BTEXEXA  
Instrument ID: GCHP18

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX**

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	1.4
Benzene	0.0050	0.031
Toluene	0.0050	0.15
Ethyl Benzene	0.0050	0.022
Xylenes (Total)	0.0050	0.24
Chromatogram Pattern:		Gas
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70                      130	97

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

**EQUOIA ANALYTICAL**      ELAP #1210

Vytautas Ankaitis  
Project Manager



EMCON Associates 1921 Ringwood Avenue San Jose, CA 95131	Client Proj. ID: Arco 6002 Sample Descript: T4-W Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9603273-09	Sampled: 03/06/96 Received: 03/06/96 Extracted: 03/06/96 Analyzed: 03/07/96 Reported: 03/07/96
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GC Batch Number: GC030696BTEXEXA  
Instrument ID: GCHP18

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX**

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	25	120
Benzene	0.12	0.14
Toluene	0.12	1.8
Ethyl Benzene	0.12	0.70
Xylenes (Total)	0.12	5.1
Chromatogram Pattern: Weathered Gas		C7-C12
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	106

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

**SEQUOIA ANALYTICAL - ELAP #1210**



Vytas Ankaitis  
Project Manager





EMCON Associates  
 1921 Ringwood Avenue  
 San Jose, CA 95131

Client Proj. ID: Arco 6002  
 Sample Descript: PL-1  
 Matrix: SOLID  
 Analysis Method: 8015Mod/8020  
 Lab Number: 9603273-10

Sampled: 03/06/96  
 Received: 03/06/96  
 Extracted: 03/06/96  
 Analyzed: 03/07/96  
 Reported: 03/07/96

GC Batch Number: GC030696BTEXEXA  
 Instrument ID: GCHP01

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX**

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Chromatogram Pattern:		
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	93 ✓

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

**SEQUOIA ANALYTICAL** - ELAP #1210

Vytas Ankaitis  
 Project Manager



EMCON Associates  
1921 Ringwood Avenue  
San Jose, CA 95131  
  
Attention: John Young

Client Proj. ID: Arco 6002  
\* Sample Descript: PL-2  
Matrix: SOLID  
Analysis Method: 8015Mod/8020  
Lab Number: 9603273-11

Sampled: 03/06/96  
Received: 03/06/96  
Extracted: 03/06/96  
Analyzed: 03/07/96  
Reported: 03/07/96

GC Batch Number: GC030696BTEXEXA  
Instrument ID: GCHP01

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX**

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Benzene	0.0050	N.D.
<b>Toluene</b>	<b>0.0050</b>	<b>0.012</b>
Ethyl Benzene	0.0050	N.D.
<b>Xylenes (Total)</b>	<b>0.0050</b>	<b>0.048</b>
Chromatogram Pattern:		
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	96 ✓

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

**SEQUOIA ANALYTICAL** - ELAP #1210

Vytas Ankaitis  
Project Manager



EMCON Associates 1921 Ringwood Avenue San Jose, CA 95131	Client Proj. ID: Arco 6002 Sample Descript: PL-3 Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9603273-12	Sampled: 03/06/96 Received: 03/06/96 Extracted: 03/06/96 Analyzed: 03/07/96 Reported: 03/07/96
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GC Batch Number: GC030696BTEXEXA  
Instrument ID: GCHP01

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX**

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
<b>TPPH as Gas</b>	<b>20</b>	<b>130</b>
Benzene	0.10	N.D.
Toluene	0.10	N.D.
Ethyl Benzene	0.10	0.21
Xylenes (Total)	0.10	N.D.
Chromatogram Pattern: Weathered Gas		C8-C12
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70                      130	97



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

**SEQUOIA ANALYTICAL** - ELAP #1210

Vytas Ankaitis  
Project Manager





EMCON Associates  
1921 Ringwood Avenue  
San Jose, CA 95131

Attention: John Young

Client Proj. ID: Arco 6002  
Sample Descript: PL-4  
Matrix: SOLID  
Analysis Method: 8015Mod/8020  
Lab Number: 9603273-13

Sampled: 03/06/96  
Received: 03/06/96  
Extracted: 03/06/96  
Analyzed: 03/07/96  
Reported: 03/07/96

GC Batch Number: GC030696BTEXEXA  
Instrument ID: GCHP01

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX**

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Chromatogram Pattern:		
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	93



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

**SEQUOIA ANALYTICAL** - ELAP #1210

Vytas Ankaitis  
Project Manager





EMCON Associates  
 1921 Ringwood Avenue  
 San Jose, CA 95131

Client Proj. ID: Arco 6002  
 Sample Descript: GW GRAB  
 Matrix: LIQUID  
 Analysis Method: 8015Mod/8020  
 Lab Number: 9603273-14

Sampled: 03/06/96  
 Received: 03/06/96  
 Analyzed: 03/07/96  
 Reported: 03/07/96

GC Batch Number: GC030796BTEX17A  
 Instrument ID: GCHP17

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE**

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	10000	71000
Methyl t-Butyl Ether	500	N.D.
Benzene	100	2200
Toluene	100	9200
Ethyl Benzene	100	1900
Xylenes (Total)	100	11000
Chromatogram Pattern:		Gas

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	90

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

**SEQUOIA ANALYTICAL** - ELAP #1210

Vytas Ankaitis  
 Project Manager



Emcon Associates  
1921 Ringwood Avenue  
San Jose, CA 95131  
Attention: John Young

Client Project ID: Arco 6002  
Matrix: Solid

Work Order #: 9603273 -01-13

Reported: Mar 8, 1996

**QUALITY CONTROL DATA REPORT**

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC030696BTEXEXA	GC030696BTEXEXA	GC030696BTEXEXA	GC030696BTEXEXA
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	D. Jirsa	D. Jirsa	D. Jirsa	D. Jirsa
MS/MSD #:	960205603	960205603	960205603	960205603
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	3/6/96	3/6/96	3/6/96	3/6/96
Analyzed Date:	3/7/96	3/7/96	3/7/96	3/7/96
Instrument I.D.#:	GCHP1	GCHP1	GCHP1	GCHP1
Conc. Spiked:	0.20 mg/Kg	0.20 mg/Kg	0.20 mg/Kg	0.60 mg/Kg
Result:	0.16	0.16	0.17	0.51
MS % Recovery:	80	80	85	85
Dup. Result:	0.17	0.17	0.18	0.54
MSD % Recov.:	85	85	90	90
RPD:	6.1	6.1	5.7	5.7
RPD Limit:	0-50	0-50	0-50	0-50

LCS #:	BLK030796	BLK030796	BLK030796	BLK030796
Prepared Date:	3/6/96	3/6/96	3/6/96	3/6/96
Analyzed Date:	3/7/96	3/7/96	3/7/96	3/7/96
Instrument I.D.#:	GCHP1	GCHP1	GCHP1	GCHP1
Conc. Spiked:	0.20 mg/Kg	0.20 mg/Kg	0.20 mg/Kg	0.60 mg/Kg
LCS Result:	0.19	0.19	0.19	0.58
LCS % Recov.:	95	95	95	97

MS/MSD LCS Control Limits	50-150	50-150	50-150	50-150
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Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

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.

SEQUOIA ANALYTICAL

Vytas Ankaitis  
Project Manager

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

9603273.EEE <1>





Emcon Associates Client Project ID: Arco 6002  
 1921 Ringwood Avenue Matrix: Liquid  
 San Jose, CA 95131  
 Attention: John Young Work Order #: 9603273-14 Reported: Mar 8, 1996

**QUALITY CONTROL DATA REPORT**

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC030796BTEX17A	GC030796BTEX17A	GC030796BTEX17A	GC030796BTEX17A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030

	J. Woo	J. Woo	J. Woo	J. Woo
Analyst:	J. Woo	J. Woo	J. Woo	J. Woo
MS/MSD #:	9602J3504	9602J3504	9602J3504	9602J3504
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	3/7/96	3/7/96	3/7/96	3/7/96
Analyzed Date:	3/7/96	3/7/96	3/7/96	3/7/96
Instrument I.D.#:	GCHP17	GCHP17	GCHP17	GCHP17
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	11	10	10	30
MS % Recovery:	110	100	100	100
Dup. Result:	10	10	10	30
MSD % Recov.:	100	100	100	100
RPD:	9.5	0.0	0.0	0.0
RPD Limit:	0-50	0-50	0-50	0-50

LCS #:	BLK030796	BLK030796	BLK030796	BLK030796
Prepared Date:	3/7/96	3/7/96	3/7/96	3/7/96
Analyzed Date:	3/7/96	3/7/96	3/7/96	3/7/96
Instrument I.D.#:	GCHP17	GCHP17	GCHP17	GCHP17
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
LCS Result:	10	10	10	31
LCS % Recov.:	100	100	100	103

MS/MSD LCS Control Limits	70-130	70-130	70-130	70-130
Control Limits	70-130	70-130	70-130	70-130

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

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.

**SEQUOIA ANALYTICAL**

*[Signature]*  
 Vytautas Ankaitis  
 Project Manager

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

9603273.EEE <2>



ARCO Facility no. <b>6002-</b>	City (Facility) <b>Oakland</b>	Project manager (Consultant) <b>John Young</b>	Laboratory name <b>Sequoia</b>
ARCO engineer <b>Mike Whelan</b>	Telephone no. (ARCO) <b>(408) 453-1640</b>	Telephone no. (Consultant) <b>(408) 453-7300</b>	Contract number
Consultant name <b>EMCON</b>	Address (Consultant) <b>1921 Ringwood Ave. San Jose, CA</b>		
Fax no. (Consultant) <b>(408) 437-9526</b>			Method of shipment

Sample I.D.	Lab no.	Container no.	Matrix			Preservation		Sampling date	Sampling time	BTEX EPA 802/EPA 8020	BTEX/TPH EPA M602/6020/8015	TPH Modified 8015 Gas <input type="checkbox"/> Diesel <input type="checkbox"/>	Oil and Grease 413.1 <input type="checkbox"/> 413.2 <input type="checkbox"/>	TPH EPA 418.1/SM603E	EPA 601/8010	EPA 824/8240	EPA 625/6270	TCLP Metals <input type="checkbox"/> VOA <input type="checkbox"/> VOA <input type="checkbox"/>	Semi Metals <input type="checkbox"/> VOA <input type="checkbox"/> VOA <input type="checkbox"/>	CAM Metals EPA 60107/7000 TLC <input type="checkbox"/> STLC <input type="checkbox"/>	Lead Org./DHS <input type="checkbox"/> Lead EPA <input type="checkbox"/> 7420/7421 <input type="checkbox"/>	MTBE	
			Soil	Water	Other	Ice	Acid																
T1-W	01	1	/				3/6/96																
T1-E	02																						
T1-N	03																						
T2-W	04																						
T2-E	05																						
T3-W	06																						
T3-E	07																						
T4-S	08																						
T4-W	09																						
PL-1	10																						
PL-2	11																						
PL-3	12																						
PL-4	13		↓	↓			↓																
GW Grab	19	2	/				3/6/96																

Special detection Limit/reporting

Special QA/QC

Remarks  
**EMCON Project #  
20805-131.006**

Lab number  
**9603273**

Turnaround time

Priority Rush 1 Business Day

Rush 2 Business Days

Expedited 5 Business Days

Standard 10 Business Days

Condition of sample:		Temperature received:	
Relinquished by sampler <b>Robert K. [Signature]</b>	Date <b>3/6/96</b> Time <b>4:20 PM</b>	Received by <b>Michael Heid</b>	
Relinquished by <b>Michael Heid</b>	Date <b>3-6-96</b> Time <b>5:15</b>	Received by	
Relinquished by	Date	Received by laboratory	Date <b>3/6/96</b> Time <b>1713</b>





# Sequoia Analytical

680 Chesapeake Drive  
404 N. Wiget Lane  
819 Striker Avenue, Suite 8

Redwood City, CA 94063  
Walnut Creek, CA 94598  
Sacramento, CA 95834

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(510) 988-9600  
(916) 921-9600

FAX (415) 364-9233  
FAX (510) 988-9673  
FAX (916) 921-0100

EMCON Associates  
1921 Ringwood Avenue  
San Jose, CA 95131  
Attention: John Young

Project: Arco 6002

Enclosed are the results from samples received at Sequoia Analytical on March 8, 1996.  
The requested analyses are listed below:

<u>SAMPLE #</u>	<u>SAMPLE DESCRIPTION</u>	<u>DATE COLLECTED</u>	<u>TEST METHOD</u>
9603479 -01	SOLID, PL-5	03/08/96	TPHGBS Purgeable TPH/BTEX
9603479 -02	SOLID, PL-6	03/08/96	TPHGBS Purgeable TPH/BTEX
9603479 -03	SOLID, PL-7	03/08/96	TPHGBS Purgeable TPH/BTEX
9603479 -04	SOLID, PL-8	03/08/96	TPHGBS Purgeable TPH/BTEX
9603479 -05	SOLID, PL-9	03/08/96	TPHGBS Purgeable TPH/BTEX
9603479 -06	SOLID, T4-W(C)	03/08/96	TPHGBS Purgeable TPH/BTEX
9603479 -07	SOLID, T1-W(C)	03/08/96	TPHGBS Purgeable TPH/BTEX

Please contact me if you have any questions. In the meantime, thank you for the opportunity to work with you on this project.

Very truly yours,

**SEQUOIA ANALYTICAL**

Vytautas Ankaitis  
Project Manager

Quality Assurance Department



**Sequoia  
Analytical**

680 Chesapeake Drive  
404 N. Wiget Lane  
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FAX (510) 988-9673  
FAX (916) 921-0100

EMCON Associates  
1921 Ringwood Avenue  
San Jose, CA 95131  
Attention: John Young

Client Proj. ID: Arco 6002

Received: 03/08/96

Lab Proj. ID: 9603479

Reported: 03/11/96

### LABORATORY NARRATIVE

No Issues

**SEQUOIA ANALYTICAL**

Vytautas Ankaitis  
Project Manager





EMCON Associates  
1921 Ringwood Avenue  
San Jose, CA 95131

Client Proj. ID: Arco 6002  
Sample Descript: PL-5  
Matrix: SOLID  
Analysis Method: 8015Mod/8020  
Lab Number: 9603479-01

Sampled: 03/08/96  
Received: 03/08/96  
Extracted: 03/09/96  
Analyzed: 03/10/96  
Reported: 03/11/96

Attention: John Young

C Batch Number: GC030996BTEXEXA  
Instrument ID: GCHP01

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX**

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Benzene	0.0050	0.0058
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	0.0065
Chromatogram Pattern:		
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	99



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

**SEQUOIA ANALYTICAL** - ELAP #1210

Vytas Ankaitis  
Project Manager





EMCON Associates  
1921 Ringwood Avenue  
San Jose, CA 95131

Attention: John Young

Client Proj. ID: Arco 6002  
Sample Descript: PL-6  
Matrix: SOLID  
Analysis Method: 8015Mod/8020  
Lab Number: 9603479-02

Sampled: 03/08/96  
Received: 03/08/96  
Extracted: 03/09/96  
Analyzed: 03/09/96  
Reported: 03/11/96

GC Batch Number: GC030996BTEXEXA  
Instrument ID: GCHP01

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX**

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Chromatogram Pattern:		
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	103

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

**SEQUOIA ANALYTICAL** - ELAP #1210

Vytas Ankaitis  
Project Manager





EMCON Associates  
1921 Ringwood Avenue  
San Jose, CA 95131

Attention: John Young

Client Proj. ID: Arco 6002  
Sample Descript: PL-7  
Matrix: SOLID  
Analysis Method: 8015Mod/8020  
Lab Number: 9603479-03

Sampled: 03/08/96  
Received: 03/08/96  
Extracted: 03/09/96  
Analyzed: 03/09/96  
Reported: 03/11/96

GC Batch Number: GC030996BTEXEXA  
Instrument ID: GCHP01

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX**

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	1.4
Benzene	0.0050	0.061
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	0.012
Xylenes (Total)	0.0050	0.034
Chromatogram Pattern: Weathered Gas		C6-C12
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	99

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

**SEQUOIA ANALYTICAL - ELAP #1210**

Vytas Ankaitis  
Project Manager



EMCON Associates  
1921 Ringwood Avenue  
San Jose, CA 95131

Attention: John Young

Client Proj. ID: Arco 6002  
Sample Descript: PL-8  
Matrix: SOLID  
Analysis Method: 8015Mod/8020  
Lab Number: 9603479-04

Sampled: 03/08/96  
Received: 03/08/96  
Extracted: 03/09/96  
Analyzed: 03/09/96  
Reported: 03/11/96

C Batch Number: GC030996BTEXEXA  
Instrument ID: GCHP01

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX**

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	2.2
Benzene	0.0050	0.11
Toluene	0.0050	0.057
Ethyl Benzene	0.0050	0.012
Xylenes (Total)	0.0050	0.070
Chromatogram Pattern: Weathered Gas		C6-C12
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	104



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

**SEQUOIA ANALYTICAL** - ELAP #1210

Vytas Ankaitis  
Project Manager





EMCON Associates  
1921 Ringwood Avenue  
San Jose, CA 95131

Client Proj. ID: Arco 6002  
Sample Descript: PL-9  
Matrix: SOLID  
Analysis Method: 8015Mod/8020  
Lab Number: 9603479-05

Sampled: 03/08/96  
Received: 03/08/96  
Extracted: 03/09/96  
Analyzed: 03/09/96  
Reported: 03/11/96

Attention: John Young

QC Batch Number: GC030996BTEXEXA  
Instrument ID: GCHP01

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX**

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Chromatogram Pattern:		
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70                      130	102

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

**SEQUOIA ANALYTICAL** - ELAP #1210

Vytas Ankaitis  
Project Manager





EMCON Associates  
1921 Ringwood Avenue  
San Jose, CA 95131

Attention: John Young

Client Proj. ID: Arco 6002  
Sample Descript: T4-W(C)  
Matrix: SOLID  
Analysis Method: 8015Mod/8020  
Lab Number: 9603479-06

Sampled: 03/08/96  
Received: 03/08/96  
Extracted: 03/09/96  
Analyzed: 03/09/96  
Reported: 03/11/96

GC Batch Number: GC030996BTEXEXA  
Instrument ID: GCHP01

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX**

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	1.5
Benzene	0.0050	0.030
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	0.0086
Xylenes (Total)	0.0050	0.097
Chromatogram Pattern: Weathered Gas		C6-C12
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	92



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

**SEQUOIA ANALYTICAL** - ELAP #1210

Vytas Ankaitis  
Project Manager







EMCON Associates  
1921 Ringwood Avenue  
San Jose, CA 95131

Client Proj. ID: Arco 6002  
Sample Descript: T1-W(C)  
Matrix: SOLID  
Analysis Method: 8015Mod/8020  
Lab Number: 9603479-07

Sampled: 03/08/96  
Received: 03/08/96  
Extracted: 03/09/96  
Analyzed: 03/09/96  
Reported: 03/11/96

QC Batch Number: GC030996BTEXEXA  
Instrument ID: GCHP01

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX**

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	1.4
Benzene	0.0050	0.035
Toluene	0.0050	0.020
Ethyl Benzene	0.0050	0.018
Xylenes (Total)	0.0050	0.037
Chromatogram Pattern: Weathered Gas		C6-C12
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	101

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

**SEQUOIA ANALYTICAL** - ELAP #1210

  
Vytas Ankaitis  
Project Manager



Emcon Associates Client Project ID: Arco 6002  
 1921 Ringwood Avenue Matrix: Solid  
 San Jose, CA 95131  
 Attention: John Young Work Order #: 9603479 -01-07 Reported: Mar 12, 1996

**QUALITY CONTROL DATA REPORT**

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC030996BTEXEXA	GC030996BTEXEXA	GC030996BTEXEXA	GC030996BTEXEXA
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	A. Maralit	A. Maralit	A. Maralit	A. Maralit
MS/MSD #:	960347802	960347802	960347802	960347802
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	3/9/96	3/9/96	3/9/96	3/9/96
Analyzed Date:	3/9/96	3/9/96	3/9/96	3/9/96
Instrument I.D.#:	GCHP1	GCHP1	GCHP1	GCHP1
Conc. Spiked:	0.20 mg/Kg	0.20 mg/Kg	0.20 mg/Kg	0.60 mg/Kg
Result:	0.16	0.17	0.16	0.47 ✓
MS % Recovery:	80	85	80	78 ✓
Dup. Result:	0.17	0.17	0.17	0.52
MSD % Recov.:	85	85	85	87 ✓
RPD:	6.1	0.0	6.1	10 ✓
RPD Limit:	0-50	0-50	0-50	0-50

LCS #:	BLK030996	BLK030996	BLK030996	BLK030996
Prepared Date:	3/9/96	3/9/96	3/9/96	3/9/96
Analyzed Date:	3/9/96	3/9/96	3/9/96	3/9/96
Instrument I.D.#:	GCHP1	GCHP1	GCHP1	GCHP1
Conc. Spiked:	0.20 mg/Kg	0.20 mg/Kg	0.20 mg/Kg	0.60 mg/Kg
LCS Result:	0.21	0.21	0.22	0.64 ✓
LCS % Recov.:	105	105	110	107 ✓

MS/MSD LCS Control Limits	50-150	50-150	50-150	50-150
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Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

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.

**SEQUOIA ANALYTICAL**  
  
 Vytas Ankaitis  
 Project Manager



**ARCO Products Company**

Division of AtlanticRichfieldCompany

Task Order No. 19461.00

Chain of Custody

ARCO Facility no. <u>6002</u>	City (Facility) <u>Oakland</u>	Project manager (Consultant) <u>John Young</u>	
ARCO engineer <u>Mike Whelan</u>	Telephone no. (ARCO) <u>(408) 453-1640</u>	Telephone no. (Consultant) <u>(408) 453-7300</u>	Fax no. (Consultant) <u>(408) 437-9526</u>
Consultant name <u>EMCON</u>		Address (Consultant) <u>1921 Ringwood Ave. San Jose, CA</u>	

Laboratory name Sequoia

Contract number

Sample I.D.	Lab no.	Container no.	Matrix			Preservation		Sampling date	Sampling time	BTEX 602/EPA 8020	BTEX/TPH EPA 1602/8020/8015	TPH Modified 8015 Gas <input type="checkbox"/> Diesel <input type="checkbox"/>	Oil and Grease 413.1 <input type="checkbox"/> 413.2 <input type="checkbox"/>	TPH EPA 418.1/SM503E	EPA 601/8010	EPA 624/8240	EPA 625/8270	TCMP Metals <input type="checkbox"/> VOA <input type="checkbox"/> VOA <input type="checkbox"/>	Semi Metals <input type="checkbox"/> VOA <input type="checkbox"/> VOA <input type="checkbox"/>	C&M Metals EPA 821/87000 TTL <input type="checkbox"/> STL <input type="checkbox"/>	Lead Org./DHS <input type="checkbox"/> Lead EPA 7420/7421 <input type="checkbox"/>				
			Soil	Water	Other	Ice	Acid																		
PL-5	01																								
PL-6	02																								
PL-7	03																								
PL-8	04																								
PL-9	05																								
T4-W/C	06																								
T1-W/C	07																								

Method of shipment

Special detection Limit/reporting

Special QA/QC

Remarks  
EMCON Project  
# 0805-131.006

Lab number  
9603479

Turnaround time

Priority Rush  -1 Business Day

Rush  2 Business Days

Expedited  5 Business Days

Standard  10 Business Days

Condition of sample: <u>good</u>		Temperature received: <u>cool</u>	
Relinquished by sampler <u>Robert K. O'Neil</u>	Date <u>3/08/96</u> Time <u>4:00 PM</u>	Received by <u>Michael Klein</u>	
Relinquished by <u>Michael Klein</u>	Date <u>3-8-96</u> Time <u>5:10</u>	Received by	
Relinquished by	Date	Received by laboratory <u>plm</u>	Date <u>3/8/96</u> Time <u>1710</u>



# Sequoia Analytical

680 Chesapeake Drive  
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FAX (510) 988-9673  
FAX (916) 921-0100

EMCON Associates  
1921 Ringwood Avenue  
San Jose, CA 95131  
Attention: John Young

Project: Arco 6002

Enclosed are the results from samples received at Sequoia Analytical on March 11, 1996.  
The requested analyses are listed below:

<u>SAMPLE #</u>	<u>SAMPLE DESCRIPTION</u>	<u>DATE COLLECTED</u>	<u>TEST METHOD</u>
9603604 -01	SOLID, PL-10	03/11/96	TPHGBS Purgeable TPH/BTEX
9603604 -02	SOLID, PL-11	03/11/96	TPHGBS Purgeable TPH/BTEX

Please contact me if you have any questions. In the meantime, thank you for the opportunity to work with you on this project.

Very truly yours,

SEQUOIA ANALYTICAL

Vytautas Ankaitis  
Project Manager

Quality Assurance Department





Sequoia  
Analytical

680 Chesapeake Drive  
404 N. Wiget Lane  
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Redwood City, CA 94063  
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FAX (415) 364-9233  
FAX (510) 988-9673  
FAX (916) 921-0100

EMCON Associates  
1921 Ringwood Avenue  
San Jose, CA 95131  
Attention: John Young

Client Proj. ID: Arco 6002

Received: 03/11/96

Lab Proj. ID: 9603604

Reported: 03/13/96

## LABORATORY NARRATIVE

No Issues

SEQUOIA ANALYTICAL

Vytautas Ankaitis  
Project Manager





EMCON Associates  
1921 Ringwood Avenue  
San Jose, CA 95131

Attention: John Young

Client Proj. ID: Arco 6002  
Sample Descript: PL-10  
Matrix: SOLID  
Analysis Method: 8015Mod/8020  
Lab Number: 9603604-01

Sampled: 03/11/96  
Received: 03/11/96  
Extracted: 03/12/96  
Analyzed: 03/12/96  
Reported: 03/13/96

GC Batch Number: GC031296BTEXEXA  
Instrument ID: GCHP01

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	2.3
Benzene	0.0050	0.082
Toluene	0.0050	0.027
Ethyl Benzene	0.0050	0.060
Xylenes (Total)	0.0050	0.035
Chromatogram Pattern: Weathered Gas		C6-C12
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	103



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

SEQUOIA ANALYTICAL - ELAP #1210

Vytas Ankaitis  
Project Manager





EMCON Associates  
1921 Ringwood Avenue  
San Jose, CA 95131

Client Proj. ID: Arco 6002  
Sample Descript: PL-11  
Matrix: SOLID  
Analysis Method: 8015Mod/8020  
Lab Number: 9603604-02

Sampled: 03/11/96  
Received: 03/11/96  
Extracted: 03/12/96  
Analyzed: 03/12/96  
Reported: 03/13/96

GC Batch Number: GC031296BTEXEXA  
Instrument ID: GCHP 1

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX**

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Benzene	0.0050	0.011
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Chromatogram Pattern: Discrete Peak		C6
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	109 ✓

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

**SEQUOIA ANALYTICAL** ELAP #1210

Vytas Ankaftis  
Project Manager





Emcon Associates  
 1921 Ringwood Avenue  
 San Jose, CA 95131  
 Attention: John Young

Client Project ID: Arco 6002  
 Matrix: Solid  
 Work Order #: 9603604 -01, 02

Reported: Mar 14, 1996

**QUALITY CONTROL DATA REPORT**

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC031296BTEXEXA	GC031296BTEXEXA	GC031296BTEXEXA	GC031296BTEXEXA
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	D. Jirsa	D. Jirsa	D. Jirsa	D. Jirsa
MS/MSD #:	960358101	960358101	960358101	960358101
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	3/12/96	3/12/96	3/12/96	3/12/96
Analyzed Date:	3/12/96	3/12/96	3/12/96	3/12/96
Instrument I.D.#:	GCHP1	GCHP1	GCHP1	GCHP1
Conc. Spiked:	0.20 mg/Kg	0.20 mg/Kg	0.20 mg/Kg	0.60 mg/Kg
Result:	0.15	0.15	0.16	0.47
MS % Recovery:	75	75	80	78
Dup. Result:	0.13	0.14	0.14	0.41
MSD % Recov.:	65	70	70	68
RPD:	14	6.9	13	14
RPD Limit:	0-50	0-50	0-50	0-50

LCS #:	BLK031296	BLK031296	BLK031296	BLK031296
Prepared Date:	3/12/96	3/12/96	3/12/96	3/12/96
Analyzed Date:	3/12/96	3/12/96	3/12/96	3/12/96
Instrument I.D.#:	GCHP1	GCHP1	GCHP1	GCHP1
Conc. Spiked:	0.20 mg/Kg	0.20 mg/Kg	0.20 mg/Kg	0.60 mg/Kg
LCS Result:	0.18	0.18	0.18	0.56
LCS % Recov.:	90	90	90	93

MS/MSD LCS Control Limits	50-150	50-150	50-150	50-150
---------------------------------	--------	--------	--------	--------

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

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.

SEQUOIA ANALYTICAL

Vytas Ankarlis  
 Project Manager

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

9603604.EEE < 1 >





**ARCO Products Company**

Division of AtlanticRichfieldCompany

Task Order No. 19461.00

**Chain of Custody**

ARCO Facility no. 6002

City (Facility) Oakland

Project manager (Consultant) John Young

ARCO engineer Mike Whelan

Telephone no. (ARCO) (408) 453-1640

Telephone no. (Consultant) (408) 453-7306

Fax no. (Consultant) (408) 431-9526

Consultant name EMCON

Address (Consultant) 1921 Ringwood Ave. San Jose, CA

Laboratory name

Sequoia

Contract number

Method of shipment

Special detection Limit/reporting

Special QA/QC

Remarks  
EMCON Project #  
0805-131.006

Lab number  
9603609

Turnaround time

Priority Rush  1 Business Day

Rush  2 Business Days

Expedited  5 Business Days

Standard  10 Business Days

Sample I.D.	Lab no.	Container no.	Matrix			Preservation		Sampling date	Sampling time	BTEX EPA 802/EPA 8020	BTEX/TPH EPA 8020/8020/8015	TPH Modified 8015 Gas <input type="checkbox"/> Diesel <input type="checkbox"/>	Oil and Grease 413.1 <input type="checkbox"/> 413.2 <input type="checkbox"/>	TPH EPA 418.1/SM503E	EPA 601/8010	EPA 624/8540	EPA 625/8270	TCLP Metals <input type="checkbox"/> VOA <input type="checkbox"/>	Semi Metals <input type="checkbox"/> VOA <input type="checkbox"/>	CAM Metals EPA 601/7000 TTLC <input type="checkbox"/> STLC <input type="checkbox"/>	Lead Org./DHS <input type="checkbox"/> Lead EPA 7420/7421 <input type="checkbox"/>	
			Soil	Water	Other	Ice	Acid															
PL-10	01		↓					3/11/96														
PL-11	02		↓																			

Condition of sample:

Temperature received:

Relinquished by sampler Robert A. [Signature]

Date 3/11/96 Time 6:55 PM

Received by \_\_\_\_\_

Relinquished by \_\_\_\_\_

Date \_\_\_\_\_ Time \_\_\_\_\_

Received by \_\_\_\_\_

Relinquished by \_\_\_\_\_

Date \_\_\_\_\_ Time \_\_\_\_\_

Received by laboratory [Signature] Date 3/11/96 Time 10:55

**ATTACHMENT C**

**ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY RECORDS  
SOIL STOCKPILE SAMPLES**



# Sequoia Analytical

680 Chesapeake Drive  
404 N. Wiget Lane  
819 Striker Avenue, Suite 8

Redwood City, CA 94063  
Walnut Creek, CA 94598  
Sacramento, CA 95834

(415) 364-9600  
(510) 988-9600  
(916) 921-9600

FAX (415) 364-9233  
FAX (510) 988-9673  
FAX (916) 921-0100

EMCON Associates  
1921 Ringwood Avenue  
San Jose, CA 95131  
Attention: John Young

Project: Arco 6002

Enclosed are the results from samples received at Sequoia Analytical on March 11, 1996.  
The requested analyses are listed below:

<u>SAMPLE #</u>	<u>SAMPLE DESCRIPTION</u>	<u>DATE COLLECTED</u>	<u>TEST METHOD</u>
9603601 -01	SOLID, SP-1(A-D)Comp	03/11/96	Flash Point
9603601 -01	SOLID, SP-1(A-D)Comp	03/11/96	Lead: STLC Extraction
9603601 -01	SOLID, SP-1(A-D)Comp	03/11/96	pH
9603601 -01	SOLID, SP-1(A-D)Comp	03/11/96	S_REAC Reactivity
9603601 -01	SOLID, SP-1(A-D)Comp	03/11/96	TPHGBS Purgeable TPH/BTEX
9603601 -02	SOLID, SP-2(A-D)Comp	03/11/96	Flash Point
9603601 -02	SOLID, SP-2(A-D)Comp	03/11/96	Lead: STLC Extraction
9603601 -02	SOLID, SP-2(A-D)Comp	03/11/96	pH
9603601 -02	SOLID, SP-2(A-D)Comp	03/11/96	S_REAC Reactivity
9603601 -02	SOLID, SP-2(A-D)Comp	03/11/96	TPHGBS Purgeable TPH/BTEX
9603601 -03	SOLID, SP-3(A-D)Comp	03/11/96	Flash Point
9603601 -03	SOLID, SP-3(A-D)Comp	03/11/96	Lead: STLC Extraction
9603601 -03	SOLID, SP-3(A-D)Comp	03/11/96	pH
9603601 -03	SOLID, SP-3(A-D)Comp	03/11/96	S_REAC Reactivity
9603601 -03	SOLID, SP-3(A-D)Comp	03/11/96	TPHGBS Purgeable TPH/BTEX
9603601 -04	SOLID, SP-4(A-D)Comp	03/11/96	Flash Point
9603601 -04	SOLID, SP-4(A-D)Comp	03/11/96	Lead: STLC Extraction
9603601 -04	SOLID, SP-4(A-D)Comp	03/11/96	pH
9603601 -04	SOLID, SP-4(A-D)Comp	03/11/96	S_REAC Reactivity
9603601 -04	SOLID, SP-4(A-D)Comp	03/11/96	TPHGBS Purgeable TPH/BTEX
9603601 -05	SOLID, SP-5(A-D)Comp	03/11/96	Flash Point

**SEQUOIA ANALYTICAL**





# Sequoia Analytical

680 Chesapeake Drive  
404 N. Wiget Lane  
819 Striker Avenue, Suite 8

Redwood City, CA 94063  
Walnut Creek, CA 94598  
Sacramento, CA 95834

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(916) 921-9600

FAX (415) 364-9233  
FAX (510) 988-9673  
FAX (916) 921-0100

<u>SAMPLE #</u>	<u>SAMPLE DESCRIPTION</u>	<u>DATE COLLECTED</u>	<u>TEST METHOD</u>
9603601 -05	SOLID, SP-5(A-D)Comp	03/11/96	Lead: STLC Extraction
9603601 -05	SOLID, SP-5(A-D)Comp	03/11/96	pH
9603601 -05	SOLID, SP-5(A-D)Comp	03/11/96	S_REAC Reactivity
9603601 -05	SOLID, SP-5(A-D)Comp	03/11/96	TPHGBS Purgeable TPH/BTEX
9603601 -06	SOLID, SP-6(A-D)Comp	03/11/96	Flash Point
9603601 -06	SOLID, SP-6(A-D)Comp	03/11/96	Lead: STLC Extraction
9603601 -06	SOLID, SP-6(A-D)Comp	03/11/96	pH
9603601 -06	SOLID, SP-6(A-D)Comp	03/11/96	S_REAC Reactivity
9603601 -06	SOLID, SP-6(A-D)Comp	03/11/96	TPHGBS Purgeable TPH/BTEX
9603601 -07	SOLID, SP-7(A-D)Comp	03/11/96	Flash Point
9603601 -07	SOLID, SP-7(A-D)Comp	03/11/96	Lead: STLC Extraction
9603601 -07	SOLID, SP-7(A-D)Comp	03/11/96	pH
9603601 -07	SOLID, SP-7(A-D)Comp	03/11/96	S_REAC Reactivity
9603601 -07	SOLID, SP-7(A-D)Comp	03/11/96	TPHGBS Purgeable TPH/BTEX
9603601 -08	SOLID, SP-8(A-D)Comp	03/11/96	Flash Point
9603601 -08	SOLID, SP-8(A-D)Comp	03/11/96	Lead: STLC Extraction
9603601 -08	SOLID, SP-8(A-D)Comp	03/11/96	pH
9603601 -08	SOLID, SP-8(A-D)Comp	03/11/96	S_REAC Reactivity
9603601 -08	SOLID, SP-8(A-D)Comp	03/11/96	TPHGBS Purgeable TPH/BTEX
9603601 -09	SOLID, SP-9(A-D)Comp	03/11/96	Flash Point
9603601 -09	SOLID, SP-9(A-D)Comp	03/11/96	Lead: STLC Extraction
9603601 -09	SOLID, SP-9(A-D)Comp	03/11/96	pH
9603601 -09	SOLID, SP-9(A-D)Comp	03/11/96	S_REAC Reactivity
9603601 -09	SOLID, SP-9(A-D)Comp	03/11/96	TPHGBS Purgeable TPH/BTEX
9603601 -10	SOLID, SP-10(A-D)Comp	03/11/96	Flash Point

**SEQUOIA ANALYTICAL**





# Sequoia Analytical

680 Chesapeake Drive  
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(916) 921-9600

FAX (415) 364-9233  
FAX (510) 988-9673  
FAX (916) 921-0100

<u>SAMPLE #</u>	<u>SAMPLE DESCRIPTION</u>	<u>DATE COLLECTED</u>	<u>TEST METHOD</u>
9603601 -10	SOLID, SP-10(A-D)Comp	03/11/96	Lead: STLC Extraction
9603601 -10	SOLID, SP-10(A-D)Comp	03/11/96	pH
9603601 -10	SOLID, SP-10(A-D)Comp	03/11/96	S_REAC Reactivity
9603601 -10	SOLID, SP-10(A-D)Comp	03/11/96	TPHGBS Purgeable TPH/BTEX

Please contact me if you have any questions. In the meantime, thank you for the opportunity to work with you on this project.

Very truly yours,

**SEQUOIA ANALYTICAL**

Vytas Ankaitis  
Project Manager

Quality Assurance Department





Sequoia  
Analytical

680 Chesapeake Drive  
404 N. Wiget Lane  
819 Striker Avenue, Suite 8

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FAX (415) 364-9233  
FAX (510) 988-9673  
FAX (916) 921-0100

EMCON Associates  
1921 Ringwood Avenue  
San Jose, CA 95131  
Attention: John Young

Client Proj. ID: Arco 6002

Received: 03/11/96

Lab Proj. ID: 9603601

Reported: 03/14/96

## LABORATORY NARRATIVE

No Issues

SEQUOIA ANALYTICAL

Vytas Ankaltis  
Project Manager





EMCON Associates 1921 Ringwood Avenue San Jose, CA 95131	Client Proj. ID: Arco 6002  Lab Proj. ID: 9603601	Sampled: 03/11/96 Received: 03/11/96 Analyzed: see below  Reported: 03/14/96
Attention: John Young		

**LABORATORY ANALYSIS**

Analyte	Units	Date Analyzed	Detection Limit	Sample Results
Lab No: 9603601-01 Sample Desc: SOLID,SP-1(A-D)Comp				
Flash Point	Celsius	03/12/96	25	> 100
Lead: STLC Extraction	mg/L	03/14/96	0.20	0.29
pH	pH Units	03/12/96	N/A	8.1
Lab No: 9603601-02 Sample Desc: SOLID,SP-2(A-D)Comp				
Flash Point	Celsius	03/12/96	25	> 100
Lead: STLC Extraction	mg/L	03/14/96	0.20	0.45
pH	pH Units	03/12/96	N/A	8.4
Lab No: 9603601-03 Sample Desc: SOLID,SP-3(A-D)Comp				
Flash Point	Celsius	03/12/96	25	> 100
Lead: STLC Extraction	mg/L	03/14/96	0.20	0.39
pH	pH Units	03/12/96	N/A	7.2
Lab No: 9603601-04 Sample Desc: SOLID,SP-4(A-D)Comp				
Flash Point	Celsius	03/12/96	25	50
Lead: STLC Extraction	mg/L	03/14/96	0.20	0.37
pH	pH Units	03/12/96	N/A	7.6
Lab No: 9603601-05 Sample Desc: SOLID,SP-5(A-D)Comp				
Flash Point	Celsius	03/12/96	25	> 100
Lead: STLC Extraction	mg/L	03/14/96	0.20	0.38
pH	pH Units	03/12/96	N/A	7.5

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

**SEQUOIA ANALYTICAL** - ELAP #1210

Vytas Ankaitis  
Project Manager





EMCON Associates 1921 Ringwood Avenue San Jose, CA 95131	Client Proj. ID: Arco 6002  Lab Proj. ID: 9603601	Sampled: 03/11/96 Received: 03/11/96 Analyzed: see below  Reported: 03/14/96
Attention: John Young		

**LABORATORY ANALYSIS**

Analyte	Units	Date Analyzed	Detection Limit	Sample Results
Lab No: 9603601-06 Sample Desc : SOLID,SP-6(A-D)Comp				
Flash Point	Celsius	03/12/96	25	> 100
Lead: STLC Extraction	mg/L	03/14/96	0.20	0.25
pH	pH Units	03/12/96	N/A	7.4
Lab No: 9603601-07 Sample Desc : SOLID,SP-7(A-D)Comp				
Flash Point	Celsius	03/12/96	25	> 100
Lead: STLC Extraction	mg/L	03/14/96	0.20	0.47
pH	pH Units	03/12/96	N/A	8.7
Lab No: 9603601-08 Sample Desc : SOLID,SP-8(A-D)Comp				
Flash Point	Celsius	03/12/96	25	> 100
Lead: STLC Extraction	mg/L	03/14/96	0.20	1.1
pH	pH Units	03/12/96	N/A	7.8
Lab No: 9603601-09 Sample Desc : SOLID,SP-9(A-D)Comp				
Flash Point	Celsius	03/12/96	25	> 100
Lead: STLC Extraction	mg/L	03/14/96	0.20	0.37
pH	pH Units	03/12/96	N/A	7.0
Lab No: 9603601-10 Sample Desc : SOLID,SP-10(A-D)Comp				
Flash Point	Celsius	03/12/96	25	> 100
Lead: STLC Extraction	mg/L	03/14/96	0.20	0.68
pH	pH Units	03/12/96	N/A	8.0

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

**SEQUOIA ANALYTICAL** ELAP #1210

Vytas Ankaitis  
Project Manager







EMCON Associates 1921 Ringwood Avenue San Jose, CA 95131	Client Proj. ID: Arco 6002 Sample Descript: SP-1(A-D)Comp Matrix: SOLID Analysis Method: Comb Lab Number: 9603601-01	Sampled: 03/11/96 Received: 03/11/96 Analyzed: 03/12/96 Reported: 03/14/96
QC Batch Number: IN031296084600A		

**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

Vytas Ankaitis  
Project Manager





EMCON Associates Client Proj. ID: Arco 6002 Sampled: 03/11/96
1921 Ringwood Avenue Sample Descript: SP-1(A-D)Comp Received: 03/11/96
San Jose, CA 95131 Matrix: SOLID Extracted: 03/12/96
Attention: John Young Analysis Method: 8015Mod/8020 Analyzed: 03/12/96
Lab Number: 9603601-01 Reported: 03/14/96

QC Batch Number: GC031296BTEXEXA
Instrument ID: GCHP 1

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Table with columns: Analyte, Detection Limit mg/Kg, Sample Results mg/Kg. Rows include TPHH as Gas, Benzene, Toluene, Ethyl Benzene, Xylenes (Total), Chromatogram Pattern, Surrogates, and Trifluorotoluene.

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

SEQUOIA ANALYTICAL - ELAP #1210

Handwritten signature of Vytas Ankaitis

Vytas Ankaitis
Project Manager





EMCON Associates  
1921 Ringwood Avenue  
San Jose, CA 95131

Client Proj. ID: Arco 6002  
Sample Descript: SP-2(A-D)Comp  
Matrix: SOLID  
Analysis Method: 8015Mod/8020  
Lab Number: 9603601-02

Sampled: 03/11/96  
Received: 03/11/96  
Extracted: 03/12/96  
Analyzed: 03/12/96  
Reported: 03/14/96

QC Batch Number: GC031296BTEXEXA  
Instrument ID: GCHP 1

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	1.9
Benzene	0.0050	0.0051
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	0.023
Chromatogram Pattern: Weathered Gas		C6-C12
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	100

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

SEQUOIA ANALYTICAL - ELAP #1210

Vytas Ankaitis  
Project Manager





EMCON Associates 1921 Ringwood Avenue San Jose, CA 95131	Client Proj. ID: Arco 6002 Sample Descript: SP-2(A-D)Comp Matrix: SOLID Analysis Method: Comb Lab Number: 9603601-02	Sampled: 03/11/96 Received: 03/11/96 Analyzed: 03/12/96 Reported: 03/14/96
QC Batch Number: IN031296084600A		

**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

Vytas Ankaitis  
Project Manager





EMCON Associates 1921 Ringwood Avenue San Jose, CA 95131	Client Proj. ID: Arco 6002 Sample Descript: SP-3(A-D)Comp Matrix: SOLID Analysis Method: Comb Lab Number: 9603601-03	Sampled: 03/11/96 Received: 03/11/96 Analyzed: 03/12/96 Reported: 03/14/96
--	--	---

QC Batch Number: IN031296084600A

**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

Vytas Ankaitis  
Project Manager





EMCON Associates 1921 Ringwood Avenue San Jose, CA 95131	Client Proj. ID: Arco 6002 Sample Descript: SP-3(A-D)Comp Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9603601-03	Sampled: 03/11/96 Received: 03/11/96 Extracted: 03/12/96 Analyzed: 03/12/96 Reported: 03/14/96
--	--	--

QC Batch Number: GC031296BTEXEXA  
Instrument ID: GCHP22

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX**

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	100	750
Benzene	0.50	3.9
Toluene	0.50	12
Ethyl Benzene	0.50	5.7
Xylenes (Total)	0.50	41
Chromatogram Pattern:		Gas
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	122

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

SEQUOIA ANALYTICAL - ELAP #1210

Vytas Ankaitis  
Project Manager





EMCON Associates 1921 Ringwood Avenue San Jose, CA 95131 Attention: John Young	Client Proj. ID: Arco 6002 Sample Descript: SP-4(A-D)Comp Matrix: SOLID Analysis Method: Comb Lab Number: 9603601-04	Sampled: 03/11/96 Received: 03/11/96 Analyzed: 03/12/96 Reported: 03/14/96
---	--	---

QC Batch Number: IN031296084600A

**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

Vytas Ankaitis  
Project Manager





EMCON Associates  
1921 Ringwood Avenue  
San Jose, CA 95131

Client Proj. ID: Arco 6002  
Sample Descript: SP-4(A-D)Comp  
Matrix: SOLID  
Analysis Method: 8015Mod/8020  
Lab Number: 9603601-04

Sampled: 03/11/96  
Received: 03/11/96  
Extracted: 03/12/96  
Analyzed: 03/12/96  
Reported: 03/14/96

QC Batch Number: GC031296BTEXEXA  
Instrument ID: GCHP22

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX**

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	200	2100
Benzene	1.0	8.5
Toluene	1.0	74
Ethyl Benzene	1.0	33
Xylenes (Total)	1.0	200
Chromatogram Pattern:		Gas
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	129

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

**SEQUOIA ANALYTICAL** ELAP #1210

Vytas Ankaitis  
Project Manager







EMCON Associates  
1921 Ringwood Avenue  
San Jose, CA 95131

Client Proj. ID: Arco 6002  
Sample Descript: SP-5(A-D)Comp  
Matrix: SOLID  
Analysis Method: Comb  
Lab Number: 9603601-05

Sampled: 03/11/96  
Received: 03/11/96  
Analyzed: 03/12/96  
Reported: 03/14/96

Attention: John Young

QC Batch Number: IN031296084600A

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

Vytas Ankaitis  
Project Manager





EMCON Associates 1921 Ringwood Avenue San Jose, CA 95131	Client Proj. ID: Arco 6002 Sample Descript: SP-5(A-D)Comp Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9603601-05	Sampled: 03/11/96 Received: 03/11/96 Extracted: 03/12/96 Analyzed: 03/12/96 Reported: 03/14/96
--	--	--

QC Batch Number: GC031296BTEXEXA  
Instrument ID: GCHP22

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX**

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	500	790
Benzene	2.5	N.D.
Toluene	2.5	5.5
Ethyl Benzene	2.5	5.2
Xylenes (Total)	2.5	40
Chromatogram Pattern: Weathered Gas		C6-C12
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	116

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

**SEQUOIA ANALYTICAL** - ELAP #1210

Vytas Ankaitis  
Project Manager





EMCON Associates  
1921 Ringwood Avenue  
San Jose, CA 95131

Client Proj. ID: Arco 6002  
Sample Descript: SP-6(A-D)Comp  
Matrix: SOLID  
Analysis Method: Comb  
Lab Number: 9603601-06

Sampled: 03/11/96  
Received: 03/11/96  
Analyzed: 03/12/96  
Reported: 03/14/96

Attention: John Young

QC Batch Number: IN031296084600A

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

Vytas Ankaitis  
Project Manager





EMCON Associates 1921 Ringwood Avenue San Jose, CA 95131	Client Proj. ID: Arco 6002 Sample Descript: SP-6(A-D)Comp Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9603601-06	Sampled: 03/11/96 Received: 03/11/96 Extracted: 03/12/96 Analyzed: 03/12/96 Reported: 03/14/96
--	--	--

QC Batch Number: GC031296BTEXEXA  
Instrument ID: GCHP 22

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX**

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	25	38
Benzene	0.12	0.41
Toluene	0.12	0.17
Ethyl Benzene	0.12	0.16
Xylenes (Total)	0.12	1.9
Chromatogram Pattern:		GAS

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	109

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

SEQUOIA ANALYTICAL - ELAP #1210

Vytas Ankalitis  
Project Manager





EMCON Associates 1921 Ringwood Avenue San Jose, CA 95131	Client Proj. ID: Arco 6002 Sample Descript: SP-7(A-D)Comp Matrix: SOLID Analysis Method: Comb Lab Number: 9603601-07	Sampled: 03/11/96 Received: 03/11/96 Analyzed: 03/12/96 Reported: 03/14/96
--	--	---

QC Batch Number: IN031296084600A

**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

Vytas Ankaitis  
Project Manager





EMCON Associates  
1921 Ringwood Avenue  
San Jose, CA 95131

Client Proj. ID: Arco 6002  
Sample Descript: SP-7(A-D)Comp  
Matrix: SOLID  
Analysis Method: 8015Mod/8020  
Lab Number: 9603601-07

Sampled: 03/11/96  
Received: 03/11/96  
Extracted: 03/12/96  
Analyzed: 03/12/96  
Reported: 03/14/96

QC Batch Number: GC031296BTEXEXA  
Instrument ID: GCHP 22

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX**

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	50	280
Benzene	0.25	0.28
Toluene	0.25	N.D.
Ethyl Benzene	0.25	N.D.
Xylenes (Total)	0.25	13
Chromatogram Pattern: Weathered Gas		C8-C12
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	113

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

SEQUOIA ANALYTICAL ELAP #1210

Vytas Ankaitis  
Project Manager





EMCON Associates 1921 Ringwood Avenue San Jose, CA 95131	Client Proj. ID: Arco 6002 Sample Descript: SP-8(A-D)Comp Matrix: SOLID Analysis Method: Comb Lab Number: 9603601-08	Sampled: 03/11/96 Received: 03/11/96 Analyzed: 03/12/96 Reported: 03/14/96
--	--	---

QC Batch Number: IN031296084600A

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

Vytas Ankaitis  
Project Manager





EMCON Associates  
1921 Ringwood Avenue  
San Jose, CA 95131

Client Proj. ID: Arco 6002  
Sample Descript: SP-8(A-D)Comp  
Matrix: SOLID  
Analysis Method: 8015Mod/8020  
Lab Number: 9603601-08

Sampled: 03/11/96  
Received: 03/11/96  
Extracted: 03/12/96  
Analyzed: 03/12/96  
Reported: 03/14/96

Attention: John Young

QC Batch Number: GC031296BTEXEXA  
Instrument ID: GCHP 22

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX**

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	100	400
Benzene	0.50	0.86
Toluene	0.50	N.D.
Ethyl Benzene	0.50	0.71
Xylenes (Total)	0.50	15
Chromatogram Pattern: Weathered Gas		C8-C12
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	115

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

**SEQUOIA ANALYTICAL** ELAP #1210

Vytas Ankaitis  
Project Manager







EMCON Associates 1921 Ringwood Avenue San Jose, CA 95131	Client Proj. ID: Arco 6002 Sample Descript: SP-9(A-D)Comp Matrix: SOLID Analysis Method: Comb Lab Number: 9603601-09	Sampled: 03/11/96 Received: 03/11/96 Analyzed: 03/12/96 Reported: 03/14/96
--	--	---

QC Batch Number: IN031296084600A

**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

Vytas Ankaitis  
Project Manager





EMCON Associates 1921 Ringwood Avenue San Jose, CA 95131	Client Proj. ID: Arco 6002 Sample Descript: SP-9(A-D)Comp Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9603601-09	Sampled: 03/11/96 Received: 03/11/96 Extracted: 03/12/96 Analyzed: 03/12/96 Reported: 03/14/96
--	--	--

QC Batch Number: GC031296BTEXEXA  
Instrument ID: GCHP 18

### Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	100	410
Benzene	0.50	N.D.
Toluene	0.50	8.4
Ethyl Benzene	0.50	4.7
Xylenes (Total)	0.50	38
Chromatogram Pattern:		GAS
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	103

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

SEQUOIA ANALYTICAL ELAP #1210

Vytas Ankaitis  
Project Manager





EMCON Associates  
1921 Ringwood Avenue  
San Jose, CA 95131

Client Proj. ID: Arco 6002  
Sample Descript: SP-10(A-D)Comp  
Matrix: SOLID  
Analysis Method: Comb  
Lab Number: 9603601-10

Sampled: 03/11/96  
Received: 03/11/96  
Analyzed: 03/12/96  
Reported: 03/14/96

Attention: John Young

QC Batch Number: IN031296084600A

**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

Vytas Ankaitis  
Project Manager





EMCON Associates 1921 Ringwood Avenue San Jose, CA 95131	Client Proj. ID: Arco 6002 Sample Descript: SP-10(A-D)Comp Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9603601-10	Sampled: 03/11/96 Received: 03/11/96 Extracted: 03/12/96 Analyzed: 03/12/96 Reported: 03/14/96
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QC Batch Number: GC031296BTEXEXA  
 Instrument ID: GCHP 18

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX**

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	100	330
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	14
Chromatogram Pattern: Weathered Gas		C8-C12
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	96

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

**SEQUOIA ANALYTICAL** ELAP #1210

Vytas Ankaitis  
Project Manager





# Sequoia Analytical

680 Chesapeake Drive  
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FAX (510) 988-9673  
FAX (916) 921-0100

Emcon Associates  
1921 Ringwood Avenue  
San Jose, CA 95131  
Attention: John Young

Client Project ID: Arco 6002  
Matrix: Liquid

Work Order #: 9603601 -01-10

Reported: Mar 14, 1996

## QUALITY CONTROL DATA REPORT

Analyte:	Beryllium	Cadmium	Chromium	Nickel
QC Batch#:	ME0313966010MDC	ME0313966010MDC	ME0313966010MDC	ME0313966010MDC
Analy. Method:	EPA 6010	EPA 6010	EPA 6010	EPA 6010
Prep. Method:	EPA 3010	EPA 3010	EPA 3010	EPA 3010

Analyst:	C. Medefesser	C. Medefesser	C. Medefesser	C. Medefesser
MS/MSD #:	960363101	960363101	960363101	960363101
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	3/13/96	3/13/96	3/13/96	3/13/96
Analyzed Date:	3/14/96	3/14/96	3/14/96	3/14/96
Instrument I.D.#:	MTJA2	MTJA2	MTJA2	MTJA2
Conc. Spiked:	1.0 mg/L	1.0 mg/L	1.0 mg/L	1.0 mg/L
Result:	1.0	1.0	0.98	0.97
MS % Recovery:	100	100	98	97
Dup. Result:	1.0	1.0	0.98	0.99
MSD % Recov.:	100	100	98	99
RPD:	0.0	0.0	0.0	2.0
RPD Limit:	0-30	0-30	0-30	0-30

LCS #:	BLK031396	BLK031396	BLK031396	BLK031396
Prepared Date:	3/13/96	3/13/96	3/13/96	3/13/96
Analyzed Date:	3/14/96	3/14/96	3/14/96	3/14/96
Instrument I.D.#:	MTJA2	MTJA2	MTJA2	MTJA2
Conc. Spiked:	1.0 mg/L	1.0 mg/L	1.0 mg/L	1.0 mg/L
LCS Result:	1.0	1.1	1.0	1.0
LCS % Recov.:	100	110	100	100

MS/MSD	75-125	75-125	75-125	75-125
LCS				
Control Limits				

**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.

SEQUOIA ANALYTICAL

*[Signature]*  
Vytautas Ankaitis  
Project Manager

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

9603601.EEE <1>



# Sequoia Analytical

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FAX (916) 921-0100

Emcon Associates  
1921 Ringwood Avenue  
San Jose, CA 95131  
Attention: John Young

Client Project ID: Arco 6002  
Matrix: Solid  
Work Order #: 9603601-01-10

Reported: Mar 14, 1996

## QUALITY CONTROL DATA REPORT

<b>Analyte:</b>	pH	Flashpoint
<b>QC Batch:</b>	IN031296904500A	IN0312961010DOA
<b>Analy. Method:</b>	EPA 9045	EPA 1010
<b>Prep Method:</b>	N/A	N/A

**Analyst:** S. Chin J. Barg

**Duplicate Sample #:** 960360101 960360104

**Prepared Date:** 3/12/96 3/12/96  
**Analyzed Date:** 3/12/96 3/12/96  
**Instrument I.D.#:** Manual Manual

**Sample Concentration:** 8.1 50°

**Dup. Sample Concentration:** 8.2 57°

**RPD:** 1.2 13  
**RPD Limit:** 0-30 0-30

SEQUOIA ANALYTICAL

Vytas Ankaitis  
Project Manager

\*\* RPD = Relative % Difference

9603601.EEE <2>



# Sequoia Analytical

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Emcon Associates  
1921 Ringwood Avenue  
San Jose, CA 95131  
Attention: John Young

Client Project ID: Arco 6002  
Matrix: Solid

Work Order #: 9603601-01-10

Reported: Mar 14, 1996

## QUALITY CONTROL DATA REPORT

Analyte:	Reactive Cyanide	Reactive Sulfide
QC Batch#:	IN031296084600A	IN031296084600A
Analy. Method:	SW-846	SW-846
Prep. Method:	N/A	N/A

Analyst:	A. Pina	J. Barg
MS/MSD #:	-	-
Sample Conc.:	-	-
Prepared Date:	-	-
Analyzed Date:	-	-
Instrument I.D.#:	-	-
Conc. Spiked:	-	-
Result:	-	-
MS % Recovery:	-	-
Dup. Result:	-	-
MSD % Recov.:	-	-
RPD:	-	-
RPD Limit:	-	-

LCS #:	LCS031296	LCS031296
Prepared Date:	3/12/96	3/12/96
Analyzed Date:	3/12/96	3/12/96
Instrument I.D.#:	Manual	Manual
Conc. Spiked:	0.20 mg/L	10 mg/L
LCS Result:	0.046	9.3
LCS % Recov.:	23	93

MS/MSD		
LCS	6.5-40	80-120
Control Limits		

**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.

SEQUOIA ANALYTICAL

*[Signature]*  
Vytautas Ankaitis  
Project Manager

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

9603601.EEE <3>



# Sequoia Analytical

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Emcon Associates  
1921 Ringwood Avenue  
San Jose, CA 95131  
Attention: John Young

Client Project ID: Arco 6002  
Matrix: Solid

Work Order #: 9603601-01-10

Reported: Mar 14, 1996

## QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC031296BTEXEXA	GC031296BTEXEXA	GC031296BTEXEXA	GC031296BTEXEXA
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	D. Jirsa	D. Jirsa	D. Jirsa	D. Jirsa
MS/MSD #:	960358101	960358101	960358101	960358101
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	3/12/96	3/12/96	3/12/96	3/12/96
Analyzed Date:	3/12/96	3/12/96	3/12/96	3/12/96
Instrument I.D.#:	GCHP1	GCHP1	GCHP1	GCHP1
Conc. Spiked:	0.20 mg/Kg	0.20 mg/Kg	0.20 mg/Kg	0.60 mg/Kg
Result:	0.15	0.15	0.16	0.47
MS % Recovery:	75	75	80	78
Dup. Result:	0.13	0.14	0.14	0.41
MSD % Recov.:	65	70	70	68
RPD:	14	6.9	13	14
RPD Limit:	0-50	0-50	0-50	0-50

LCS #:	BLK031296	BLK031296	BLK031296	BLK031296
Prepared Date:	3/12/96	3/12/96	3/12/96	3/12/96
Analyzed Date:	3/12/96	3/12/96	3/12/96	3/12/96
Instrument I.D.#:	GCHP1	GCHP1	GCHP1	GCHP1
Conc. Spiked:	0.20 mg/Kg	0.20 mg/Kg	0.20 mg/Kg	0.60 mg/Kg
LCS Result:	0.18	0.18	0.18	0.56
LCS % Recov.:	90	90	90	93

MS/MSD LCS Control Limits	50-150	50-150	50-150	50-150
---------------------------------	--------	--------	--------	--------

**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.

SEQUOIA ANALYTICAL

*[Signature]*  
Vytas Ankaitis  
Project Manager

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

9603601.EEE <4>



**ARCO Products Company** 

Division of AtlanticRichfieldCompany

Task Order No. 11461.00

Chain of Custody

ARCO Facility no. <u>0002</u>	City (Facility) <u>Oakland</u>	Project manager (Consultant) <u>John Young</u>	
ARCO engineer <u>Mike Whelan</u>	Telephone no. (ARCO) <u>(408) 453-1640</u>	Telephone no. (Consultant) <u>(408) 453-7300</u>	Fax no. (Consultant) <u>(408) 437-9526</u>
Consultant name <u>EMCON</u>		Address (Consultant) <u>1921 Ringwood Ave. San Jose, CA</u>	

Laboratory name Sequoia

Contract number

Sample I.D.	Lab no.	Container no.	Matrix			Preservation		Sampling date	Sampling time	BTEX 602/EPA 9020	BTEX/TPH EPA 1862/9020/8015	TPH Modified 8015 Gas <input type="checkbox"/> Diesel <input type="checkbox"/>	Oil and Grease 413.1 <input type="checkbox"/> 413.2 <input type="checkbox"/>	TPH EPA 418.1/SM503E	EPA 801/8010	EPA 824/8240	EPA 825/8270	TCLP Metals <input type="checkbox"/> VOA <input type="checkbox"/> VOA <input type="checkbox"/>	Semi Metals <input type="checkbox"/> VOA <input type="checkbox"/> VOA <input type="checkbox"/>	CAM Metals EPA 801/0700 TTL <input type="checkbox"/> STL <input type="checkbox"/> STL <input type="checkbox"/>	Lead Org./DHS <input type="checkbox"/> Lead EPA <input type="checkbox"/> 7420/7421 <input type="checkbox"/>	RCI	Lead STLC		
			Soil	Water	Other	Ice	Acid																		
SP-1A		1	/					3/11/96		/															
-1B																									
-1C																									
-1D																									
SP-2A																									
-2B																									
-2C																									
-2D																									
SP-3A																									
-3B																									
-3C																									
-3D																									
SP-4A																									
-4B																									
-4C																									
-4D																									

Method of shipment

Special detection Limit/reporting 9603601

Special QA/QC

Remarks  
EMCON Project  
#0805-B1.006  
Composite Each  
A, B, C, D  
4:1

Lab number

Turnaround time  
Priority Rush 1 Business Day   
Rush 2 Business Days   
Expedited 5 Business Days   
Standard 10 Business Days

Condition of sample:				Temperature received:			
Relinquished by sampler <u>Robert R. Davis</u>		Date <u>3/11/96</u>	Time <u>6:55</u>	Received by			
Relinquished by		Date	Time	Received by			
Relinquished by		Date	Time	Received by <u>James Phillips</u>	Date <u>3/11/96</u>	Time <u>18:55</u>	

**ARCO Products Company**

Division of AtlanticRichfieldCompany

Task Order No. 11461.00

Chain of Custody

ARCO Facility no. <u>6002</u>	City (Facility) <u>Oakland</u>	Project manager (Consultant) <u>John Young</u>	Laboratory name <u>Sequoia</u>
ARCO engineer <u>Mike Whelan</u>	Telephone no. (ARCO) <u>(408) 453-1640</u>	Telephone no. (Consultant) <u>(408) 453-7300</u>	Contract number
Consultant name <u>EMCON</u>	Address (Consultant) <u>1921 Ringwood Ave. San Jose, CA</u>		Fax no. (Consultant) <u>(408) 437-9526</u>

Sample I.D.	Lab no.	Container no.	Matrix			Preservation		Sampling date	Sampling time	BTEX 602/EPA 6020	BTEX/TPH EPA 1602/8020/8015	TPH Modified 8015 Gas <input type="checkbox"/> Diesel <input type="checkbox"/>	Oil and Grease 413.1 <input type="checkbox"/> 413.2 <input type="checkbox"/>	TPH EPA 418.1/SM-503E	EPA 801/8010	EPA 824/8240	EPA 825/8270	TCMP Metals <input type="checkbox"/> VOA <input type="checkbox"/> VOA <input type="checkbox"/>	Semi Metals <input type="checkbox"/> VOA <input type="checkbox"/> VOA <input type="checkbox"/>	CAM Metals EPA 801/7000 TTLC <input type="checkbox"/> STLC <input type="checkbox"/>	Lead Org./DHS <input type="checkbox"/> Lead EPA 7420/7421 <input type="checkbox"/>	RCI	Lead STLC		
			Soil	Water	Other	Ice	Acid																		
SP-5A								3/11/96																	
-5B																									
-5C																									
-5D																									
SP-6A																									
-6B																									
-6C																									
-6D																									
SP-7A																									
-7B																									
-7C																									
-7D																									
SP-8A																									
-8B																									
-8C																									
-8D																									

Method of shipment

Special detection Limit/reporting  
98836001

Special QA/QC

Remarks  
EMCON Project #  
8805-131.006  
Composite Each  
A, B, C, D  
421

Lab number

Turnaround time

Priority Rush 1 Business Day

Rush 2 Business Days

Expedited 5 Business Days

Standard 10 Business Days

Condition of sample:			Temperature received:		
Relinquished by sampler <u>Robert H. Davis</u>	Date <u>3/11/96</u>	Time <u>6:55</u>	Received by		
Relinquished by	Date	Time	Received by		
Relinquished by	Date	Time	Received by laboratory <u>[Signature]</u>	Date <u>3/11/96</u>	Time <u>18:55</u>

**ARCO Products Company**  
Division of AtlanticRichfieldCompany

Task Order No. 14461.00

Chain of Custody

ARCO Facility no. 600Z City (Facility) Oakland

Project manager (Consultant) John Young  
Telephone no. (ARCO) (408) 453-1640 Telephone no. (Consultant) (408) 453-7300 Fax no. (Consultant) (408) 437-7526

ARCO engineer Mike Whelan

Telephone no. (ARCO) (408) 453-1640

Telephone no. (Consultant) (408) 453-7300

Fax no. (Consultant) (408) 437-7526

Consultant name EMCON

Address (Consultant) 1921 Ringwood Ave. San Jose, CA

Laboratory name Sequoia

Contract number

Sample I.D.	Lab no.	Container no.	Matrix			Preservation		Sampling date	Sampling time	BTEX EPA 802/EPA 8020	BTEX/TPH EPA 1402/8020/8015	TPH Modified 8015 Gas <input type="checkbox"/> Diesel <input type="checkbox"/>	Oil and Grease 413.1 <input type="checkbox"/> 413.2 <input type="checkbox"/>	TPH EPA 418.1/SM450SE	EPA 801/8010	EPA 824/8240	EPA 825/8270	TCLP Metals <input type="checkbox"/> VOC <input type="checkbox"/> VOA <input type="checkbox"/>	Semi Metals <input type="checkbox"/> VOC <input type="checkbox"/> VOA <input type="checkbox"/>	CERCLA Metals EPA 801/0700 TTLC <input type="checkbox"/> STLC <input type="checkbox"/>	Lead Org/DHS <input type="checkbox"/> Lead EPA <input type="checkbox"/> 7420/7421 <input type="checkbox"/>	PCT Lead STLC	Method of shipment		
			Soil	Water	Other	Ice	Acid																		
SP-9A			↓			↓		3/11/96		↓															
-9B			↓			↓				↓															
-9C			↓			↓				↓															
↓-9D			↓			↓				↓															
SP-10A			↓			↓				↓															
-10B			↓			↓				↓															
-10C			↓			↓				↓															
↓-10D			↓			↓				↓															

Method of shipment

Special detection Limit/reporting

9803601

Special QA/QC

Remarks

EMCON Project #  
0805-131.006.  
Composite Each  
A, B, C, D  
4:1

Lab number

Turnaround time

Priority Rush   
1 Business Day

Rush   
2 Business Days

Expedited   
5 Business Days

Standard   
10 Business Days

Condition of sample:

Relinquished by sampler Robert W. Davis Date 3/11/96 Time 6:55

Relinquished by \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

Relinquished by \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

Temperature received:

Received by \_\_\_\_\_

Received by \_\_\_\_\_

Received by laboratory Smith/Bliss Date 3/11/96 Time 18:55

**ATTACHMENT D**  
**SOIL AND WATER MANIFESTS**



# 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. 592481

**GENERATOR**

a. Generator Name: ARCO Products Company b. Generating Location: ARCO Station - 0000

c. Address: POR 612530 d. Address: 6225 Samirany Ave  
San Jose CA 95161 Sakland, CA

e. Phone No.: (408) 459-1409 f. Phone No.: None

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

g. Owner's Name: ARCO Products Company h. Owner's Phone No.: None

i. BFI WASTE CODE: 

CA	4	0	5	0	3	2	2	9	6
----	---	---	---	---	---	---	---	---	---

0	0	6	X
---	---	---	---

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

j. Description of Waste: Non Hazardous Soil (TPH) k. Quantity: 

0	0	0	/	8
---	---	---	---	---

 Units: 

Y
---

 No.: 

0	1
---	---

 TYPE: 

T
---

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

Jessica Drake at the Request of ARCO Products  
Generator Authorized Agent Name / Signature 592596 Shipment Date

**TRANSPORTER I** (General complete) / **TRANSPORTER II** (Complete if Transporter I complete)

a. Name: Dillard Trucking, Inc h. Name: \_\_\_\_\_

b. Address: P.O. Box 218 i. Address: \_\_\_\_\_  
Byron, CA 94514

c. Driver Name/Title: Edward A. Rouen j. Driver Name/Title: \_\_\_\_\_  
PRINT/TYPE

d. Phone No.: (510) 634-6850 e. Truck No.: 071 k. Phone No.: \_\_\_\_\_ PRINT/TYPE I. Truck No.: \_\_\_\_\_

f. Vehicle License No./State: SP2B16B m. Vehicle License No./State: \_\_\_\_\_

Acknowledgement of Receipt of Materials. n. Acknowledgement of Receipt of Materials.

Edward A. Rouen 090396 Shipment Date  
Driver Signature / Shipment Date

**DESTINATION**

a. Site Name: BFI Vasco Rd. Landfill c. Phone No.: (510) 417-0401

b. Physical Address: 4001 North Vasco Road d. Mailing Address: 4001 North Vasco Road  
Livermore CA 94550 Livermore CA 94550

e. Discrepancy Indication Space: \_\_\_\_\_

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

f. Name of Authorized Agent: \_\_\_\_\_ Signature: [Signature] 0106396 Receipt Date  
208# 1006-58  
PO# 00-20601

**ASBESTOS** (Operator complete a-j)

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

f. Name and Address: \_\_\_\_\_ Operator's\* Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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.

TRANSPORTER RETAIN

# DILLARD ENVIRONMENTAL SERVICES

A Division of Dillard Trucking, Inc.

P.O. Box 218

Byron, CA 94514

Tel# (510) 634-6850 Fax# (510) 634-0569

---

April 9, 1996

Emcon

Attn: Rob Davis

Re: ARCO Station 06002 - 6235 Seminary Ave., Oakland, CA  
Removed: 475.08 tons

Dear Mr. Davis:

Please be advised that the stockpile from the above referenced site was removed and transported for disposal to BFI/Vasco in Livermore, CA on the following days:

March 25, 1996 - 322.38 T

April 3, 1996 - 152.7 T

Should you have any questions, please do not hesitate to call.

Sincerely,

DILLARD ENVIRONMENTAL SERVICES,  
A Division of Dillard Trucking, Inc.

  
Jessica Drake  
Project Manager

JDD/rc

cc: file

# DILLARD ENVIRONMENTAL SERVICES

A Division of Dillard Trucking, Inc.

P.O. Box 218

Byron, CA 94514

Tel# (510) 634-6850 Fax# (510) 634-0569

---

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Sincerely,

DILLARD ENVIRONMENTAL SERVICES,  
A Division of Dillard Trucking, Inc.

  
Jessica Drake  
Project Manager

JDD/rc

cc: file

# Invoice



**Integrated  
Wastestream  
Management, Inc.**

950 Ames Ave.  
Milpitas, CA 95035  
(408) 942-8955  
Fax (408) 942-1499  
Fed Tx ID #77-0309226

DATE	INVOICE #
3/21/96	12427

**BILL TO:**

Balch Petroleum Inc.  
Attn: Bill Balch  
930 Ames Ave.  
Milpitas, CA 95035

PO. NUMBER	TERMS	PROJECT
VERBAL	Net 30	

QUANTITY	DESCRIPTION	RATE	AMOUNT
	ARCO - #6002 6235 Seminary Avenue Oakland, CA		
13	Job #60167-BW, 3/21/96 Hrs Tanker/Operator		
11,500	Gallons of water disposed at Seaport Environmental Transport # AR-01 (3,500 gal) Transport # AR-02 (4,000 gal) Transport # AR-03 (4,000 gal)		

Thank you for your business.

**TOTAL**





# Invoice



**Integrated  
Wastestream  
Management, Inc.**

950 Ames Ave.  
Milpitas, CA 95035  
(408) 942-8955  
Fax (408) 942-1499  
Fed Tx ID #77-0309226

DATE	INVOICE #
3/21/96	12427

**BILL TO:**

Balch Petroleum Inc.  
Attn: Bill Balch  
930 Ames Ave.  
Milpitas, CA 95035

P.O. NUMBER	TERMS	PROJECT
VERBAL	Net 30	

QUANTITY	DESCRIPTION	RATE	AMOUNT
	ARCO - #6002 6235 Seminary Avenue Oakland, CA		
13	Job #60167-BW, 3/21/96 Hrs Tanker/Operator		
11,500	Gallons of water disposed at Seaport Environmental Transport # AR-01 (3,500 gal) Transport # AR-02 (4,000 gal) Transport # AR-03 (4,000 gal)		

Thank you for your business.

**TOTAL**





# NON-HAZARDOUS SPECIAL

*Duco # Leona*

# STOS MANIFEST

No. 592471

If waste is asbestos waste, comp  
If waste is NOT asbestos waste,

a. Generator Name: ARCO Products Company b. Generating Location: ARCO Station # 2002  
c. Address: POB 612530 d. Address: 6295 San Joaquin Ave  
San Jose, CA 95161 Oakland, CA

e. Phone No.: (408) 453-1488 f. Phone No.: None

If owner of the generating facility differs from the generator, provide:  
g. Owner's Name: ARCO Products Company h. Owner's Phone No.: Same as (f)

i. BFI WASTE CODE: 

C	A	4	0	5	0	3	2	2	9	6
---	---	---	---	---	---	---	---	---	---	---

0	4	0	6	X
---	---	---	---	---

 Containers

j. Description of Waste: Non Hazardous Soil (TPB<sub>2</sub>) k. Quantity: 

0	0	0	1	8
---	---	---	---	---

 Units: 

Y
---

 No.: 

0	1
---	---

 TYPE: 

T
---

- TYPE  
DM - METAL DRUM  
DP - PLASTIC DRUM  
B - BAG  
BA - 6 MIL. PLASTIC BA  
or WRAP  
T - TRUCK  
O - OTHER
- UNITS  
P - POUNDS  
Y - YARDS  
M<sup>3</sup> - CUBIC METERS  
Y<sup>3</sup> - 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.

Jessica Drake at the Request of ARCO Products  
Generator/Authorized Agent Name Signature 032596 Shipment Date

## TRANSPORTER I

a. Name: Dillard Trucking, Inc.  
b. Address: P.O. Box 218  
Byron, CA 94514  
c. Driver Name/Title: James Williams  
d. Phone No.: (510) 634-6850 e. Truck No.: 391/360  
f. Vehicle License No./State: SP28171/1V05798 CA.  
g. Acknowledgement of Receipt of Materials:  
J. Williams

0	3	2	5	9	6
---	---	---	---	---	---

 Driver Signature Shipment Date

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

## DEPOSITORY

a. Site Name: BFI Vasco Rd. Landfill c. Phone No.: (510) 447-0401  
b. Physical Address: 4001 North Vasco Road d. Mailing Address: 4001 North Vasco Road  
Livermore, CA 94550 Livermore, CA 94550

e. Discrepancy Indication Space: \_\_\_\_\_  
I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

J. Williams

0	3	2	5	9	6
---	---	---	---	---	---

 Name of Authorized Agent Signature Receipt Date  
JOB# 1006-58  
PO# 09-2000

## ASBESTOS (Generator, Operator, or Demolisher)

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, packaged, 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: \_\_\_\_\_  
f. Name and Address of Responsible Agency: \_\_\_\_\_  
Operator's Signature \_\_\_\_\_ Date \_\_\_\_\_

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.

TRANSPORTER RETAIN

# VASCO ROAD SANITARY LANDFILL No: 808462

A DIVISION OF



BROWNING-FERRIS INDUSTRIES

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

Date : 03-25-96 Time In: 09:44:49 Time Out: 09:44:49  
Ticket # : 000240 CMS # : 1006261 LMS # : 0000261  
Customer : DILLARD TRUCKING/ARCO  
Vehicle # : 000391 Lic Plate:

SPECIAL  
Manifest # : 592471 PD # : STA 6002 Transporter:  
Source Cd : Generator : RCO DILLARD ARCO  
Comment : Operator: NOEL  
Capacity : 10.00 yd Scale In # : 1 Scale Out #: Stored  
Gross Wt : 43.02 Tare Wt: 15.61 Net Wt: 27.41 tn

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.

descr	Actual	Bill Qty	1/Unit	Extended
SOIL	20.00	27.41 TN		

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.

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

DRIVER

*J. Williams*

DRIVER



# 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. 592478

**Section I: GENERATOR**

a. Generator Name: ARCO Products Company b. Generating Location: ARCO Station # 6002  
 c. Address: POB 612530 d. Address: 6205 Seminary Ave.  
San Jose, CA 95161 Oakland, CA  
 e. Phone No.: (408) 453-1498 f. Phone No.: None

If owner of the generating facility differs from the generator, provide:  
 g. Owner's Name: ARCO Products Company h. Owner's Phone No.: Same as (f)

i. BFI WASTE CODE: 

CA	4	0	5	0	3	2	2	9	6
----	---	---	---	---	---	---	---	---	---

0	4	0	6	1	X
---	---	---	---	---	---

 Containers: \_\_\_\_\_  
 j. Description of Waste: Non Hazardous Soil (TPRG) k. Quantity: 

0	0	0	1	8
---	---	---	---	---

 Units: 

Y
---

 No.: 

0	1
---	---

 TYPE: 

T
---

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

Jessica Orave Generator Authorized Agent Name Signature 

0	3	2	5	9	5
---	---	---	---	---	---

 Shipment Date

## Section II: TRANSPORTER

**TRANSPORTER I**

a. Name: Dillard Trucking, Inc. h. Name: \_\_\_\_\_  
 b. Address: P.O. Box 218 i. Address: \_\_\_\_\_  
Byron, CA 94514  
 c. Driver Name/Title: James Williams j. Driver Name/Title: \_\_\_\_\_  
 d. Phone No.: (510) 634-6850 k. Phone No.: \_\_\_\_\_  
 e. Truck No.: 391/360 l. Truck No.: \_\_\_\_\_  
 f. Vehicle License No./State: SP2E171/1V05798 CA. m. Vehicle License No./State: \_\_\_\_\_  
 Acknowledgement of Receipt of Materials. n. Acknowledgement of Receipt of Materials.

g. Driver Signature: J. Williams

0	3	2	5	9	5
---	---	---	---	---	---

 Shipment Date  
 o. Driver Signature: \_\_\_\_\_ 

--	--	--	--	--	--

 Shipment Date

## Section III: DESTINATION

a. Site Name: BFI Vasco Rd. Landfill c. Phone No.: (510) 447-0491  
 b. Physical Address: 4001 North Vasco Road d. Mailing Address: 4001 North Vasco Road  
Livermore, CA 94550 Livermore, CA 94550

a. 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.

Jessica Orave Name of Authorized Agent Signature 

0	3	2	5	9	5
---	---	---	---	---	---

 Receipt Date  
 JOB# 1008/58  
 PG# 09-20604

## Section IV: ASBESTOS

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

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, 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: \_\_\_\_\_ f. Operator's Signature: \_\_\_\_\_  
 g. Name and Address of Responsible Agency: \_\_\_\_\_  
 h. 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.

TRANSPORTER RETAIN

# VASCO ROAD SANITARY LANDFILL No: 808547



BROWNING-FERRIS INDUSTRIES

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

Date: 03-25-96 Time In: 11:43:38 Time Out: 11:43:38  
Ticket #: 008324 CMS #: 1006261 LMS #: 0000261  
Customer: DILLARD TRUCKING/ARCO  
Vehicle #: 000391 Lic Plate:

SPECIAL  
Manifest #: 592478 PD #: 86002 Transporter:  
Source Cd: Generator: RCO DILLARD ARCO  
Comment: Operator: RAY  
Capacity: 18.00 yd Scale In #: 3 Scale Out #: Stored  
Gross Wt: 38.79 Tare Wt: 15.61 Net Wt: 23.18 tn

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.

Descr	Actual	Bill Qty	\$/Unit	Extended
SOYL	20.00	23.18 TN		

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.

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

DRIVER

DRIVER



# 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. 592455

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

a. Generator Name: \_\_\_\_\_ b. Generating Location: \_\_\_\_\_  
c. Address: \_\_\_\_\_ d. Address: \_\_\_\_\_

e. Phone No.: \_\_\_\_\_ 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 

--	--	--	--	--	--	--	--	--	--

 Containers

j. Description of Waste: \_\_\_\_\_ k. Quantity 

--	--	--	--	--	--	--	--

 Units 

--	--	--	--

 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 <sup>3</sup>	- CUBIC METERS
Y <sup>3</sup>	- 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.

Jessica Drake \_\_\_\_\_ 

--	--	--	--	--	--	--	--

  
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: \_\_\_\_\_  
b. Address: \_\_\_\_\_  
c. Driver Name/Title: Robert R. ...  
d. Phone No.: \_\_\_\_\_ PRINT/TYPE  
e. Truck No.: 259  
f. Vehicle License No./State: SP15L 79

### 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.  
g. [Signature] \_\_\_\_\_ 

--	--	--	--	--	--	--	--

  
Driver Signature Shipment Date

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: \_\_\_\_\_ 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. [Signature] \_\_\_\_\_ 

--	--	--	--	--	--	--	--

  
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, sealed, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.

Operator's\* Signature \_\_\_\_\_ Date \_\_\_\_\_  
Operator's\* Address: \_\_\_\_\_  
Operator's\* Name: \_\_\_\_\_  
 Friable  Non-friable  Both \_\_\_\_\_ % nonfriable

Operator's\* is the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

**TRANSPORTER RETAIN**

VASCO ROAD SANITARY LANDFILL No: 808420

OF BFI BROWNING-FERRIS INDUSTRIES

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

Time In: 08:43:08 Time Out: 08:43:08  
DYS # 1006261 LMS #: 0000261  
DILLARD TRUCKING/ARCO  
Lic Plate:

Manifest #: 592455 PD #: #6002 Transporter: D  
Source Cd: Generator: RCO DILLARD ARCO  
Comment: Operator: RAY  
Capacity: 18.00 yd Scale In #: 3 Scale Out #: Stored  
Gross Wt: 39.85 Tare Wt: 15.23 Net Wt: 24.62 tn

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.

Descr	Actual	Bill Qty	\$/Unit	Extended
SOIL	20.00	24.62 TN		

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.

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

*[Signature]*  
DRIVER

DRIVER



# 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. 592470

a. Generator Name: ARCO Products Company b. Generating Location: ARCO Station # 6002  
 c. Address: POB 612530 d. Address: 6235 Seminary Ave.  
San Jose, CA 95161 Oakland, CA  
 e. Phone No.: (408) 453-1498 f. Phone No.: None

If owner of the generating facility differs from the generator, provide:  
 g. Owner's Name: ARCO Products Company h. Owner's Phone No.: Same as I(e)

BFI WASTE CODE: 

C	A	4	0	5	0	3	2	2	9	6
---	---	---	---	---	---	---	---	---	---	---

0	4	0	6	1	X
---	---	---	---	---	---

 Containers: 

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

  
 Description of Waste: Non Hazardous Soil (TPH) k. Quantity: 

0	0	0	1	8
---	---	---	---	---

 Units: 

Y
---

 No.: 

0	1
---	---

 TYPE: 

T
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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 at the Request of ARCO Products.

ARCO PRODUCTS  
 Generator Authorized Agent Name: [Signature] Signature: [Signature] Shipment Date: 

0	3	2	5	9	6
---	---	---	---	---	---

TRANSPORTER I		TRANSPORTER II													
a. Name: <u>Dillard Trucking, Inc.</u>	b. Address: <u>P.O. Box 218</u> <u>Byron, CA 94514</u>	h. Name: _____	i. Address: _____												
c. Driver Name/Title: <u>[Signature]</u>	d. Phone No.: <u>(510) 634-6850</u>	j. Driver Name/Title: _____	k. Phone No.: _____												
e. Vehicle License No./State: <u>5A15079</u>	f. Acknowledgement of Receipt of Materials: <u>[Signature]</u>	l. Truck No.: _____	m. Vehicle License No./State: _____												
g. Driver Signature: <u>[Signature]</u>	Shipment Date: <table border="1"><tr><td>0</td><td>3</td><td>2</td><td>5</td><td>9</td><td>6</td></tr></table>	0	3	2	5	9	6	n. Driver Signature: _____	Shipment Date: <table border="1"><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table>						
0	3	2	5	9	6										

a. Site Name: BFI Vasco Rd. Landfill c. Phone No.: (510) 447-0491  
 b. Physical Address: 4001 North Vasco Road d. Mailing Address: 4001 North Vasco Road  
Livermore, CA 94550 Livermore, CA 94550

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

0	3	2	5	9	6
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 JOB# 1000.58 PO# 09-20604

Section II ASBESTOS  
 a. Operator's Name: \_\_\_\_\_ b. Operator's Phone No.: \_\_\_\_\_  
 c. Operator's Address: \_\_\_\_\_  
 d. Special Handling Instructions and additional information: \_\_\_\_\_  
 OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.  
 e. Operator's Name & Title: \_\_\_\_\_  
 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.

TRANSPORTER RETAIN



# VASCO ROAD SANITARY LANDFILL No: 808019

A DIVISION OF  BROWNING-FERRIS INDUSTRIES

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

Date : 03-25-96 Time In: 11:10:37 Time Out: 11:10:37  
Ticket # : 000296 CMS # : 1006261 LMS # : 0000261  
Customer : DILLARD TRUCKING/ARCO  
Vehicle # : 000289 Lic Plate:

SPECIAL  
Manifest # : 592470 PD #: STA 6002 Transporter: D  
Source Cd : Generator : RCO, DILLARD ARCO  
Comment : Operator: NOEL  
Capacity : 18.00 yd Scale In # : 1 Scale Out #: Stored  
Gross Wt : 40.50 Tare Wt: 15.23 Net Wt: 25.27 tn

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.

Descr	Actual	Bill Qty	\$/Unit	Extended
SOIL	26.00	25.27 TN		

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.

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

  
DRIVER

DRIVER



# 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. 592454

a. Generator Name: ARCO Products Company b. Generating Location: ARCO Station # 6002  
 c. Address: POB 612590 d. Address: 6235 Seminary Ave  
San Jose, CA 95161 Oakland, CA  
 e. Phone No.: (408) 458-1498 f. Phone No.: None

If owner of the generating facility differs from the generator, provide:  
 g. Owner's Name: ARCO Products Company h. Owner's Phone No.: Same as (e)

i. BFI WASTE CODE: 

C	A	4	0	5	0	3	2	2	9	6
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0	4	0	6	1
---	---	---	---	---

 Containers  
 j. Description of Waste: Non Hazardous Soil (TPHr) k. Quantity: 

0	0	0		
---	---	---	--	--

 Units: 

Y
---

 No.: 

0	1
---	---

 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  
 M<sup>3</sup> - CUBIC METERS  
 Y<sup>3</sup> - 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.

at the Request of ARCO Products  
 Generator Authorized Agent Name: Jessica Drake Signature: [Signature] Shipment Date: 

0	3	2	5	9	6
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TRANSPORTER I  
 a. Name: DiHard Trucking, Inc.  
 b. Address: P.O. Box 218  
Byron, CA 94514  
 c. Driver Name/Title: Rob Apeland PRINT/TITLE  
 d. Phone No.: (510) 634-8850 e. Truck No.: 99/270  
 f. Vehicle License No./State: SP28095 / IUV 5926  
 Acknowledgement of Receipt of Materials.  
 g. Driver Signature: [Signature] Shipment Date: 

0	3	2	5	9	6
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TRANSPORTER II  
 h. Name: \_\_\_\_\_  
 i. Address: \_\_\_\_\_  
 j. Driver Name/Title: \_\_\_\_\_ PRINT/TITLE  
 k. Phone No.: \_\_\_\_\_ l. Truck No.: \_\_\_\_\_  
 m. Vehicle License No./State: \_\_\_\_\_  
 Acknowledgement of Receipt of Materials.  
 n. \_\_\_\_\_ Shipment Date: 

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DESTINATION  
 a. Site Name: BFI Vasco Rd. Landfill c. Phone No.: (510) 947-0491  
 b. Physical Address: 4001 North Vasco Road d. Mailing Address: 4001 North Vasco Road  
Livermore, CA 94550 Livermore, CA 94550  
 e. Discrepancy Indication Space: \_\_\_\_\_

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

0	3	2	5	9	6
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 JOB# 1006/58  
 PO# 09-20604

ASBESTOS  
 a. Operator's Name: \_\_\_\_\_ b. Operator's Phone No.: \_\_\_\_\_  
 c. Operator's Address: \_\_\_\_\_  
 d. Special Handling Instructions and additional information: \_\_\_\_\_

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled, and 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 

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 f. Name and Address of Responsible Agency: \_\_\_\_\_  
 g.  Friable;  Non-friable;  Both \_\_\_\_\_ % friable \_\_\_\_\_ % nonfriable  
 h. 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.

TRANSPORTER RETAIN

DIVISION OF BFI BROWNING-FERRIS INDUSTRIES

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

Date: 03-25-96 Time In: 07:58:52 Time Out: 07:58:52  
Trailer # : 009181 CMG # : 1006261 CMG # : 0000261  
Owner: DILLARD TRUCKING/ARCO Lic. Plate:  
Vehicle # : 000991  
Est # : 592454 PO # : #6002 Transporter: D  
Invoice # : Generator : RCO DILLARD ARCO  
Weight : Operator: RAY  
Capacity : 18.00 yd Scale In # : 3 Scale Out #: Stored  
Net Wt : 39.23 Tare Wt: 15.61 Net Wt: 23.62 tn

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.

Actual	Bill Qty	\$/Unit	Extended
20.00	23.62 TN		

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.

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

DRIVER



# 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. 592468

a. Generator Name: ARCO Products Company b. Generating Location: ARCO Station # 6002  
 c. Address: POB 812530 d. Address: 6235 Seminary Ave.  
San Jose, CA 95161 Oakland, CA  
 e. Phone No.: (408) 453-1498 f. Phone No.: None

If owner of the generating facility differs from the generator, provide:  
 g. Owner's Name: ARCO Products Company h. Owner's Phone No.: Same as (g)

i. BFI WASTE CODE: 

C	A	4	0	5	0	3	2	2	9	6
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0	4	0	6	1	X
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 Containers: 

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

  
 j. Description of Waste: Non Hazardous Soil (TPHg) k. Quantity: 

0	0	0	1	8
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 Units: 

Y
---

 No.: 

0	1
---	---

 TYPE: 

T
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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 at the Request of ARCO Products

Jessica Drake Generator Authorized Agent Name Signature 032590 Shipment Date

## TRANSPORTER I

a. Name: Dillard Trucking, Inc.  
 b. Address: P.O. Box 218  
Byron, CA 94514  
 c. Driver Name/Title: Rob Copeland PRINT/TITLE  
 d. Phone No.: (910) 834-6858 e. Truck No.: 991-270  
 f. Vehicle License No./State: 5P28085/1VN5926  
 Acknowledgement of Receipt of Materials.  
 g. Driver Signature: [Signature] Shipment Date: 

0	3	2	5	9	6
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## TRANSPORTER II

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

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## DESTINATION

a. Site Name: BFI Vasco Rd. Landfill c. Phone No.: (510) 447-0491  
 b. Physical Address: 4001 North Vasco Road d. Mailing Address: 4001 North Vasco Road  
Livermore, CA 94550 Livermore, CA 94550  
 e. Discrepancy Indication Space: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.  
 f. Name of Authorized Agent: [Signature] Signature 072598 Receipt Date 308# 1006 58  
P0# 09-20601

## ASBESTOS

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

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

e. Operator's Name & Title: \_\_\_\_\_ Print/Type Operator's Signature: \_\_\_\_\_ Date: 

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 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.

TRANSPORTER RETAIN

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

Date : 03-25-96 Time In: 10:10:18 Time Out: 10:10:18  
Ticket # : A08260 CMS # : 1006261 LMS #: 0000261

Customer : DILLARD TRUCKING/ARCO

Vehicle # : 000991 Lic Plate:

SPECIAL

Manifest # : 592468 PD #: STA 6002 Transporter: D

Source Cd : Generator : RCO DILLARD ARCO

Comment : Operator: NOEL

Capacity : 18.00 yd Scale In # : 3 Scale Out #: Stored

Gross Wt : 40.71 Tare Wt: 15.61 Net Wt: 25.10 tn

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.

Descr	Actual	Bill Qty	\$/Unit	Extended
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SOIL	20.00	25.10 TN		
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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 dompo absolutamente.

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

DRIVER

DRIVER



# 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. 592464

**GENERATOR**

a. Generator Name: ARCO Products Company b. Generating Location: ARCO Station # 8002

c. Address: POB 612530 d. Address: 6235 Seminary Ave  
San Jose, CA 95161 Oakland, CA

e. Phone No.: (408) 453-1498 f. Phone No.: None

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

g. Owner's Name: ARCO Products Company h. Owner's Phone No.: Same as (f)

i. BFI WASTE CODE: 

C	A	4	0	5	0	3	2	2	0	5
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0	4	0	6	1	X
---	---	---	---	---	---

Containers: 

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

l. Description of Waste: Non Hazardous Soil (TPHg) k. Quantity: 

0	0	0	/	8
---	---	---	---	---

 Units: 

Y
---

 No.: 

0	1
---	---

 TYPE: 

T
---

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

Jessica Drake Generator Authorized Agent Name [Signature] Signature 032500 Shipment Date

**TRANSPORTER I**

a. Name: Dillard Trucking, Inc.

b. Address: P.O. Box 218  
Byron, CA 94514

c. Driver Name/Title: [Signature] d. Phone No.: (510) 634-6850 e. Truck No.: 271

f. Vehicle License No./State: 3P88170 CA

g. Acknowledgement of Receipt of Materials: [Signature] 030506 Shipment Date

**TRANSPORTER II**

h. Name: \_\_\_\_\_

i. Address: \_\_\_\_\_

j. Driver Name/Title: \_\_\_\_\_ k. Phone No.: \_\_\_\_\_ l. Truck No.: \_\_\_\_\_

m. Vehicle License No./State: \_\_\_\_\_

n. Acknowledgement of Receipt of Materials: \_\_\_\_\_

**DESTINATION**

a. Site Name: 6PI Vasco Rd. Landfill c. Phone No.: (510) 417-0191

b. Physical Address: 4001 North Vasco Road d. Mailing Address: 4001 North Vasco Road  
Livermore, CA 94550 Livermore, CA 94550

e. Discrepancy Indication Space: \_\_\_\_\_

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

[Signature] Signature 032506 Receipt Date JOB# 1006/58 PO# 09-20604

**OPERATOR**

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: \_\_\_\_\_ 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.

TRANSPORTER RETAIN

# VASCO ROAD SANITARY LANDFILL No. 808538

7 DIVIS



BROWNING-FERRIS INDUSTRIES

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

Date: 03-25-96 Time In: 11:31:50 Time Out: 11:31:50  
Ticket #: 088315 O/S #: 000261 T/S #: 000261  
Customer: DILLARD TRUCKING/ARCO  
Vehicle #: 000291 Lic Plate:

Manifest #: 592464 PI #: 16002 Transporter: U  
Source Cd: Generator: RCO DILLARD ARCO

Comment: Operator: RAY  
Capacity: 18.00 yd Scale In #: 3 Scale Out #: Stored  
Gross Wt: 42.74 Tare Wt: 15.48 Net Wt: 27.26 tn

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.

Descr	Actual	Bill Qty	\$/Unit	Extended
SOIL	28.00	27.26 TN		

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.

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

DRIVER

DRIVER



# 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. 592466

a. Generator Name: ARCO Products Company b. Generating Location: ARCO Station # 6002  
 c. Address: POB 612530 d. Address: 6235 Seminary Ave.  
San Jose, CA 95161 Oakland, CA

e. Phone No.: (408) 453-1498 f. Phone No.: None

If owner of the generating facility differs from the generator, provide:  
 g. Owner's Name: ARCO Products Company h. Owner's Phone No.: Same as (g)

BFI WASTE CODE: 

C	A	4	0	5	0	3	2	2	9	6
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0	4	0	6	1	X
---	---	---	---	---	---

 Containers

Description of Waste: Non Hazardous Soil (TPHg) k. Quantity: 

0	0	0	1	8
---	---	---	---	---

 Units: 

Y
---

 No.: 

0	1
---	---

 TYPE: 

T
---

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

at the Request of ARCO Products  
Jessica Drake Signature  
 Generator Authorized Agent Name

- 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<sup>3</sup> - CUBIC METERS  
 Y<sup>3</sup> - CUBIC YARDS  
 O - OTHER

032596  
 Shipment Date

## TRANSPORTER I

a. Name: Dillard Trucking, Inc.  
 b. Address: P.O. Box 210  
Byron, CA 94574  
 c. Driver Name/Title: D. Hartley  
 d. Phone No.: (510) 634-8650 e. Truck No.: 091  
 f. Vehicle License No./State: 5P09170 CA

Acknowledgement of Receipt of Materials.  
[Signature] Driver Signature 03/15/94 Shipment Date

## TRANSPORTER II

h. Name: \_\_\_\_\_  
 i. Address: \_\_\_\_\_  
 j. Driver Name/Title: \_\_\_\_\_  
 k. Phone No.: \_\_\_\_\_ l. Truck No.: \_\_\_\_\_  
 m. Vehicle License No./State: \_\_\_\_\_

Acknowledgement of Receipt of Materials.  
 \_\_\_\_\_ Driver Signature \_\_\_\_\_ Shipment Date

## DESTINATION

a. Site Name: PI Vasco Rd. Landfill c. Phone No.: (510) 447-0491  
 b. Physical Address: 4001 North Vasco Road d. Mailing Address: 4001 North Vasco Road  
Livermore, CA 94550 Livermore, CA 94550

e. Discrepancy Indication Space: \_\_\_\_\_  
 I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent: \_\_\_\_\_ Signature: \_\_\_\_\_ 032596 Receipt Date  
 JOB# 100653  
 PO# 04-20603

## OPERATOR

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.

## TRANSPORTER RETAIN



# VASCO ROAD SANITARY LANDFILL No. 808426

**BF** BROWNING-FERRIS INDUSTRIES

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

03-25-96 Time In: 08:56:08 Time Out: 08:56:08  
108204 CMS: 1086261 TMS: 0000261

Customer: DILLARD TRUCKING/ARCO  
Vehicle #: 000291

Lic Plate:

Manifest #: 592466 PO #: 86002 Transporter: D  
Source Cd: Generator: RCO DILLARD ARCO  
Comment: Operator: RAY  
Capacity: 18.00 yd Scale In #: 3 Scale Out #: Stored  
Gross Wt: 42.41 Tare Wt: 15.48 Net Wt: 26.93 tn

**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.

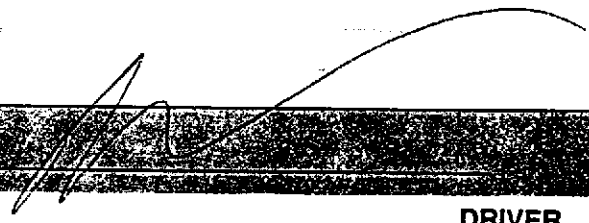
Descr	Actual	Bill Qty	\$/Unit	Extended
SOIL	20.00	26.93 TN		

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.

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



DRIVER

DRIVER



# 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. 592465

a. Generator Name: ARCO Products Company b. Generating Location: ARCO Station # 6002  
 c. Address: POB 612530 d. Address: 6285 Seminary Ave.  
San Jose, CA 95161 Oakland, CA  
 e. Phone No.: (408) 453-1498 f. Phone No.: None

If owner of the generating facility differs from the generator, provide:  
 g. Owner's Name: ARCO Products Company h. Owner's Phone No.: Same as (f)

i. BFI WASTE CODE: 

C	A	4	0	5	0	3	2	2	9	6
---	---	---	---	---	---	---	---	---	---	---

 j. Containers: 

0	4	0	5	1	X
---	---	---	---	---	---

  
 k. Description of Waste: Non Hazardous Soil (TPHg) l. Quantity: 

0	0	0	1	8
---	---	---	---	---

 Units: 

Y
---

 No.: 

0	1
---	---

 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
M <sup>3</sup>	- CUBIC METERS
Y <sup>3</sup>	- 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 at the Request of ARCO Products  
 Generator Authorized Agent Name: Jessica Drake Signature: [Signature] Shipment Date: 032596

**TRANSPORTER I**  
 a. Name: Debard Trucking, Inc.  
 b. Address: P.O. Box 218  
Byron, CA 94514  
 c. Driver Name/Title: J. WISE DVR  
 d. Phone No.: (510) 634-6850 e. Truck No.: 891  
 f. Vehicle License No./State: SP28086 CA  
 Acknowledgement of Receipt of Materials:  
J. Wise Signature: [Signature] Shipment Date: 032596

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

a. Site Name: BFI Vasco Rd. Landfill c. Phone No.: (510) 447-0491  
 b. Physical Address: 4001 North Vasco Road d. Mailing Address: 4001 North Vasco Road  
Livermore, CA 94550 Livermore, CA 94550

a. 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.  
 Name of Authorized Agent: [Signature] Signature: [Signature] Receipt Date: 032596 JOB# 1006/58  
 PO# 09-20604

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

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

a. 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.

TRANSPORTER RETAIN

# VASCO ROAD SANITARY LANDFILL No. 808456

**BFI** BROWNING-FERRIS INDUSTRIES

3001 VASCO ROAD  
LIVERMORE, CA 94550  
(510) 447-0491

Date: 03-25-96 Time In: 09:31:33 Time Out: 09:31:33  
Ticket #: A08234 Dis #: 1008261 LMS #: 008261  
Customer: DILLARD TRUCKING/ARCO  
Vehicle #: 000891 Lic Plate:

SPECIAL  
Manifest #: 592465 PD #: STA 6002 Transporter: 0  
Source Cd: Generator: ACO DILLARD ARCO

Comment: Operator: NOEL  
Capacity: 18.00 yd Scale In #: 1 Scale Out #: Stored  
Gross Wt: 40.86 Tare Wt: 15.22 Net Wt: 25.64 tn

Descr	Actual	Bill Qty	\$/Unit	Extended
SOIL	20.00	25.64 TN		

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.

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

*Wise*

DRIVER

DRIVER



# NON-HAZARDOUS SPECIAL WASTE & BESTOS 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. 592477

a. Generator Name: ARCO Products Company b. Generating Location: ARCO Station # 6002  
 Address: POB 812530 d. Address: 6235 Seminary Ave.  
San Jose, CA 95161 Oakland, CA  
 e. Phone No.: (408) 153-1493 f. Phone No.: None

If owner of the generating facility differs from the generator, provide:  
 g. Owner's Name: ARCO Products Company h. Owner's Phone No.: None

i. BFI WASTE CODE: 

4	A	4	0	3	0	3	2	2	9	6
---	---	---	---	---	---	---	---	---	---	---

 Containers: 

0	0	0	0	0	0	0	0	0	0	0
---	---	---	---	---	---	---	---	---	---	---

  
 j. Description of Waste: Non Hazardous Soil (TPHg) k. Quantity: 

0	0	0	1	8
---	---	---	---	---

 Units: 

Y
---

 No.: 

0	1
---	---

 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  
 M<sup>3</sup> - CUBIC METERS  
 Y<sup>3</sup> - 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, at the request of ARCO Products

Generator Authorized Agent Name: Ken O'Grave Signature: [Signature] Shipment Date: 032596

**SECTION II TRANSPORTER**

a. Name: Dillard Trucking, Inc. h. Name: \_\_\_\_\_  
 b. Address: P.O. Box 218 i. Address: \_\_\_\_\_  
Byron, CA 94514  
 c. Driver Name/Title: J. WISE DVR j. Driver Name/Title: \_\_\_\_\_  
 d. Phone No.: (510) 834-6860 k. Phone No.: \_\_\_\_\_  
 e. Truck No.: 891 l. Truck No.: \_\_\_\_\_  
 m. Vehicle License No./State: SP28086 CA  
 Acknowledgement of Receipt of Materials. n. \_\_\_\_\_  
 Driver Signature: J. Wise Shipment Date: 032596 Driver Signature: \_\_\_\_\_ Shipment Date: \_\_\_\_\_

**SECTION III DESTINATION**

a. Site Name: BFI Vasco Rd. Landfill c. Phone No.: (510) 447-0491  
 b. Physical Address: 4001 North Vasco Road d. Mailing Address: 4001 North Vasco Road  
Livermore, CA 94550 Livermore, CA 94550

g. 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.  
 Name of Authorized Agent: \_\_\_\_\_ Signature: [Signature] Receipt Date: 032596 JOB# 1006.52 PG# 09-20604

**SECTION IV ASBESTOS**

a. Operator's Name: \_\_\_\_\_ b. Operator's Phone No.: \_\_\_\_\_  
 c. Operator's Address: \_\_\_\_\_  
 d. Special Handling Instructions and additional information: \_\_\_\_\_  
 OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.  
 e. Operator's Name & Title: \_\_\_\_\_ f. Operator's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
 g. Name and Address of Responsible Agency: \_\_\_\_\_  
 h.  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: 808558



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

Date : 03-25-96 Time In: 12:05:00 Time Out: 12:05:00  
Ticket # : A08337 CMS # : 1006261 LMS # : 0000261

Customer : DILLARD TRUCKING/ARCO  
Vehicle # : 000891 Lic Plate:

SPECIAL  
Manifest # : 592477 PO #: STA 6002 Transporter: D  
Source Cd : Generator : RCO DILLARD ARCO

Comment : Operator: NOEL  
Capacity : 19.00 yd Scale In # : 1 Scale Out #: Stored  
Gross Wt : 35.57 Tare Wt: 15.22 Net Wt: 20.35 tn

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.

Descr	Actual	Bill Qty	\$/Unit	Extended
SOIL	16.00	20.35 TN		

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.

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

DRIVER

DRIVER



# NON-HAZARDOUS SPECIAL WASTE & BESTOS 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. 592469

**GENERATOR**

a. Generator Name: ARCO Products Company b. Generating Location: ARCO Station # 6002  
 c. Address: POB 612530 d. Address: 6235 Seminary Ave  
San Jose, CA 95161 Oakland, CA  
 e. Phone No.: (408) 453-1498 f. Phone No.: None  
 (If owner of the generating facility differs from the generator, provide:  
 g. Owner's Name: ARCO Products Company h. Owner's/Phone No.: Same as (f)

BFI WASTE CODE: 

C	A	4	0	5	0	3	2	2	9	6
---	---	---	---	---	---	---	---	---	---	---

 Containers: 

0	4	0	0	1	0
---	---	---	---	---	---

Description of Waste: Non Hazardous Soil (TPHlg) k. Quantity: 

0	0	0	/	Y
---	---	---	---	---

 Units: Y No.: 

0	1
---	---

 TYPE: 

T
---

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

Jessica Drake at the Request of ARCO Products  
 Generator Authorized Agent Name: \_\_\_\_\_ Signature: \_\_\_\_\_ Shipment Date: 032596

- TYPE**
- DM - METAL DRUM
  - DP - PLASTIC DRUM
  - B - BAG
  - BA - 5 MIL. PLASTIC BAG or WRAP
  - T - TRUCK
  - O - OTHER
- UNITS**
- P - POUNDS
  - Y - YARDS
  - M<sup>3</sup> - CUBIC METERS
  - Y<sup>3</sup> - CUBIC YARDS
  - O - OTHER

**TRANSPORTER**

<p align="center"><b>TRANSPORTER I</b></p> <p>a. Name: <u>Dillard Trucking, Inc.</u>          b. Address: <u>P.O. Box 218</u>  <u>RYTON, CA 94514</u>          c. Driver Name/Title: <u>Phil Rouse</u>          d. Phone No.: <u>(510) 634-6850</u> e. Truck No.: <u>571</u>          f. Vehicle License No./State: <u>SP2573</u>          Acknowledgement of Receipt of Materials:  <u>Phil Rouse</u> <u>032596</u>          Driver Signature: _____ Shipment Date: _____</p>	<p align="center"><b>TRANSPORTER II</b></p> <p>h. Name: _____          i. Address: _____          j. Driver Name/Title: _____          k. Phone No.: _____ l. Truck No.: _____          m. Vehicle License No./State: _____          Acknowledgement of Receipt of Materials:          _____ <u>032596</u>          Driver Signature: _____ Shipment Date: _____</p>
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**DESTINATION**

a. Site Name: San Vasco Rd. Landfill c. Phone No.: (510) 447-0491  
 b. Physical Address: 4001 North Vasco Road d. Mailing Address: 4001 North Vasco Road  
Livermore, CA 94550 Livermore, CA 94550  
 e. Discrepancy Indication Space: \_\_\_\_\_  
 I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Generator Authorized Agent Signature: \_\_\_\_\_ Receipt Date: 032596 JOB# 1006/58  
 PO# 09-20604

**OPERATOR**

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, 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: \_\_\_\_\_ 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.

**TRANSPORTER RETAIN**

# VASCO ROAD SANITARY LANDFILL No: 808444

A DIVISION OF  BROWNING-FERRIS INDUSTRIES

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

Date: 03-25-96 Time In: 09:19:30 Time Out: 09:19:30  
# : A08223 CMS #: 1006261 LMS #: 0000261  
Owner: DILLARD TRUCKING/ARCO  
# : 000591 Lic Plate:

Test #: 592469 PO #: #6002 Transporter: D  
Scale Cd : Generator : RCO DILLARD ARCO  
Operator: RAY  
Scale In #: 18.00 yd Scale In #: 1 Scale Out #: Stored  
Tare Wt: 39.45 Tare Wt: 15.15 Net Wt: 24.30 tn

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.

Actual	Bill Qty	1/Unit	Extended
20.00	24.30 TN		

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 dompa  
absolutamente.

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

  
DRIVER



# 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. 592472

a. Generator Name: ARCO Products Company b. Generating Location: ARCO Station # 6002  
 c. Address: POB 612530 d. Address: 0235 Seminary Ave.  
San Jose, CA 95181 Oakland, CA  
 e. Phone No.: (408) 453-1498 f. Phone No.: None

If owner of the generating facility differs from the generator, provide:  
 g. Owner's Name: ARCO Products Company h. Owner's Phone No.: Same as (f)

i. BFI WASTE CODE: 

C	A	4	0	5	0	3	2	2	9	8
---	---	---	---	---	---	---	---	---	---	---

 Containers: 

0	0	6	1	X
---	---	---	---	---

  
 j. Description of Waste: Non Hazardous Soil (TPHg) k. Quantity: 

0	0	0	18
---	---	---	----

 Units: 

Y
---

 No.: 

0	1	1
---	---	---

 TYPE: 

G	I	T
---	---	---

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

Jessica Drake at the Request of ARCO Products  
 Generator/Authorized Agent Name Signature Shipment Date: 

0	3	2	5	9	0
---	---	---	---	---	---

- 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<sup>3</sup> - CUBIC METERS  
 Y<sup>3</sup> - CUBIC YARDS  
 O - OTHER

## TRANSPORTER I

a. Name: Dillard Trucking, Inc.  
 b. Address: P.O. Box 218  
Byron, CA 94514  
 c. Driver Name/Title: MIKE GRAY DRIVER  
 d. Phone No.: (510) 634-8850 e. Truck No.: 191  
 f. Vehicle License No./State: SP28169 CA  
 Acknowledgement of Receipt of Materials:  
Mike Gray

0	3	2	5	9	0
---	---	---	---	---	---

  
 Driver Signature Shipment Date

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

## DESTINATION

a. Site Name: BFI Vasco Rd. Landfill c. Phone No.: (510) 447-0491  
 b. Physical Address: 4001 North Vasco Road d. Mailing Address: 4001 North Vasco Road  
Livermore, CA 94550 Livermore, CA 94550

a. 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.

Name of Authorized Agent: \_\_\_\_\_ Signature: \_\_\_\_\_ Receipt Date: 

0	3	2	5	9	0
---	---	---	---	---	---

  
 JOB# 1006 PA  
 PO# 09-20601

## ASBESTOS

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

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

e. Operator's Name & Title: \_\_\_\_\_  
 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.

TRANSPORTER RETAIN



# VASCO ROAD SANITARY LANDFILL No: 808461

A DIVISION OF  BROWNING-FERRIS INDUSTRIES

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

Date : 03-25-96 Time In: 09:42:54 Time Out: 09:42:54  
Ticket # : A08239 CMS # : 1006261 LMS # : 0000261  
Customer : DILLARD TRUCKING/ARCO  
Vehicle # : 000191 Lic Plate:

SPECIAL  
Manifest # : 592472 PD #: STA 6002 Transporter: 0  
Source Cd : Generator : RCO DILLARD ARCO  
Comment : Operator: NOEL  
Capacity : 18.00 yd Scale In # : 1 Scale Out #: Stored  
Gross Wt : 41.96 Tare Wt: 15.72 Net Wt: 26.24 tn

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.

Descr	Actual	Bill Qty	\$/Unit	Extended
SOIL	20.00	26.24 TN		

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.

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

DRIVER

*M. Lopez* 191-200

DRIVER



# 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. 592475

a. Generator Name: ARCO Products Company b. Generating Location: ARCO Station # 4002  
 c. Address: POB 612530 d. Address: 6235 Seminary Ave.  
San Jose, CA 95161 Oakland, CA  
 e. Phone No.: (408) 463-1488 f. Phone No.: None  
 If owner of the generating facility differs from the generator, provide:  
 g. Owner's Name: ARCO Products Company h. Owner's Phone No.: Same as f(e)

i. BFI WASTE CODE: 

C	A	4	0	5	0	3	2	2	9	6
---	---	---	---	---	---	---	---	---	---	---

 Containers: 

0	4	0	6	1	X
---	---	---	---	---	---

  
 j. Description of Waste: Non Hazardous Soil (TPH) k. Quantity: 

0	0	0	/	8
---	---	---	---	---

 Units: 

Y
---

 No.: 

0	1
---	---

 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  
 M<sup>3</sup> - CUBIC METERS  
 Y<sup>3</sup> - 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.  
 at the Request of ARCO Products  
 Generator Authorized Agent Name: Mike Gray Signature: [Signature] Shipment Date: 032596

TRANSPORTER I  
 a. Name: Dillard Trucking, Inc. b. Address: P.O. Box 218  
Byron, CA 94514  
 c. Driver Name/Title: MIKE GRAY DRIVER PRINT/TITLE  
 d. Phone No.: (510) 634-8850 e. Truck No.: 191  
 Vehicle License No./State: SP 28169 CA.  
 Acknowledgement of Receipt of Materials.  
 Driver Signature: [Signature] Shipment Date: 032596

TRANSPORTER II  
 h. Name: \_\_\_\_\_ i. Address: \_\_\_\_\_  
 j. Driver Name/Title: \_\_\_\_\_ PRINT/TITLE  
 k. Phone No.: \_\_\_\_\_ l. Truck No.: \_\_\_\_\_  
 m. Vehicle License No./State: \_\_\_\_\_  
 Acknowledgement of Receipt of Materials.  
 n. \_\_\_\_\_ Shipment Date: \_\_\_\_\_

Site Name: BFI Vasco Rd. Landfill c. Phone No.: (510) 147-0191  
 Physical Address: 4001 North Vasco Road d. Mailing Address: 4001 North Vasco Road  
Livermore, CA 94550 Livermore, CA 94550  
 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.  
 Name of Authorized Agent: \_\_\_\_\_ Signature: [Signature] Receipt Date: 032596 JOB# 1006/58  
 PO# 09-20604

OPERATOR'S INFORMATION  
 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  
 f. Name and Address of Responsible Agency: \_\_\_\_\_ Operator's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
 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.

TRANSPORTER RETAIN

# VASCO ROAD SANITARY LANDFILL No: 808589

A DIVISION OF **BFI** BROWNING-FERRIS INDUSTRIES

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

Date : 03-25-96 Time In: 12:50:56 Time Out: 12:58:56  
Ticket # : A08369 CMS # : 1006261 LMS # : 0000261  
Customer : DILLARD TRUCKING/ARCO  
Vehicle # : 000191 Lic Plate:

Manifest # : 592475 PG #: STA 6002 Transporter: D  
Source Cd : Generator : RCO DILLARD ARCO  
Comment : Operator: NOEL  
Capacity : 18.00 yd Scale In # : 3 Scale Out #: Stored  
Gross Wt : 38.18 Tare Wt: 15.72 Net Wt: 22.46 tn

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.

Descr	Actual	Bill Qty	\$/Unit	Extended
SOIL	18.00	22.46 TN		

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.

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

*M Lopez* 191-250

DRIVER

DRIVER



# 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. 592483

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

a. Generator Name: ARCO Products Company b. Generating Location: \_\_\_\_\_  
 c. Address: POB 612530 d. Address: \_\_\_\_\_  
San Jose, CA 95161  
 e. Phone No.: 408 450-1199 f. Phone No.: \_\_\_\_\_

If owner of the generating facility differs from the generator, provide:  
 g. Owner's Name: ARCO Products Company h. Owner's Phone No.: \_\_\_\_\_

i. BFI WASTE CODE: 

3	A	1	0	7	0	3	2	2	9	0
---	---	---	---	---	---	---	---	---	---	---

 Containers: 

0	0	0	0	0	0	0	0	0	0
---	---	---	---	---	---	---	---	---	---

  
 j. Description of Waste: Non Hazardous Soil (TSP) k. Quantity: 

9	0	0	1	8
---	---	---	---	---

 Units: 

V
---

 No.: 

0	0	0	0	0	0	0	0	0	0
---	---	---	---	---	---	---	---	---	---

 TYPE: 

T
---

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

0	3	2	5	9	6
---	---	---	---	---	---

 Shipment Date

- 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<sup>3</sup> - CUBIC METERS  
 Y<sup>3</sup> - CUBIC YARDS  
 O - OTHER

## Section II TRANSPORTER (Generator completes a-d; Transporter I completes e-g; Transporter II completes h-j)

**TRANSPORTER I**  
 a. Name: Dillard Trucking, Inc  
 b. Address: P.O. Box 218  
Byron, CA 94514  
 c. Driver Name/Title: J. WISE DVP.  
 d. Phone No.: (510) 634-6850 PRINT/TYPE e. Truck No.: 891  
 f. Vehicle License No./State: SP28086 CA  
 Acknowledgement of Receipt of Materials: J. Wise

0	4	0	3	9	6
---	---	---	---	---	---

 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-j)

a. Site Name: BFI Vasco Rd. Landfill c. Phone No.: (510) 417-0100  
 b. Physical Address: 4001 North Vasco Road d. Mailing Address: 3001 North Vasco Road  
Livermore, CA 94550 Livermore, CA 94550  
 e. Discrepancy Indication Space: \_\_\_\_\_

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

0	4	0	3	9	6
---	---	---	---	---	---

 Receipt Date

## Section IV ASBESTOS (Generator completes a-d; 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.

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

Date : 04-03-96 Time In: 08:41:49 Time Out: 08:41:49  
Ticket # : A11274 CMS # : 1006261 LMS #: 0000261  
Customer : DILLARD TRUCKING/ARCO  
Vehicle # : 000891 Lic Plate:

Manifest # : 592483 PG #: STA 6002 Transporter: 0  
Source Cd : Generator : RCO DILLARD ARCO  
Comment : Operator: MARK  
Capacity : 18.00 yd Scale In # : 3 Scale Out #: Stored  
Gross Wt : 36.24 Tare Wt: 15.02 Net Wt: 21.02 tn

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.

Descr	Actual	Bill Qty	\$/Unit	Extended
SOIL	17.00	21.02 TN		

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.

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

*J. Wise*



DRIVER

DRIVER

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# 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. 592474

## Section I: GENERATOR (Generator completes all of Section I)

a. Generator Name: ARCO Products Company b. Generating Location: ARCO Products Company  
 c. Address: POB 612530 d. Address: 2235 Seminole Ave.  
San Jose, CA 95161 Oakland, CA  
 e. Phone No.: (408) 453-1498 f. Phone No.: None

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

g. Owner's Name: ARCO Products Company h. Owner's Phone No.: Same as generator

i. BFI WASTE CODE: 

CA	40	7	03	22	06
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 Containers: 

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 TYPE: 

--	--	--	--	--	--

  
 j. Description of Waste: Non Hazardous Soil (TPH) k. Quantity: 

0	0	0	18
---	---	---	----

 Units: 

Y			
---	--	--	--

 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<sup>3</sup> - CUBIC METERS  
 Y<sup>3</sup> - 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 at the Request of ARCO Products.

JESSICA DRAVE Generator Authorized Agent Name  
[Signature] Signature  
032990 Shipment Date

## Section II: TRANSPORTER (Generator complete a-g; Transporter I complete e-g; Transporter II complete h-n)

**TRANSPORTER I**  
 a. Name: Dillard Trucking, Inc.  
 b. Address: P.O. Box 218  
Byron, CA 94511  
 c. Driver Name/Title: J. WISE DW  
 d. Phone No.: (510) 634-8300 e. Truck No.: 891  
 f. Vehicle License No./State: SP28086 CA

**TRANSPORTER II**  
 h. Name: \_\_\_\_\_  
 i. Address: \_\_\_\_\_  
 j. Driver Name/Title: \_\_\_\_\_  
 k. Phone No.: \_\_\_\_\_ l. Truck No.: \_\_\_\_\_  
 m. Vehicle License No./State: \_\_\_\_\_

Acknowledgement of Receipt of Materials.  
 g. J. Wise Driver Signature  
040396 Shipment Date

n. \_\_\_\_\_ Driver Signature  
 \_\_\_\_\_ Shipment Date

## Section III: DESTINATION (Generator completes a-c; Destination site completes e-f)

a. Site Name: BFI Vasco Rd. Landfill  
 b. Physical Address: 4001 North Vasco Road  
Livermore, CA 94550

c. Phone No.: (510) 417-0100  
 d. Mailing Address: 4001 North Vasco Road  
Livermore, CA 94550

e. Discrepancy Indication Space: \_\_\_\_\_  
 I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

f. [Signature] Name of Authorized Agent  
040396 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.

TRANSPORTER RETAIN

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

Date : 04-03-96 Time In: 11:05:33 Time Out: 11:05:33  
Ticket # : A11360 CMS # : 1000261 LMS #: 0000261  
Customer : DILLARD TRUCKING/ARCO  
Vehicle # : 000091 Lic Plates:

Manifest # : 592474 PO #: STA 6002 Transporter: D  
Source Cd : Generator : RCO DILLARD ARCO  
Comment : Operator: NOEL  
Capacity : 10.00 yo Scale In #: 3 Scale Out #: Stored  
Gross Wt : 35.40 Tare Wt: 15.00 Net Wt: 20.18 tn

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.

Descr	Actual	Bill Qty	Unit	Extended
SDIL	15.00	20.18	TN	

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.

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

DRIVER

DRIVER



NON-HAZA

ASTOS MANIFEST

No. 592482

Section I GENERATOR (Generator completes a-f; all of Section I)

a. Generator Name: ARCO Products Company
b. Generating Location: ARCO Station # 400
c. Address: POR 612530 San Jose, CA 95161
d. Address: 2205 Seminary Ave Oakland, CA
e. Phone No.: (408) 453-1498
f. Phone No.: 508-...

g. Owner's Name: ARCO Products Company
h. Owner's Phone No.: 508-...

i. BFI WASTE CODE: CA 407 03 2 4 4 5
j. Description of Waste: Non Hazardous Soil (TPH)
k. Quantity: 10 1/8 Units: V No.: 01 TYPE: T

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261...
JESSICA DRAKE
Generator Authorized Agent Name
Signature
032596
Shipment Date

Section II TRANSPORTER (Generator completes a-f; Transporter I completes g-h; Transporter II completes i-j)

TRANSPORTER I
a. Name: Dillard Trucking, Inc.
b. Address: P.O. Box 218 Byron, CA 94514
c. Driver Name/Title: Phil Rose
d. Phone No.: (510) 634-6850
e. Truck No.: 591
f. Vehicle License No./State: SP28173
Acknowledgement of Receipt of Materials.
g. Driver Signature: Phil Rose
Shipment Date: 09/09/96

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

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

a. Site Name: BFI Vasco Rd Landfill
b. Physical Address: 4001 North Vasco Road Livermore, CA 94550
c. Phone No.: (925) 447-0111
d. Mailing Address: 4001 North Vasco Road Livermore, CA 94550
e. Discrepancy Indication Space:

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

Section IV ASBESTOS (Generator completes a-d; Operator\* completes e-f)

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:
f. Name and Address of Responsible Agency:
g. Frangible: Non-frangible: 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.

TRANSPORTER RETAIN



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

Date : 04-03-96 Time In: 08:54:40 Time Out: 09:54:40  
Ticket # : A11281 CMS # : 1006261 LMS # : 0000261  
Customer : DILLARD TRUCKING/ARCO  
Vehicle # : 000591 Lic Plate:

SPECIAL  
Manifest # : 592482 PO #: STA 6002 Transporter: 0  
Source Cd : Generator : RCD DILLARD ARCO  
Comment : Operator: MARK  
Capacity : 18.00 yd Scale In # : 1 Scale Out #: Stored  
Gross Wt : 42.25 Tare Wt: 15.15 Net Wt: 27.10 tn

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.

0001  
0001

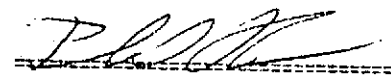
Descr	Actual	Bill Qty	1/Unit	Extended
SOIL	21.00	27.10 TN		

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

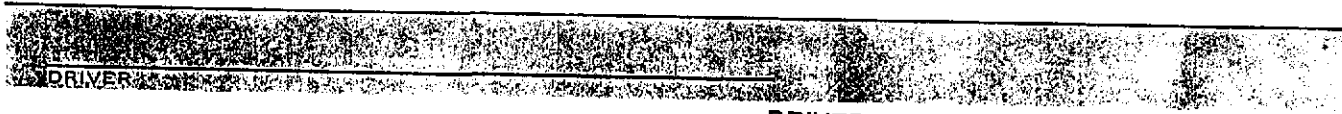
Ninõs deben de permanecer en los carros a todas horas.

No se permite llevar cosas del dompe absolutamente.

0001  
0001



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



DRIVER



# 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. 592476

## Section I: GENERATOR (Generator completes all of Section I)

a. Generator Name: ARCO Products Company b. Generating Location: ARCO Station # 0002  
 c. Address: POB 612530 d. Address: 6235 Seminary Ave.  
San Jose, CA 95161 Oakland, CA  
 e. Phone No.: (408) 433-1498 f. Phone No.: None

If owner of the generating facility differs from the generator, provide:  
 g. Owner's Name: ARCO Products Company h. Owner's Phone No.: Same as 11a

i. BFI WASTE CODE: 

C	A	4	0	5	0	3	2	2	6
---	---	---	---	---	---	---	---	---	---

0	1	6	3	N
---	---	---	---	---

 Containers: DM - METAL DRUM  
 j. Description of Waste: Non Hazardous Soil (TPHG) k. Quantity: 

0	0	0	1	8
---	---	---	---	---

 Units: Y No.: 

0	1
---	---

 TYPE: 

T
---

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

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

Jessica Drake Generator Authorized Agent Name Signature 

0	3	2	5	0	6
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 Shipment Date

## Section II: TRANSPORTER (Generator completes a, b, c, d, e, f, g, h, i, j, k, l, m, n, o, p, q, r, s, t, u, v, w, x, y, z, aa, ab, ac, ad, ae, af, ag, ah, ai, aj, ak, al, am, an, ao, ap, aq, ar, as, at, au, av, aw, ax, ay, az, ba, bb, bc, bd, be, bf, bg, bh, bi, bj, bk, bl, bm, bn, bo, bp, bq, br, bs, bt, bu, bv, bw, bx, by, bz, ca, cb, cc, cd, ce, cf, cg, ch, ci, cj, ck, cl, cm, cn, co, cp, cq, cr, cs, ct, cu, cv, cw, cx, cy, cz, da, db, dc, dd, de, df, dg, dh, di, dj, dk, dl, dm, dn, do, dp, dq, dr, ds, dt, du, dv, dw, dx, dy, dz, ea, eb, ec, ed, ee, ef, eg, eh, ei, ej, ek, el, em, en, eo, ep, eq, er, es, et, eu, ev, ew, ex, ey, ez, fa, fb, fc, fd, fe, ff, fg, fh, fi, fj, fk, fl, fm, fn, fo, fp, fq, fr, fs, ft, fu, fv, fw, fx, fy, fz, ga, gb, gc, gd, ge, gf, gg, gh, gi, gj, gk, gl, gm, gn, go, gp, gq, gr, gs, gt, gu, gv, gw, gx, gy, gz, ha, hb, hc, hd, he, hf, hg, hh, hi, hj, hk, hl, hm, hn, ho, hp, hq, hr, hs, ht, hu, hv, hw, hx, hy, hz, ia, ib, ic, id, ie, if, ig, ih, ii, ij, ik, il, im, in, io, ip, iq, ir, is, it, iu, iv, iw, ix, iy, iz, ja, jb, jc, jd, je, jf, jg, jh, ji, jj, jk, jl, jm, jn, jo, jp, jq, jr, js, jt, ju, jv, jw, jx, jy, jz, ka, kb, kc, kd, ke, kf, kg, kh, ki, kj, kk, kl, km, kn, ko, kp, kq, kr, ks, kt, ku, kv, kw, kx, ky, kz, la, lb, lc, ld, le, lf, lg, lh, li, lj, lk, ll, lm, ln, lo, lp, lq, lr, ls, lt, lu, lv, lw, lx, ly, lz, ma, mb, mc, md, me, mf, mg, mh, mi, mj, mk, ml, mm, mn, mo, mp, mq, mr, ms, mt, mu, mv, mw, mx, my, mz, na, nb, nc, nd, ne, nf, ng, nh, ni, nj, nk, nl, nm, nn, no, np, nq, nr, ns, nt, nu, nv, nw, nx, ny, nz, oa, ob, oc, od, oe, of, og, oh, oi, oj, ok, ol, om, on, oo, op, oq, or, os, ot, ou, ov, ow, ox, oy, oz, pa, pb, pc, pd, pe, pf, pg, ph, pi, pj, pk, pl, pm, pn, po, pp, pq, pr, ps, pt, pu, pv, pw, px, py, pz, qa, qb, qc, qd, qe, qf, qg, qh, qi, qj, qk, ql, qm, qn, qo, qp, qq, qr, qs, qt, qu, qv, qw, qx, qy, qz, ra, rb, rc, rd, re, rf, rg, rh, ri, rj, rk, rl, rm, rn, ro, rp, rq, rr, rs, rt, ru, rv, rw, rx, ry, rz, sa, sb, sc, sd, se, sf, sg, sh, si, sj, sk, sl, sm, sn, so, sp, sq, sr, ss, st, su, sv, sw, sx, sy, sz, ta, tb, tc, td, te, tf, tg, th, ti, tj, tk, tl, tm, tn, to, tp, tq, tr, ts, tt, tu, tv, tw, tx, ty, tz, ua, ub, uc, ud, ue, uf, ug, uh, ui, uj, uk, ul, um, un, uo, up, uq, ur, us, ut, uu, uv, uw, ux, uy, uz, va, vb, vc, vd, ve, vf, vg, vh, vi, vj, vk, vl, vm, vn, vo, vp, vq, vr, vs, vt, vu, vv, vw, vx, vy, vz, wa, wb, wc, wd, we, wf, wg, wh, wi, wj, wk, wl, wm, wn, wo, wp, wq, wr, ws, wt, wu, wv, ww, wx, wy, wz, xa, xb, xc, xd, xe, xf, xg, xh, xi, xj, xk, xl, xm, xn, xo, xp, xq, xr, xs, xt, xu, xv, xw, xx, xy, xz, ya, yb, yc, yd, ye, yf, yg, yh, yi, yj, yk, yl, ym, yn, yo, yp, yq, yr, ys, yt, yu, yv, yw, yx, yy, yz, za, zb, zc, zd, ze, zf, zg, zh, zi, zj, zk, zl, zm, zn, zo, zp, zq, zr, zs, zt, zu, zv, zw, zx, zy, zz)

a. Name: Dillard Trucking, Inc. b. Address: P.O. Box 218  
Byron, CA 94514  
 c. Driver Name/Title: James Williams PRINT/TITLE  
 d. Phone No.: (510) 634-6850 e. Truck No.: 391/360  
 f. Vehicle License No./State: 5P2817V 1405798 CA.  
 Acknowledgement of Receipt of Materials.  
 g. Driver Signature: J. Williams

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

## Section III: DESTINATION (Generator completes a, b, c, d, e, f, g, h, i, j, k, l, m, n, o, p, q, r, s, t, u, v, w, x, y, z, aa, ab, ac, ad, ae, af, ag, ah, ai, aj, ak, al, am, an, ao, ap, aq, ar, as, at, au, av, aw, ax, ay, az, ba, bb, bc, bd, be, bf, bg, bh, bi, bj, bk, bl, bm, bn, bo, bp, bq, br, bs, bt, bu, bv, bw, bx, by, bz, ca, cb, cc, cd, ce, cf, cg, ch, ci, cj, ck, cl, cm, cn, co, cp, cq, cr, cs, ct, cu, cv, cw, cx, cy, cz, da, db, dc, dd, de, df, dg, dh, di, dj, dk, dl, dm, dn, do, dp, dq, dr, ds, dt, du, dv, dw, dx, dy, dz, ea, eb, ec, ed, ee, ef, eg, eh, ei, ej, ek, el, em, en, eo, ep, eq, er, es, et, eu, ev, ew, ex, ey, ez, fa, fb, fc, fd, fe, ff, fg, fh, fi, fj, fk, fl, fm, fn, fo, fp, fq, fr, fs, ft, fu, fv, fw, fx, fy, fz, ga, gb, gc, gd, ge, gf, gg, gh, gi, gj, gk, gl, gm, gn, go, gp, gq, gr, gs, gt, gu, gv, gw, gx, gy, gz, ha, hb, hc, hd, he, hf, hg, hh, hi, hj, hk, hl, hm, hn, ho, hp, hq, hr, hs, ht, hu, hv, hw, hx, hy, hz, ia, ib, ic, id, ie, if, ig, ih, ii, ij, ik, il, im, in, io, ip, iq, ir, is, it, iu, iv, iw, ix, iy, iz, ja, jb, jc, jd, je, jf, jg, jh, ji, jj, jk, jl, jm, jn, jo, jp, jq, jr, js, jt, ju, jv, jw, jx, jy, jz, ka, kb, kc, kd, ke, kf, kg, kh, ki, kj, kk, kl, km, kn, ko, kp, kq, kr, ks, kt, ku, kv, kw, kx, ky, kz, la, lb, lc, ld, le, lf, lg, lh, li, lj, lk, ll, lm, ln, lo, lp, lq, lr, ls, lt, lu, lv, lw, lx, ly, lz, ma, mb, mc, md, me, mf, mg, mh, mi, mj, mk, ml, mm, mn, mo, mp, mq, mr, ms, mt, mu, mv, mw, mx, my, mz, na, nb, nc, nd, ne, nf, ng, nh, ni, nj, nk, nl, nm, nn, no, np, nq, nr, ns, nt, nu, nv, nw, nx, ny, nz, oa, ob, oc, od, oe, of, og, oh, oi, oj, ok, ol, om, on, oo, op, oq, or, os, ot, ou, ov, ow, ox, oy, oz, pa, pb, pc, pd, pe, pf, pg, ph, pi, pj, pk, pl, pm, pn, po, pp, pq, pr, ps, pt, pu, pv, pw, px, py, pz, qa, qb, qc, qd, qe, qf, qg, qh, qi, qj, qk, ql, qm, qn, qo, qp, qq, qr, qs, qt, qu, qv, qw, qx, qy, qz, ra, rb, rc, rd, re, rf, rg, rh, ri, rj, rk, rl, rm, rn, ro, rp, rq, rr, rs, rt, ru, rv, rw, rx, ry, rz, sa, sb, sc, sd, se, sf, sg, sh, si, sj, sk, sl, sm, sn, so, sp, sq, sr, ss, st, su, sv, sw, sx, sy, sz, ta, tb, tc, td, te, tf, tg, th, ti, tj, tk, tl, tm, tn, to, tp, tq, tr, ts, tt, tu, tv, tw, tx, ty, tz, ua, ub, uc, ud, ue, uf, ug, uh, ui, uj, uk, ul, um, un, uo, up, uq, ur, us, ut, uu, uv, uw, ux, uy, uz, va, vb, vc, vd, ve, vf, vg, vh, vi, vj, vk, vl, vm, vn, vo, vp, vq, vr, vs, vt, vu, vv, vw, vx, vy, vz, wa, wb, wc, wd, we, wf, wg, wh, wi, wj, wk, wl, wm, wn, wo, wp, wq, wr, ws, wt, wu, wv, ww, wx, wy, wz, xa, xb, xc, xd, xe, xf, xg, xh, xi, xj, xk, xl, xm, xn, xo, xp, xq, xr, xs, xt, xu, xv, xw, xx, xy, xz, ya, yb, yc, yd, ye, yf, yg, yh, yi, yj, yk, yl, ym, yn, yo, yp, yq, yr, ys, yt, yu, yv, yw, yx, yy, yz, za, zb, zc, zd, ze, zf, zg, zh, zi, zj, zk, zl, zm, zn, zo, zp, zq, zr, zs, zt, zu, zv, zw, zx, zy, zz)

a. Site Name: BFI Vasco Rd. Landfill c. Phone No.: (510) 117-0491  
 b. Physical Address: 4001 North Vasco Road d. Mailing Address: 1801 North Vasco Road  
Livermore, CA 94550 Livermore, CA 94550  
 e. Discrepancy Indication Space: \_\_\_\_\_  
 I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.  
 Name of Authorized Agent: \_\_\_\_\_ Signature: [Signature]

0	4	0	3	9	6
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 Receipt Date  
 Date: \_\_\_\_\_

## Section IV: ASBESTOS (Generator completes a, b, c, d, e, f, g, h, i, j, k, l, m, n, o, p, q, r, s, t, u, v, w, x, y, z, aa, ab, ac, ad, ae, af, ag, ah, ai, aj, ak, al, am, an, ao, ap, aq, ar, as, at, au, av, aw, ax, ay, az, ba, bb, bc, bd, be, bf, bg, bh, bi, bj, bk, bl, bm, bn, bo, bp, bq, br, bs, bt, bu, bv, bw, bx, by, bz, ca, cb, cc, cd, ce, cf, cg, ch, ci, cj, ck, cl, cm, cn, co, cp, cq, cr, cs, ct, cu, cv, cw, cx, cy, cz, da, db, dc, dd, de, df, dg, dh, di, dj, dk, dl, dm, dn, do, dp, dq, dr, ds, dt, du, dv, dw, dx, dy, dz, ea, eb, ec, ed, ee, ef, eg, eh, ei, ej, ek, el, em, en, eo, ep, eq, er, es, et, eu, ev, ew, ex, ey, ez, fa, fb, fc, fd, fe, ff, fg, fh, fi, fj, fk, fl, fm, fn, fo, fp, fq, fr, fs, ft, fu, fv, fw, fx, fy, fz, ga, gb, gc, gd, ge, gf, gg, gh, gi, gj, gk, gl, gm, gn, go, gp, gq, gr, gs, gt, gu, gv, gw, gx, gy, gz, ha, hb, hc, hd, he, hf, hg, hh, hi, hj, hk, hl, hm, hn, ho, hp, hq, hr, hs, ht, hu, hv, hw, hx, hy, hz, ia, ib, ic, id, ie, if, ig, ih, ii, ij, ik, il, im, in, io, ip, iq, ir, is, it, iu, iv, iw, ix, iy, iz, ja, jb, jc, jd, je, jf, jg, jh, ji, jj, jk, jl, jm, jn, jo, jp, jq, jr, js, jt, ju, jv, jw, jx, jy, jz, ka, kb, kc, kd, ke, kf, kg, kh, ki, kj, kk, kl, km, kn, ko, kp, kq, kr, ks, kt, ku, kv, kw, kx, ky, kz, la, lb, lc, ld, le, lf, lg, lh, li, lj, lk, ll, lm, ln, lo, lp, lq, lr, ls, lt, lu, lv, lw, lx, ly, lz, ma, mb, mc, md, me, mf, mg, mh, mi, mj, mk, ml, mm, mn, mo, mp, mq, mr, ms, mt, mu, mv, mw, mx, my, mz, na, nb, nc, nd, ne, nf, ng, nh, ni, nj, nk, nl, nm, nn, no, np, nq, nr, ns, nt, nu, nv, nw, nx, ny, nz, oa, ob, oc, od, oe, of, og, oh, oi, oj, ok, ol, om, on, oo, op, oq, or, os, ot, ou, ov, ow, ox, oy, oz, pa, pb, pc, pd, pe, pf, pg, ph, pi, pj, pk, pl, pm, pn, po, pp, pq, pr, ps, pt, pu, pv, pw, px, py, pz, qa, qb, qc, qd, qe, qf, qg, qh, qi, qj, qk, ql, qm, qn, qo, qp, qq, qr, qs, qt, qu, qv, qw, qx, qy, qz, ra, rb, rc, rd, re, rf, rg, rh, ri, rj, rk, rl, rm, rn, ro, rp, rq, rr, rs, rt, ru, rv, rw, rx, ry, rz, sa, sb, sc, sd, se, sf, sg, sh, si, sj, sk, sl, sm, sn, so, sp, sq, sr, ss, st, su, sv, sw, sx, sy, sz, ta, tb, tc, td, te, tf, tg, th, ti, tj, tk, tl, tm, tn, to, tp, tq, tr, ts, tt, tu, tv, tw, tx, ty, tz, ua, ub, uc, ud, ue, uf, ug, uh, ui, uj, uk, ul, um, un, uo, up, uq, ur, us, ut, uu, uv, uw, ux, uy, uz, va, vb, vc, vd, ve, vf, vg, vh, vi, vj, vk, vl, vm, vn, vo, vp, vq, vr, vs, vt, vu, vv, vw, vx, vy, vz, wa, wb, wc, wd, we, wf, wg, wh, wi, wj, wk, wl, wm, wn, wo, wp, wq, wr, ws, wt, wu, wv, ww, wx, wy, wz, xa, xb, xc, xd, xe, xf, xg, xh, xi, xj, xk, xl, xm, xn, xo, xp, xq, xr, xs, xt, xu, xv, xw, xx, xy, xz, ya, yb, yc, yd, ye, yf, yg, yh, yi, yj, yk, yl, ym, yn, yo, yp, yq, yr, ys, yt, yu, yv, yw, yx, yy, yz, za, zb, zc, zd, ze, zf, zg, zh, zi, zj, zk, zl, zm, zn, zo, zp, zq, zr, zs, zt, zu, zv, zw, zx, zy, zz)

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.

TRANSPORTER RETAIN

VASCO ROAD SANITARY LANDFILL No: 000021

A DIVISION OF BFI® BROWNING-FERRIS INDUSTRIES

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

Date : 04-03-96 Time In: 08:52:15 Time Out: 08:52:15  
Ticket # : A11200 CMS # : 1006261 LMS #: 0000261  
Customer : DILLARD TRUCKING/ARCO  
Vehicle # : 000391 Lic Plate:

Manifest # : 592476 PO #: STA 6002 Transporter:  
Source Cd : Generator : RCO DILLARD ARCO  
Comment : Operator: MARK  
Capacity : 18.00 yd Scale In # : 3 Scale Out #: Stored  
Gross Wt : 39.85 Tare Wt: 18.61 Net Wt: 24.24 tn

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.

Descr	Actual	Bill Qty	W/Unit	Extended
SOLL	18.00	24.24 TN		

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.

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

*J. Williams*  
DRIVER

DRIVER



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. 592472

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

a. Generator Name: ARCO Products Company b. Generating Location: ARCO Station # 600  
 c. Address: POB 612530 d. Address: 6227 Seminary Ave  
San Jose, CA 95161 Redwood, CA  
 e. Phone No.: (408) 453-1198 f. Phone No.: None  
 If owner of the generating facility differs from the generator, provide:  
 g. Owner's Name: ARCO Products Company h. Owner's Phone No.: Same as f.  
 i. BFI WASTE CODE 

C	A	4	0	5	0	3	2	2	9	6
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0	4	0	5	1	X
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 Containers  
 j. Description of Waste: Non Hazardous Soil (TPH) k. Quantity 

0	0	0	1	8
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 Units 

Y
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 No. 

0	1
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 TYPE 

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 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.  
Jessica Drake at the Request of ARCO Products  
 Generator Authorized Agent Name Signature 

0	3	2	5	0	6
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 Shipment Date  
 Section I

- 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<sup>3</sup> - CUBIC METERS  
 Y<sup>3</sup> - CUBIC YARDS  
 O - OTHER

**TRANSPORTER** (Generator completes a-d; Transporter I completes e-g; Transporter II completes h-j)

**TRANSPORTER I**  
 a. Name: Dillard Trucking Inc.  
 b. Address: P.O. Box 218  
Byron, CA 94514  
 c. Driver Name/Title: James Williams  
 PRINT/TITLE  
 d. Phone No.: (510) 634-6850 e. Truck No.: 391/360  
 f. Vehicle License No./State: 5P28191/1V05798 CA.  
 Acknowledgement of Receipt of Materials.  
 g. A. Williams

0	4	0	3	9	6
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 Shipment Date  
 Driver Signature

**TRANSPORTER II**  
 h. Name: \_\_\_\_\_  
 i. Address: \_\_\_\_\_  
 j. Driver Name/Title: \_\_\_\_\_  
 PRINT/TITLE  
 k. Phone No.: \_\_\_\_\_ l. Truck No.: \_\_\_\_\_  
 m. Vehicle License No./State: \_\_\_\_\_  
 Acknowledgement of Receipt of Materials.  
 n. \_\_\_\_\_  
 Driver Signature 

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 Shipment Date

**DESTINATION** (Generator completes a-c; Destination site completes d-g)

a. Site Name: BFI Vasco Rd Landfill c. Phone No.: (510) 417-0161  
 b. Physical Address: 400 North Vasco Road d. Mailing Address: 1001 North Vasco Rd  
Livermore, CA 94550 Livermore, CA 94550  
 e. Discrepancy Indication Space: \_\_\_\_\_  
 I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.  
 f. [Signature]

0	4	0	3	9	6
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 Receipt Date  
 Name of Authorized Agent Signature MTR# 1000 50  
 PO# 00-20001

**ASBESTOS** (Generator completes a-d; Operator completes e-g)

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  
 f. Name and Address of Responsible Agency: \_\_\_\_\_  
 Operator's\* Signature 

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 Date  
 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.

TRANSPORTER RETAIN

VASCO ROAD SANITARY LANDFILL No: 000352

A DIVISION OF BFI<sup>®</sup> BROWNING-FERRIS INDUSTRIES

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

9000  
8888

Date : 04-03-96 Time In: 12:02:47 Time Out: 12:02:47  
Ticket # : A11410 CMS # : 1006261 LMS #: 0000261  
Customer : DILLARD TRUCKING/ARCO  
Vehicle # : 000391 Lic Plate:  
SPECIAL

Manifest # : 592479 PO #: STA 6002 Transporter:  
Source Cd : Generator : RCO DILLARD ARCO  
Comment : Operator: NOEL  
Capacity : 18.00 yd Scale In # : 3 Scale Out #: Stored  
Gross Wt : 27.51 Tare Wt: 15.61 Net Wt: 11.90 tn

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.

Descr	Actual	Bill Qty	W/Unit	Extended
SOIL	7.00	11.90	TN	

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

0001  
0001

Niños deben de permanecer en los carros a todas horas.

No se permite llevar cosas del dompo absolutamente.

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

*[Signature]*  
DRIVER

DRIVER

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VASCO ROAD SANITARY LANDFILL No. 000009

A DIVISION OF BFI BROWNING-FERRIS INDUSTRIES

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

Date : 04-03-96 Time In: 09:21:49 Time Out: 09:21:49  
Ticket # : A11266 CMS # : 1006261 LMS #: 0000261  
Customer : DILLARD TRUCKING/ARCO  
Vehicle # : 000091 Lic Plate:  
SPECIAL

Manifest # : 592481 PD #: STA 6002 Transporter:  
Source Cd : Generator : RCO DILLARD ARCO  
Comment : Operator: MARK  
Capacity : 18.00 yd Scale In # : 1 Scale Out #: Stored  
Gross Wt : 38.77 Tare Wt: 15.43 Net Wt: 23.34 tn

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.

Descr	Actual	Bill Qty	\$/Unit	Extended
SOIL	17.00	23.34 TN		

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

Niños deben de permanecer en los carros a todas horas.

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HAVE A GREAT DAY!!!

*[Handwritten signature]*  
DRIVER

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# 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. 592467

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

a. Generator Name: ARCO Products Company b. Generating Location: ARCO Station # 2002  
 c. Address: POB 612530 d. Address: 1135 Seminary Way  
San Jose, CA 95161 Parkland, CA  
 e. Phone No.: (408) 153-1498 f. Phone No.: None

If owner of the generating facility differs from the generator, provide:  
 g. Owner's Name: ARCO Products Company h. Owner's Phone No.: Same as generator

i. BFI WASTE CODE: 

C	A	4	0	5	0	3	2	2	9	6
---	---	---	---	---	---	---	---	---	---	---

 j. Description of Waste: Non Hazardous Soil (TPHg) k. Quantity: 18 Units: Y No.: 1 TYPE: T

CONTAINERS	
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 <sup>3</sup>	- CUBIC METERS
Y <sup>3</sup>	- 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 at the Request of ARCO Products.

Generator Authorized Agent Name: Jessica Drake Signature: [Signature] Shipment Date: 032590

## Section II TRANSPORTER (Generator completes a-d; Transporter I completes e-g; Transporter II completes h-i)

TRANSPORTER I		TRANSPORTER II	
a. Name: <u>Dillard Trucking, Inc</u>	b. Address: <u>P.O. Box 218</u> <u>Byron, CA 94514</u>	h. Name: _____	i. Address: _____
c. Driver Name/Title: <u>Edward A. Rowe</u>	d. Phone No.: <u>(510) 634-8850</u>	j. Driver Name/Title: _____	k. Phone No.: _____
e. Truck No.: <u>091</u>	f. Vehicle License No./State: <u>SP2B16B</u>	l. Truck No.: _____	m. Vehicle License No./State: _____
Acknowledgement of Receipt of Materials.		Acknowledgement of Receipt of Materials.	
Driver Signature: <u>[Signature]</u>	Shipment Date: <u>040390</u>	Driver Signature: _____	Shipment Date: _____

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

a. Site Name: BFI Vasco Rd. Landfill c. Phone No.: (510) 447-0101  
 b. Physical Address: 4001 North Vasco Road d. Mailing Address: 4001 North Vasco Road  
Livermore, CA 94550 Livermore, CA 94550  
 e. Discrepancy Indication Space: \_\_\_\_\_

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

f. Name of Authorized Agent: \_\_\_\_\_ Signature: [Signature] Receipt Date: 040390

## Section IV ASBESTOS (Generator completes a-d; Operator\* completes e-f)

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: \_\_\_\_\_ f. Name and Address of Responsible Agency: \_\_\_\_\_  
 Operator's\* Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
 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.

TRANSPORTER RETAIN



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

Date : 04-03-96 Time In: 12:01:20 Time Out: 12:01:20  
Ticket # : A11409 CMS # : 1006261 LMS # : 0000261

Customer : DILLARD TRUCKING/ARCO

Vehicle # : 000091

SPECIAL

Manifest # : 592467 PD # : STA 5002 Transporter:

Source Cd : Generator : RCO DILLARD ARCO

Comment : Operator: NOEL

Capacity : 18.00 yd Scale In # : 1 Scale Out #: Stored

Gross Wt : 40.35 Tare Wt: 15.43 Net Wt: 24.92 tn

Descr	Actual	Bill Qty	\$/Unit	Extended
SOIL	20.00	24.92 TN		


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