

◀ MORE ON BACK ▶

UPDATES:

6-29-95

* PETROLEUM RELEASE FORM *
Please Check All That Apply

-----INCIDENT INFORMATION-----

LOG NBR: 26-91-0600

RECEIVED BY: TRT

☒ REGULATED UST

UST FAC NBR: 3933

DATE REPORTED: 1-20-91

☐ NON-REGULATED UST

SITE NAME: ARCO SS #6118

☐ HEATING OIL TANK

SITE ADDRESS: 5284 N. Lombard

SITE CITY: Portland ZIP: 97203

SITE COUNTY: Mult PHONE: _____

FUNDING

☒ LUST

☐ HSRF

☐ OHC

☐ FINANCIAL ASST

PROJECT MANAGER: _____

☐ INVOICE START

☐ INVOICE STOP

LTR. AGR.

☒ NFA SENT

DATE: _____

12-4-91

-----MAIL CONTACTS-----

REPORTED BY

NAME: Bob Dixon

COMPANY: Sweet + Edwards

ADDRESS: PO Box 11048

CITY: Tualatin ZIP: 97062

STATE: OR PHONE: _____

RESPONSIBLE PARTY

NAME: Chuck Hutchens

COMPANY: ARCO

ADDRESS: 12520 NE 160th Pl.

CITY: Woodinville ZIP: 98072-7960

STATE: WA PHONE: _____

INVOICE CONTACT

NAME: RP

COMPANY: _____

ADDRESS: _____

CITY: _____ ZIP: _____

STATE: _____ PHONE: _____

OTHER CONTACT(S)

NAME: _____

COMPANY: _____

ADDRESS: _____

CITY: _____ ZIP: _____

STATE: _____ PHONE: _____

-----SITE ASSESSMENT-----

DATE DISCOVERED: 11-1-89

☐ EMERGENCY RESP.

☐ ENFORCEMENT

☐ FURTHER CLEANUP REQ.

☐ NO FURTHER CLEANUP REQ.

☐ OFFSITE MIGRATION

____ L.I.P.S. SCORE (Region)

CONFIRMATION:

☐ SI) STAFF

☐ LD) LAB:DEQ

☐ LR) LAB:RP

☐ LO) LAB:OTHER

☒ RR) RP REPORT

☐ CN) CONTRACTOR

☐ OT) OTHER _____

DISCOVERY:

☐ RM) ROUTINE MONITORING

☐ DC) DECOMMISSIONING

☐ CP) COMPLAINT

☐ IC) INVENTORY CONTROL

☒ SA) SITE ASSESSMENT

☐ TT) TANK TEST

☐ OT) OTHER _____

CAUSE:

☐ TL) TANK LEAK

☐ PL) PIPE LEAK

☐ OF) OVERFILL

☐ SS) SURFACE SPILL

☐ PV) PUMP/VALVE LEAK

☐ OT) OTHER _____

☒ UN) UNKNOWN

* Closed 12/4/91 *

-----CONTAMINANTS - IMPACTS-----

CONTAMINANTS:

- ☐ UG) UNLEADED GASOLINE
- ☐ LG) LEADED GASOLINE
- ☒ MG) MISC. GASOLINE
- ☐ DS) DIESEL
- ☐ FO) FUEL OIL
- ☐ WO) WASTE OIL
- ☐ LB) LUBRICANT

- ☐ SV) SOLVENT
- ☐ BF) BUNKER FUEL
- ☐ OP) OTHER PET. DIST.
- ☐ CH) CHEMICAL
- ☐ HO) HEATING OIL
- ☐ UN) UNKNOWN
- ☐ OT) OTHER _____

MEDIA/IMPACT:

- ☒ SL) SOIL
- ☐ GW) GROUNDWATER
- ☐ SW) SURFACE WATER
- ☐ DW) DRINKING WATER
- ☐ FV) FACILITY (VAPOR)
- ☐ FP) FACILITY (FREE PROD)

-----SITE - SOIL MANAGEMENT-----

RELEASE STOPPED: 10-31-90

REMEDATION COMPLETED: _____

CLEANUP STARTED: 10-31-90

NO FURTHER ACTION: _____

SWLA PERMIT NUMBER: _____

DATE ISSUED: _____

AMOUNT OF SOIL (yds3) TREATED ON SITE: _____

TREATMENT METHOD:

AMOUNT OF SOIL (yds3) TREATED OFF SITE: _____

- ☐ AREATION
- ☐ THERMAL
- ☐ BIOLOGICAL
- ☐ OTHER _____

AMOUNT OF SOIL (yds3) DISPOSED OF: _____ ☐ TREATED

☐ UNTREATED

FINAL DISPOSITION OF SOIL:

- ☐ ONSITE
- ☐ LANDFILL

- ☐ ROAD BASE
- ☐ OTHER _____

NOTES/COMMENTS: _____

This Space Provided For Regional Use

40 PPM

* L U S T F O R M *

40 PPM

----- INCIDENT INFORMATION -----
 LUST Incident Nbr: _____ LUST Log Nbr: 26-91-060 UST Facility ID: 3933
 Date Received: 1/20/91 Received By: TRT Emergency Resp Taken: Y ☒
 Tank Identification: File Name: Arco Station # 6118
 Street: 5284 N. Lombard
 City: Portland Zip: 97203
 County: Mult Phone: _____

Incident Comments: _____

----- CONTACT & MAIL TYPES -----
 Reported By: Rob Dixon LUST Contact: _____ Responsible Party: Kyle Christie
 Name: _____ Name: _____ Name: _____
 Company: Sweet Edwards Company: _____ Company: Arco
 Street: P.O. Box 1648 Street: _____ Street: P.O. Box 5811
 City: Tualatin Zip: 97062 City: _____ Zip: _____ City: Jen Mateo Zip: 97402
 State: _____ Phone: _____ State: _____ Phone: _____ State: _____ Phone: _____

----- SITE ASSESSMENT -----
 LUST Incident Nbr: (XXXXXXXXXXXXXX)
 Date Investigated: 2/7/91 Investigated By: TRT
 Release Exists: Y ☒ N Confirmation Method: A) Staff B) Lab: DEQ C) Lab: RP D) Lab: Other (E) RP F) Other
 Cleanup Necessary: Y ☒ Regulated Tank: Y ☒ Exposure Assessment: Y ☒ N
 Off-Site Migration: Y ☒ ? Estimated Gallons Released: _____ Priority: _____
 Discovery Date: 11/1/89

How Discovered: _____
 (Circle) A) Routine Monitoring B) Inventory Control C) Decommissioning (D) Site Assessment
 E) Complaint F) Tank Test G) Other

Material Released: _____
 (Circle) A) Unleaded Gasoline B) Leaded Gasoline (C) Misc. Gasoline
 D) Diesel E) Fuel Oil F) Waste Oil
 G) Lubricant H) Solvent I) Bunker Fuel
 J) Other Pet. Dist. K) Chemical L) Unknown

Source of Release: _____
 (Circle) A) Tank Leak B) Pipe Leak C) Overfill D) Surface Spill
 E) Pump/Valve Leak F) Other (G) Unknown

Impacts: (Circle)	Soil	<u>Y</u>	N	%	?
	Groundwater	Y	<u>N</u>	%	?
	Surface Water	Y	<u>N</u>	%	?
	Drinking Water	Y	<u>N</u>	%	?
	Facility (Vapor)	Y	<u>N</u>	%	?
	Facility (Free Product)	Y	<u>N</u>	%	?

Site Assessment Comments: To Close - 9 ppm Max - 3 Borings

----- SITE MANAGEMENT -----
 LUST Incident Nbr: (XXXXXXXXXXXXXX)
 Date Released Stopped: 10/31/90
 Cleanup Activity: Start Date: 10/31/90 Under Control Date: 10/31/90
 End Date: 10/31/90 Contractor Name: Sweet Edwards
 Cleanup Guideline: Matrix C.A.P. Cleanup Lead: CRP SLW/TF SLW/OTF
 (Circle) (Circle)
 Free Product Disposal: _____ Soil Disposal: _____
 Est. Gallons: _____ Est. Cu/Yds: _____
 Resp. Party: _____ Resp. Party: _____
 Disposal Location: _____ Disposal Location: _____
 Removal Date: _____ Removal Date: _____
 Enforcement Action: Y ☒ N
 (Circle)
 Cost Recovery Initiated: Y ☒ N
 (Circle) Source of Cost Recovery: _____ Pct. R.P.: _____
 Pct. SLW/TF: _____
 Pct. SLW/OTF: _____

Estimations: Cost of Cleanup: _____

Staff Time On Project: 1.5 hrs

Site Management Comments: _____

Closed 12/4/91



Sweet-Edwards/EMCON, Inc.

P.O. Box 1648
Tualatin, Oregon 97062
(503) 624-7200
FAX (503) 620-7658

26-91-060

January 28, 1991
Project T3325.01

Dept. of Environmental Quality

RECEIVED
JAN 29 1991

Mr. Kyle Christie
Environmental Engineer
ARCO Petroleum Product Company
P.O. Box 5811
San Mateo, California 94402

NORTHWEST REGION

Re: Underground Storage Tank Replacement Assessment, Arco Service
Station No. 6118, Portland, Oregon

Dear Kyle:

This letter report summarizes the findings of the preliminary tank replacement assessment at ARCO Service Station No. 6118 located at NW Lombard and Portsmouth Streets, Portland, Oregon.

INTRODUCTION

ARCO authorized Sweet-Edwards/EMCON, Inc. (SE/E) to perform soil borings and lab testing of soil as outlined in ARCO's *ARCO Retail Marketing Environmental Procedure: Preliminary Tank Replacement Assessment*.

SOIL BORINGS AND SAMPLING

On October 31, 1989, a total of 3 borings (B-1, B-2 and B-3) were drilled adjacent to the tank complex (see Figure 1). Drilling was performed using a 3.75-inch I.D. hollow-stem auger and a CME 55 drill rig owned and operated by Geo-Tech Exploration of Portland, Oregon. An SE/E engineer was present during all drilling activities performed at the site.

Soil samples were collected from each boring at five foot intervals using the standard penetration test method. All samples were field screened using a photoionization detector. Soil samples were placed in laboratory supplied glass containers and placed on ice in a cooler. Samples were shipped to Columbia Analytical Services, Kelso, Washington for analysis using chain-of-custody procedures.

P/ARCO-LR2.128/DP:2(wp)

The borings penetrated approximately 1 foot of asphalt and gravel subbase. Sand was then encountered to 17 feet during drilling. Sandy gravel was encountered from 17 feet to 31.5 feet. All borings were completed at a total depth of 31.5 feet below ground surface (see boring logs, Appendix A).

Ground water was not encountered. No gasoline odors were detected in the split spoon samples or spoils. The borings were backfilled with bentonite chips upon completion. Spoils generated from drilling were stockpiled behind the store (see Figure 1) and covered with visqueen. A representative sample was collected from the stockpiled spoils.

ANALYTICAL RESULTS

Selected soil samples were analyzed for total petroleum hydrocarbons (TPH) by U.S. Environmental Protection Agency (EPA) Method 418.1. No soil samples analyzed had concentrating of TPH above 14 parts per million (ppm). The results are summarized in Table 1 below.

Table 1
Analytical Soil Results

Sample ID	Depth (ft)	EPA Method 418.1 (ppm)
Arco Spoils	--	14
B-1-2	10	3.2
B-1-4	20	6.1
B-1-6	30	4.4
B-1-6 (Duplicate)	30	7.1
B-2-2	10	8.8
B-2-4	20	2.1
B-2-6	30	2.0
B-3-2	10	6.7
B-3-4	20	ND
B-3-6	30	ND
Note: ND = Not detected		

Mr. Kyle Christie
January 28, 1991
Page 3

Project T3325.01

CONCLUSIONS AND RECOMMENDATIONS

- Based on the most stringent TPH soil clean-up concentration in the Oregon Matrix (OAR 340-122-205 through OAR 340-12-360) of 40 ppm, no concentrations of TPH were detected in exceedence of this limit.
- SE/E recommends no further action at present because there is no detected evidence of a release exceeding clean-up standards.
- SE/E recommends normal Matrix sampling protocol be followed when the tanks are removed in 1991.

SE/E appreciates the opportunity to provide environmental services to ARCO. If you have any questions please call us.

Sincerely,

Sweet-Edwards/EMCON, Inc.



Tom Gruszczenski, P.E.
Engineer



Robert A. Dixon, P.E.
Supervising Engineer

dp

Enc: Limitations
Figure 1
Appendices A and B

cc/enc: Mr. Chris Winsor, Arco - LA
✓ Mr. Tim Todd, DEQ - Portland

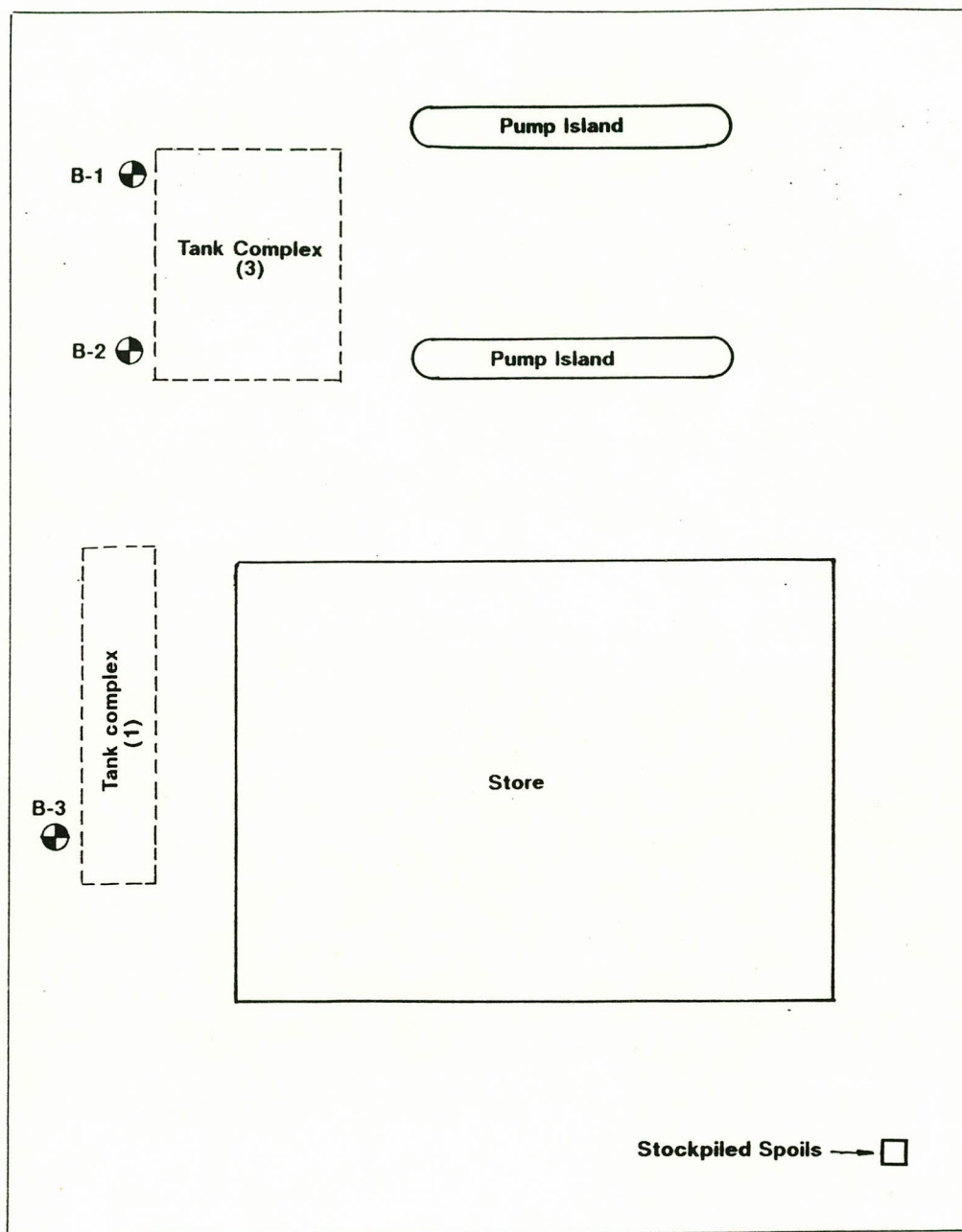
LIMITATIONS

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.

N LOMBARD ST.

N PORTSMOUTH AVE.



⊕ Boring Location

APPROXIMATE SCALE: 1" = 20'



Sweet-Edwards
EMCON

ARCO SERVICE STATION #6118
N Lombard St.
Portland, Oregon
Site Map

Figure 1

DATE 12/89
DWN. ct
APPR. RAD
REVIS. 1/91
PROJECT NO.
T3325.01

Appendix A
SOIL BORING LOGS

LOG OF EXPLORATORY BORING

PROJECT NAME ARCO Service Station #6118
 LOCATION Portland, Oregon
 DRILLED BY GeoTech Explorations
 DRILL METHOD H.S. Auger
 LOGGED BY T. Gruszczenski

BORING NO. B-1
 PAGE 1 OF 1
 REFERENCE ELEV. 141' ±
 TOTAL DEPTH 31.50'
 DATE COMPLETED 10/31/89

SAMPLE NUMBER	RECOVERY PERCENT	BLOW COUNTS	GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	WELL DETAILS	LITHO- LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								0-1' ASPHALT & GRAVEL SUBBASE.
								1-3' SILT, red-brown with fragments red brick.
B-1-1	89%	3-3-5		5				3-8' SAND, brown.
B-1-2	89%	7-10-12		10				8-17' SAND, tan, black and white.
B-1-3	78%	5-9-12		15				17-31.5' GRAVEL, sandy.
B-1-4	67%	7-17-20		20				
B-1-5	72%	7-16-16		25				
B-1-6	72%	11-18-20		30				
				35				Boring completed at 31.5'. Ground water not encountered. Boring backfilled with bentonite.

REMARKS



LOG OF EXPLORATORY BORING

PROJECT NAME ARCO Service Station #6118
 LOCATION Portland, Oregon
 DRILLED BY GeoTech Explorations
 DRILL METHOD H.S. Auger
 LOGGED BY T. Gruszczenski

BORING NO. B-2
 PAGE 1 OF 1
 REFERENCE ELEV. 141' ±
 TOTAL DEPTH 31.50'
 DATE COMPLETED 10/31/89

SAMPLE NUMBER	RECOVERY PERCENT	BLOW COUNTS	GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	WELL DETAILS	LITHO- LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								0-1' ASPHALT & GRAVEL SUBBASE
								1-8' SAND, brown.
B-2-1	67%	4-4-3		5				3-8' SAND, brown.
B-2-2	83%	8-10-12		10				8-17' SAND, tan, black and white.
B-2-3	78%	14-13-10		15				17-31.5' GRAVEL, sandy.
B-2-4	67%	8-18-18		20				
B-2-5	67%	9-12-21		25				
B-2-6	67%	10-12-11		30				
				35				Boring completed at 31.5'. Ground water not encountered. Boring backfilled with bentonite.

REMARKS



LOG OF EXPLORATORY BORING

PROJECT NAME ARCO Service Station #6118
 LOCATION Portland, Oregon
 DRILLED BY GeoTech Explorations
 DRILL METHOD H.S. Auger
 LOGGED BY T. Gruszczenski

BORING NO. B-3
 PAGE 1 OF 1
 REFERENCE ELEV. 141' ±
 TOTAL DEPTH 31.50'
 DATE COMPLETED 10/31/89

SAMPLE NUMBER	RECOVERY PERCENT	BLOW COUNTS	GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	WELL DETAILS	LITHO- LOGIC COLUMN	LITHOLOGIC DESCRIPTION
B-3-1	83%	3-5-6		5				0-1' ASPHALT & GRAVEL SUBBASE. 1-6' SILT, sandy, brown.
B-3-2	83%	12-12-12		10				6-17' SAND, tan, black and white.
B-3-3	83%	13-13-16		15				
B-3-4	89%	13-15-13		20				17-31.5' GRAVEL, sandy.
B-3-5	83%	7-13-15		25				
B-3-6	83%	15-15-13		30				
				35				Boring completed at 31.5'. Ground water not encountered. Boring backfilled with bentonite.

REMARKS



Appendix B

ANALYTICAL LABORATORY RESULTS

RECEIVED
P. 11/21/89



COFFEY LABORATORIES, INC.

12423 N.E. WHITAKER WAY
PORTLAND, OR 97230
PHONE: (503) 254-1794
FAX: (503) 254-1452

November 15, 1989
Log # A891101-AS10
PO # T3325.01

Sweet-Edwards/Emcon
7504 SW Bridgeport Rd.
Portland, OR 97224
Attention: Rob Dixon

Sample(s) Collected: 10/31/89
Sample(s) Received: 11/1/89

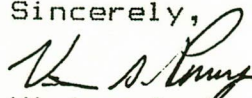
Analysis Requested: Total Petroleum Hydrocarbons in soil by
modified EPA Method 418.1

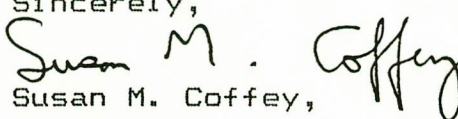
SAMPLE ID	SAMPLE RESULTS
Arco Spoils, 1500 hrs	14
B-1-2, 1100 hrs	3.2
B-1-4, 1100 hrs	6.1
B-1-6, 1100 hrs	4.4
B-1-6, Duplicate	7.1
B-2-2, 1330 hrs	8.8
B-2-4, 1330 hrs	2.1
B-2-6, 1330 hrs	2.0
B-3-2, 1500 hrs	6.7
B-3-4, 1500 hrs	ND
B-3-6, 1500 hrs	ND

Detection Limit: 2.0

Results expressed as mg/kg unless otherwise noted.

ND means none detected at or above the detection limit listed.

Sincerely,

Victor A. Perry,
Quality Assurance

Sincerely,

Susan M. Coffey,
President

SMC/mlh

This report is for the sole and exclusive use of the client. Samples are retained a maximum of 15 days from the report date, or until the maximum holding time expires.



Sweet-Edwards / EMCON, Inc.

Kelso, WA (206) 423-3580
Bothell, WA (206) 485-5000
Portland, OR (503) 624-7200

Chain of Custody / Laboratory Analysis Request

DATE 10/31 PAGE 1 OF 2

PROJECT <u>ARCO</u> # <u>73325.01</u>					ANALYSIS REQUESTED														GENERAL CHEMISTRY (Specify)				OTHER (Specify)		NUMBER OF CONTAINERS
CLIENT INFO. CONTACT <u>SE/E - MTD (ROB DIXON)</u>					BASE/NEU/ACID ORGAN. GC/MS/625/8270	VOLATILE ORGANICS GC/MS/624/8240	HALOGENATED VOLATILE ORGANICS 601/8010	PHENOLICS 604/8040	POLYNUCLEAR AROMATIC 610/8310	TOTAL ORGANIC CARBON (TOC) 415/9060	TOTAL ORGANIC HALIDE (TOX) 9020	EP TOX/TCLP METALS (Circle One)	METALS (TOTAL) (See Special Inst.)	TCLP ORGANICS	pH, COND ALK	NO ₃ /NO ₂ , Cl SO ₄	Ca, Mg, Na, K								
SAMPLE I.D.	DATE	TIME	LAB I.D.	TYPE																					
1. ARCO SPILLS	10/31	1500		SOIL														X			1				
2. B-1-2	10/31	1100		SOIL														X			1				
3. B-1-4	10/31	1100		SOIL														X			1				
4. B-1-6	10/31	1100		SOIL														X			1				
5. B-2-2	10/31	1330		SOIL														X			1				
6. B-2-4	10/31	1330		SOIL														X			1				
7. B-2-6	10/31	1330		SOIL														X			1				
8. B-3-2	10/31	1500		SOIL														X			1				

Relinquished By Sweet, Edwards & Assoc.		Relinquished By		PROJECT INFORMATION		SAMPLE RECEIPT	
Signature <u>Robert A. Dixon</u>	Signature	Signature		Shipping I.D. No.		Total No. of Containers	
Printed Name <u>SE/E</u>	Printed Name	Printed Name		VIA		Chain of Custody Seals	
Firm <u>11/1/89 11:20am</u>	Firm	Firm		Project		Received in good condition	
Date/Time	Date/Time	Date/Time				LAB NO.	

Received By		Received By		SPECIAL INSTRUCTIONS/COMMENTS	
Signature <u>Walter L. Howell</u>	Signature	Signature		<u>Send Results and Billing to</u> <u>SE/E PORTLAND</u> <u>ATTN: ROB DIXON</u>	
Printed Name <u>Walter L. Howell</u>	Printed Name	Printed Name			
Firm <u>11/1/89 11:23AM</u>	Firm	Firm			
Date/Time	Date/Time	Date/Time			

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator.

S-E/E 400-05



Sweet-Edwards / EMCON, Inc.

Kelso, WA (206) 423-3580
Bothell, WA (206) 485-5000
Portland, OR (503) 624-7200

Chain of Custody / Laboratory Analysis Request

DATE

10/31

PAGE

2

OF

2

PROJECT <u>ALCO</u> # <u>73325.01</u>					ANALYSIS REQUESTED															GENERAL CHEMISTRY (Specify)					OTHER (Specify)					NUMBER OF CONTAINERS
CLIENT INFO. CONTACT <u>SE/E-PTCD (ROB DIXON)</u>					BASE/NEU/ACID ORGAN. GC/MS/625/8270	VOLATILE ORGANICS GC/MS/624/8240	HALOGENATED VOLATILE ORGANICS 601/8010	PHENOLICS 604/8040	POLYNUCLEAR AROMATIC 610/8310	TOTAL ORGANIC CARBON (TOC) 415/9060	TOTAL ORGANIC HALIDE (TOX) 9020	EP TOX/TCLP METALS (Circle One)	METALS (TOTAL) (See Special Inst.)	TCLP ORGANICS	pH, COND ALK	NO ₃ /NO ₂ , Cl SO ₄	Ca, Mg, Na, K													
SAMPLE I.D.	DATE	TIME	LAB I.D.	TYPE																										
1. B-3-4	10/31	1500		soil																				1						
2. B-3-6	10/31	1500		soil																				1						
3.																														
4.																														
5.																														
6.																														
7.																														
8.																														

Relinquished By Sweet, Edwards & Assoc.		Relinquished By		Relinquished By		PROJECT INFORMATION		SAMPLE RECEIPT	
Signature	<u>Robert A. Dixon</u>	Signature		Signature		Shipping I.D. No.		Total No. of Containers	
Printed Name	<u>ROBERT A. DIXON</u>	Printed Name		Printed Name		VIA		Chain of Custody Seals	
Firm	<u>SE/E</u>	Firm		Firm		Project		Received in good condition	
Date/Time	<u>11/1/89 11:20am</u>	Date/Time		Date/Time				LAB NO.	
Received By		Received By		Received By		SPECIAL INSTRUCTIONS/COMMENTS			
Signature	<u>Mary L. Howell</u>	Signature		Signature					
Printed Name	<u>MARY L. HOWELL</u>	Printed Name		Printed Name					
Firm	<u>SE/E</u>	Firm		Firm					
Date/Time	<u>11/1/89 11:23 A.M.</u>	Date/Time		Date/Time					

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator.

S-E/E 400-05

December 4, 1991

MR KYLE CHRISTIE
ARCO PETROLEUM PRODUCT COMPANY
PO BOX 5811
SAN MATEO CA 94402

Re: Arco Station #6118
File No. 26-91-060

Dear Mr. Christie:

The Department of Environmental Quality has completed its review of the Sweet-Edwards/EMCON, Inc. report dated January 28, 1991, regarding the soil borings and laboratory testing of soil samples collected at Arco Station #6118 located at the corner of NW Lombard and NW Portsmouth Streets, Portland, Oregon. The Department has determined that there appears to be no evidence of a petroleum release exceeding current cleanup standards and that no further action is required at this time.

This determination is a result of our evaluation and judgement based on the regulations and facts as we now understand them, including:

1. Three soil borings were drilled adjacent to the tank complex and soil samples collected from each boring at five foot intervals down to 30 feet.
2. Nine soil samples were analyzed using EPA Method 418.1. The highest concentration of petroleum hydrocarbons was 14 parts per million (ppm). This result is below the most stringent cleanup level of 40 ppm for gasoline and 100 ppm for diesel.
3. Groundwater was not encountered in the borings.

The Department's determination will not be applicable if new or undisclosed facts show that the investigation does not comply with the Department's rules. The Department's determination also does not apply to any conditions at the site other than the results of the soil borings and subsequent soil sampling addressed in the report. We recommend that a copy of this information be kept with the permanent facility records.



811 SW Sixth Avenue
Portland, OR 97204-1390
(503) 229-5696



MR KYLE CHRISTIE
December 4, 1991
Page Two

Please note that pursuant to OAR 340-122-360(2), a copy of your report must be retained until ten (10) years after the first transfer of the property.

It is the Department's understanding that as of this date the tanks remain onsite and have not been decommissioned as suggested they would be in the January 28, 1991, report. Please notify the Department if new information arises regarding the USTs at this site. If you have any questions, please contact me at (503) 229-5245.

Sincerely,

Sharon M. Hays

Sharon M. Hays
UST Cleanup Specialist
Northwest Region

cc: UST Cleanup Section-ECD
Sweet Edwards/ECON, Inc.
P.O. Box 1648

Tualatin, OR 97062
Attn: Tom Gruszczenski, P.E.

UNDERGROUND STORAGE TANK CLEANUP REPORT EVALUATION WORKSHEET

File Number: 26-91-060

Date Evaluated: 12/3/91

Site Name : ARCO # 6118

Evaluated By: SMT

N/A TPH-HCID conducted on contaminated sample
type of product detected: gasoline diesel
 fuel oil waste oil Other ()

NO Matrix Evaluation
cleanup level: 1 2 3

Gasoline Contamination

NO TPH-G analysis
Highest concentration ppm

Diesel Contamination (or heavier)

YES TPH-D (or TPH-418.1) analysis
Highest concentration 14 ppm

3-BORINGS, 9 soil samples
analyzed 418.1

Waste Oil Contamination

 TPH-418.1 analysis
Highest concentration ppm
 EPA Method 8010 (or 8240):
(hal. vol.)
 EPA Method 8020 (or 8240):
(BTEX)
 EPA Method 8080:
(PCB)
 TCLP for Cd, Cr, Pb:

Groundwater Information

 Groundwater
 BETX on soil
Highest Results (ppm): B T E X
 BETX on H₂O
Highest Result (ppb): B T E X
 Sheen on H₂O initially
 Sheen after cleanup
 PAH analysis on H₂O for diesel or heavier contamination?
Results ppb

General Information

Pocket of contamination left in place

Pocket sampled

Highest Concentration ppm

Size and extent of the pocket described/defined

Volume of remaining contamination yd³

Matrix check list enclosed

Matrix Scoresheet enclosed

Analytical results for all sampling enclosed

Test methods appropriate

Chain-of-custody forms enclosed

Site sketch enclosed w/sample locations marked

Soil permit addendum or soil disposal documentation enclosed

Onsite treatment

Offsite treatment

Site address

Offsite disposal?

Disposal location

Volume of soil excavated cu. yds.

Tank disposal documentation enclosed

Disposal Location

Product, waste water, and sludge (circle appropriate material) disposal receipts enclosed

Disposal location(s)

Additional information to request:

3 BORINGS, 2 TANK COMPLEXES. Highest TPH from 418.1 = 14 ppm

Talked to SEFE-- They did not deem tanks this year. As far as they know, tanks still there

TELEPHONE USE REPORT

CALL FROM/TO: Tom Gruszczewski

DATE: 12/3/91

COMPANY/TITLE: Sweet Edwards/Emcon

TIME: _____

PHONE NO.: 624-7200

(Circle for filing)

CITY: _____ COUNTY: _____

AQ Asbestos

WQ OSS

SW HW

General Spill

SUMMARY OF CALL:

1435

Re: APOD #6118 regarding if tanks were
pulled in 1991 as stated they would
be in the borings borings report. Tom
will call me back.

1530 A 12/03/91 To the best of SE/E's
knowledge, tanks are still in ground.

Sharon M. Hays
 Signature

February 12, 1991

Kyle Christie
Arco
P.O. Box 5811
San Mateo, CA 44402

RE: UST - Multnomah County
File Name: Arco Sta.# 6118
File No. 26-91-060

Dear Mr.Christie:

As required by Oregon Administrative Rules (OAR), a release has been reported from an underground storage tank (UST) system at your facility. This initial information indicates that groundwater was not encountered and that the concentration of contamination discovered may be less than 40 parts per million (ppm) of Total Petroleum Hydrocarbons (TPH).

40 ppm TPH is the most stringent cleanup level established by OAR 340-122-205 through 340-122-360 for simple soil cleanups. Cleanup is not required for those sites with contamination below the 40 ppm level. However, the Department requires that a report be submitted that documents the contamination levels found. The report should include 1) a brief narrative of activities at the site and 2) a copy of the analytical data for all samples collected. Once we receive your report that verifies the contamination detected was below the 40 ppm cleanup level, and that the requirements of OAR 340-122-205 through 360 were met, a letter will be sent to you that indicates that no further action is required at your facility.

If you have any questions, or would like a copy of the regulations, please contact Catherine Blaine at 229-6385.

Sincerely,

UST CLEANUP SECTION
Northwest Region

cc: UST Cleanup Section, ECD



811 SW Sixth Avenue
Portland, OR 97204-1390
(503) 229-5696

