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TRANSMITTAL

TO: Mr. Donald Hwang
 Alameda County Health Care Services
 1131 Harbor Bay Parkway
 Alameda, CA 94502

DATE: January 30, 2004
 PROJECT NO. 06-459-1156-02
 SUBJECT: County

76 Service Station 1156
 Oakland, California

FEB 03 2004

From: Jeremy Smith

Environmental Health

WE ARE SENDING YOU:

COPIES	DATED	DESCRIPTION
1	1/30/04	Fourth Quarter Site Status Report

THESE ARE TRANSMITTED as checked below:

- For review and comment
- As Requested
- For Approval
- Approved as submitted
- Approved as noted
- Returned for corrections
- For your files
- For your use
- As noted below

COMMENTS:

Attached is a copy of the Fourth Quarter 2003 Site Status Report for the above referenced site.

Signed: _____

COPIES TO: Mr. Thomas Kosel, ConocoPhillips, 76 Broadway, Sacramento, CA 95818
 Mr. Bob Hale, Alameda County Public Works Agency, Water Resources Section, 951
 Turner Court, Suite 300, Hayward, CA 94545



NO 409

January 30, 2004

Mr. Donald Hwang
Alameda County Health Care Services
1131 Harbor Bay Parkway
Alameda, CA 94502

Alameda County

FEB 08 2004

SITE: 76 SERVICE STATION NO. 1156
4276 MACARTHUR BOULEVARD
OAKLAND, CALIFORNIA
COP NO. WNO.1112

Environmental Health

RE: **FOURTH QUARTER 2003 SITE STATUS REPORT**

Dear Mr. Hwang:

Miller Brooks Environmental, Inc. (Miller Brooks), on behalf of ConocoPhillips Company (ConocoPhillips), submits this quarterly site status report for 76 Service Station No. 1156, located at 4276 MacArthur Blvd., Oakland, California. This status report is submitted in accordance with the request of the San Francisco Bay – Regional Water Quality Control Board (RWQCB).

BACKGROUND

- In 1998, Tosco Marketing Company (Tosco) removed one 280-gallon used-oil underground storage tank (UST) and removed and replaced two 10,000-gallon gasoline USTs and associated piping and dispensers. Laboratory analyses of samples collected during the work detected concentrations of petroleum hydrocarbons and related constituents in soil and groundwater beneath the site.
- In 1999, Environmental Resolutions Inc. (ERI) performed a soil and groundwater evaluation including the installation of four on-site groundwater monitoring wells (MW1 through MW4). The results of the investigation indicated that the extent of petroleum hydrocarbons in soil and groundwater was not delineated.
- In July 2001, ERI installed a UST cavity backfill well (TP1) and initiated regular purging of groundwater from the UST cavity.
- In August 2001, ERI installed three off-site groundwater monitoring wells (MW5 through MW7). Total petroleum hydrocarbons as gasoline (TPHg) and methyl tertiary butyl ether (MTBE) were not detected in the soil samples and benzene was only detected in one soil sample at a concentration of 0.18 milligrams per kilogram (mg/kg).

REMEDIAL ACTIVITIES SUMMARY

- Approximately 1,350 tons of soil and backfill were removed during the 1998 UST removal.
- As of September 29, 2003, approximately 254,130 gallons of groundwater have been purged from the site during the groundwater purging events.

FOURTH QUARTER 2003 ACTIVITIES

The fourth quarter groundwater sampling event for the site was performed by TRC. A groundwater Monitoring and Sampling Report was submitted by Gettler-Ryan Inc. for the third quarter event. In addition, bi-monthly groundwater purging events from well TP-1 continued.

WASTE DISPOSAL SUMMARY

Groundwater removed during bi-monthly purging activities was treated and disposed of at the ConocoPhillips refinery located in Rodeo, California.

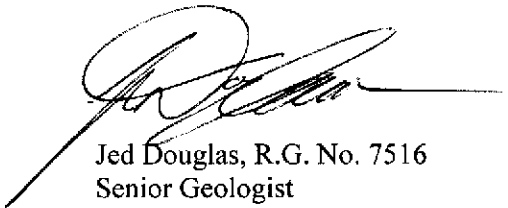
PLANNED ACTIVITIES FOR FIRST QUARTER 2004

The well network will be sampled and a Groundwater Monitoring and Sampling Report will be submitted by TRC. In addition, bi-monthly groundwater purging events will continue at the site. Pending approval of the May 2003 Work Plan submitted by ERI, Miller Brooks plans to advance the 8 proposed offsite soil borings.

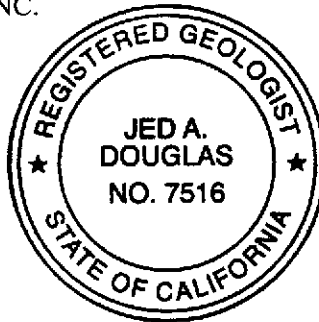
If you have any questions, please contact Mr. David Vossler at (707) 765-0466 or Mr. Thomas Kosel of ConocoPhillips at (916) 558-7666 or (918) 661-3896 (Bartlesville, OK).

Sincerely,

MILLER BROOKS ENVIRONMENTAL, INC.

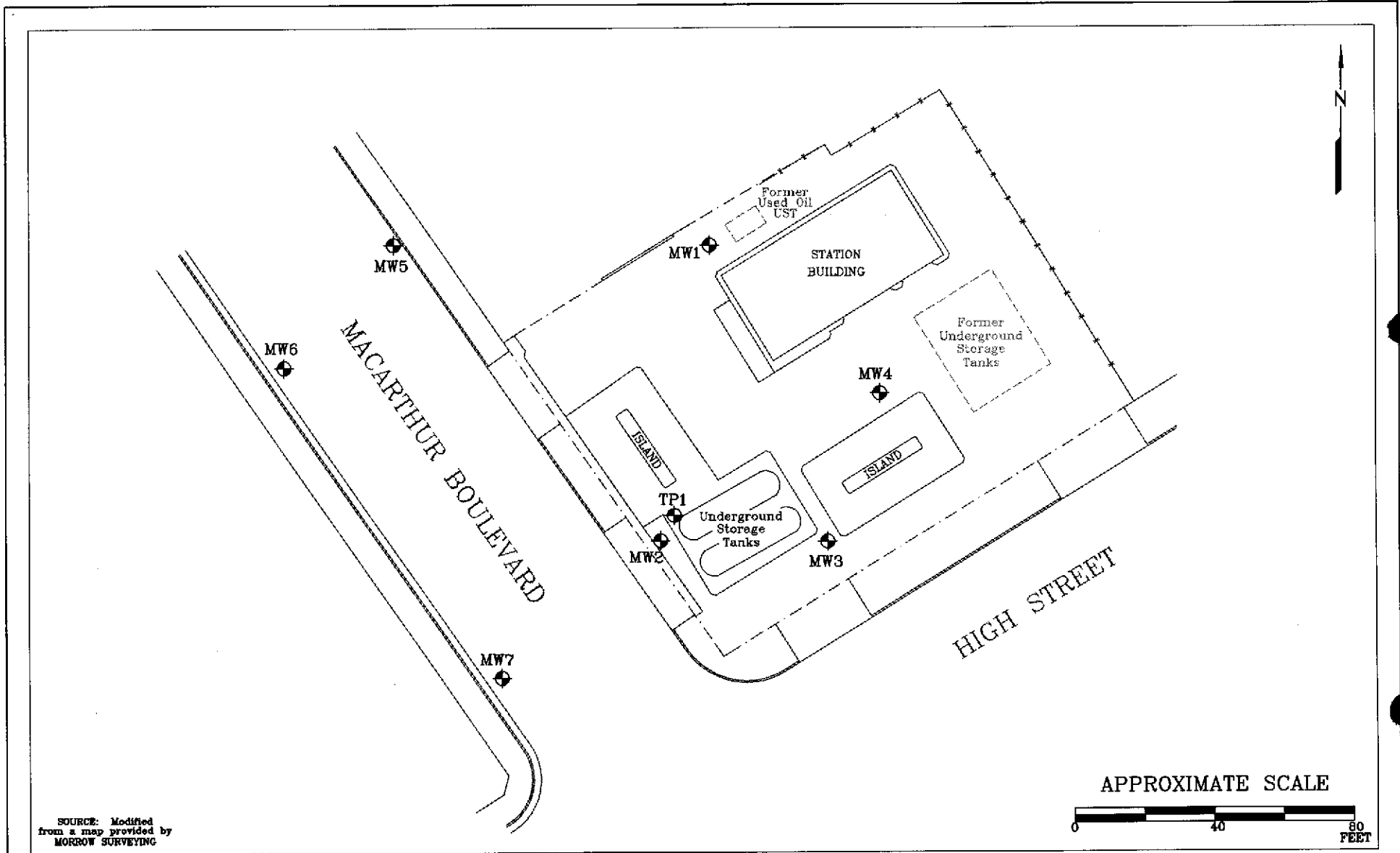


Jed Douglas, R.G. No. 7516
Senior Geologist



Attachment: Site Plan

cc: Mr. Thomas Kosel, ConocoPhillips
Mr. Bob Hale, Alameda County Public Works Agency, Water Resources Section,
951 Turner Court, Suite 300, Hayward, CA 94545



SOURCE: Modified from a map provided by MORROW SURVEYING

FN 2235003A



GENERALIZED SITE PLAN

76 SERVICE STATION 1156
4276 MacArthur Boulevard
Oakland, California

EXPLANATION

- MW7 Groundwater Monitoring Well
- TP1 Tank Pit Backfill Well

PROJECT NO.

2235

PLATE

2

December 19, 2001

QUARTERLY SUMMARY REPORT

Third Quarter 2001

(July - September)

TOSCO 76 SERVICE STATION 1156

4276 MacArthur Boulevard

Oakland, California

City/County ID: City of Oakland/Alameda County

Lead Agency: Alameda County Department of Environmental Health

BACKGROUND

In 1998, Tosco Marketing Company (Tosco) removed one 280-gallon used-oil underground storage tank (UST) and removed and replaced two 10,000-gallon gasoline USTs and associated piping and dispensers. Laboratory analyses of samples collected during the work detected concentrations of petroleum hydrocarbons and related constituents in soil and groundwater beneath the site. Tosco performed remedial excavation of approximately 1,350 tons of soil and backfill. The excavated material was disposed at Forward Landfill in Manteca, California.

In 1999, at the request of Tosco, ERI performed a soil and groundwater evaluation including the installation of four on-site groundwater monitoring wells. The results of the investigation indicated that the extent of petroleum hydrocarbons in soil and groundwater was not delineated.

In 2000, ERI submitted *Work Plan for Supplemental Evaluation of Soil and Groundwater* (Work Plan). The Work Plan proposed installation of off-site groundwater monitoring wells, completion of a groundwater receptor survey, and initiation of a site conceptual model. The Work Plan was approved by the Alameda County Health Care Services Agency.

RECENT QUARTER ACTIVITIES

- Performed quarterly groundwater monitoring, sampling, and reporting.
- Installed a UST cavity backfill well and initiated regular purging of groundwater from the UST cavity. As of September 20, 2001, a total of 23,500 gallons of hydrocarbon-impacted groundwater were extracted from the UST cavity and 600 gallons of hydrocarbon-impacted groundwater were extracted from monitoring well MW1. The water was transported to the Tosco Refinery in Rodeo, California, for treatment and disposal.
- Installed three off-site groundwater monitoring wells in accordance with the Work Plan.

NEXT QUARTER ACTIVITIES

- Continue quarterly groundwater monitoring, sampling, and reporting.
- Continue regular purging of groundwater from the UST cavity, and transportation to the Tosco Refinery for treatment and disposal.
- Complete the scope of work outlined in the Work Plan and submit a site evaluation report including well installation and sampling, groundwater receptor survey, and site conceptual model.

CHARACTERIZATION/REMEDIAL STATUS

Soil contamination delineated?	<u>No</u>
Dissolved groundwater delineated?	<u>No</u>
Free Product delineated?	<u>NA</u>
Amount of contaminant recovered to date?	<u>NA</u>
Soil remediation in progress?	<u>1,352 tons removed</u>
Dissolved/free product remediation in progress?	<u>NA</u>

CONSULTANT:

Environmental Resolutions, Inc.

Groundwater conc. ppb

4276 Mac HWY Blvd, Oakland

DATE	WELL MW-1	chlorobenzene	1,2-DCA	cis 1,2-DCE	2-Methylnaphthalene	Naphthalene	PCE						
7/24/99	700 12	<25 20	<25 3.6	240	600	<50 <25							
9/28/99	<200	<200	<200	87.4	293 534	<200							
1/7/00	<250	<250	<250	315	1050 615	<250							
3/31/00	NA	NA	NA	73	140	NA							
7/14/00	<250	<250	<250	300	690	334							
10/3/00	<500	<500	<500	98	361	<500							
4/3/01	<50	<100	<50	180	400	<50							
4/4/01	5.6	5.7 5.7	3.4	78	490	<.6							
7/17/01	<250	<250	<250	290	740	<250							

Oak Tier 1
RBSL, GW
to indoor
air
ingestion

2400	720	35,000	>SOL	>SOL	200
70	.50	6.0	630	20	5
PRG-Top Water	39	.12	61	-	240

1,2-DCA and Naphthalene
exceed GW ingestion RBSLs

QUARTERLY SUMMARY REPORT

Second Quarter 2001

(April - June)

TOSCO 76 SERVICE STATION 1156

~~4276~~ MacArthur Boulevard
Oakland, California

City/County ID: City of Oakland/Alameda County

Lead Agency: Alameda County Department of Environmental Health

BACKGROUND

In 1998, Tosco Marketing Company (Tosco) removed one 280-gallon used-oil underground storage tank (UST) and removed and replaced two 10,000-gallon gasoline USTs and associated piping and dispensers. Laboratory analyses of samples collected during the work detected concentrations of petroleum hydrocarbons and related constituents in soil and groundwater beneath the site. Tosco performed remedial excavation of approximately 1,350 tons of soil and backfill. The excavated material was disposed at Forward Landfill in Manteca, California.

In 1999, at the request of Tosco, ERI performed a soil and groundwater evaluation including the installation of four groundwater monitoring wells. The results of the investigation indicated that the extent of petroleum hydrocarbons in soil and groundwater was not delineated. During third quarter 2000, ERI submitted *Work Plan for Supplemental Evaluation of Soil and Groundwater* to the appropriate regulatory agencies.

RECENT QUARTER ACTIVITIES

Performed quarterly groundwater monitoring, sampling, and reporting. Continued implementation of the scope of work outlined in the Work Plan, which includes installation of three off-site groundwater monitoring wells, a groundwater receptor survey, and a site conceptual model.

NEXT QUARTER ACTIVITIES

Continue quarterly groundwater monitoring, sampling, and reporting. **Install three off-site groundwater monitoring wells and prepare report/site conceptual model.**

CHARACTERIZATION/REMEDIAL STATUS

Soil contamination delineated?	<u>No</u>
Dissolved groundwater delineated?	<u>No</u>
Free Product delineated?	<u>NA</u>
Amount of contaminant recovered to date?	<u>NA</u>
Soil remediation in progress?	<u>1,352 tons removed</u>
Dissolved/free product remediation in progress?	<u>NA</u>

CONSULTANT:

Environmental Resolutions, Inc.

223501.2QS

QUARTERLY SUMMARY REPORT

First Quarter 2001
(January - March)

TOSCO 76 SERVICE STATION 1156
4276 MacArthur Boulevard
Oakland, California

City/County ID: City of Oakland/Alameda County

Lead Agency: Alameda County Department of Environmental Health

BACKGROUND

In 1998, Tosco Marketing Company (Tosco) removed one 280-gallon used-oil underground storage tank (UST) and removed and replaced two 10,000-gallon gasoline USTs and associated piping and dispensers. Laboratory analyses of samples collected during the work detected concentrations of petroleum hydrocarbons and related constituents in soil and groundwater beneath the site. Tosco performed remedial excavation of approximately 1,350 tons of soil and backfill. The excavated material was disposed at Forward Landfill in Manteca, California.

In 1999, at the request of Tosco, ERI performed a soil and groundwater evaluation including the installation of four groundwater monitoring wells. The results of the investigation indicated that the extent of petroleum hydrocarbons in soil and groundwater was not delineated. During third quarter 2000, ERI submitted *Work Plan for Supplemental Evaluation of Soil and Groundwater* to the appropriate regulatory agencies.

RECENT QUARTER ACTIVITIES

Performed quarterly groundwater monitoring, sampling, and reporting. Initiated implementation of the scope of work outlined in the Work Plan including drilling and encroachment permitting.

NEXT QUARTER ACTIVITIES

Continue quarterly groundwater monitoring, sampling, and reporting. Install three off-site groundwater monitoring wells and prepare report/site conceptual model.

CHARACTERIZATION/REMEDIAL STATUS

Soil contamination delineated?	<u>No</u>
Dissolved groundwater delineated?	<u>No</u>
Free Product delineated?	<u>NA</u>
Amount of contaminant recovered to date?	<u>NA</u>
Soil remediation in progress?	<u>1,352 tons removed</u>
Dissolved/free product remediation in progress?	<u>NA</u>

CONSULTANT: Environmental Resolutions, Inc.

QUARTERLY SUMMARY REPORT

Fourth Quarter 2000

(October - December)

TOSCO 76 SERVICE STATION 1156

4276 MacArthur Boulevard

Oakland, California

City/County ID: City of Oakland/Alameda County

Lead Agency: Alameda County Department of Environmental Health

BACKGROUND

In 1998, Tosco Marketing Company (Tosco) removed one 280-gallon used-oil underground storage tank (UST), removed and replaced two 10,000-gallon gasoline USTs, and associated piping and dispensers. Laboratory analyses of samples collected during the work detected concentrations of petroleum hydrocarbons and related constituents in soil and groundwater beneath the site. Tosco performed remedial excavation of approximately 1,350 tons of soil and backfill. The excavated material was disposed at Forward Landfill in Manteca, California.

In 1999, at the request of Tosco, ERI performed a soil and groundwater evaluation including the installation of four groundwater monitoring wells. The results of the investigation indicated that the extent of petroleum hydrocarbons in soil and groundwater was not delineated. During third quarter 2000, ERI submitted *Work Plan for Supplemental Evaluation of Soil and Groundwater* (Work Plan) to the appropriate regulatory agencies.

RECENT QUARTER ACTIVITIES

Performed quarterly groundwater monitoring, sampling, and reporting.

NEXT QUARTER ACTIVITIES

Continue quarterly groundwater monitoring, sampling, and reporting. Implement Work Plan including installing three off-site groundwater monitoring wells and preparing report/site conceptual model.

CHARACTERIZATION/REMEDIAL STATUS

Soil contamination delineated?	<u>No</u>
Dissolved groundwater delineated?	<u>No</u>
Free Product delineated?	<u>NA</u>
Amount of contaminant recovered to date?	<u>NA</u>
Soil remediation in progress?	<u>1,352 tons removed</u>
Dissolved/free product remediation in progress?	<u>NA</u>

CONSULTANT: Environmental Resolutions, Inc.

QUARTERLY SUMMARY REPORT

Third Quarter 2000
(July - September)

TOSCO 76 Service Station 1156
4276 MacArthur Boulevard
Oakland, California

City/County ID: City of Oakland/Alameda County

Lead Agency: Alameda County Department of Environmental Health

BACKGROUND

In 1998, Tosco Marketing Company (Tosco) removed one 280-gallon used-oil underground storage tank (UST), removed and replaced two 10,000-gallon gasoline USTs, and associated piping and dispensers. Laboratory analyses of samples collected during the work detected concentrations of petroleum hydrocarbons and related constituents in soil and groundwater beneath the site. Tosco performed remedial excavation of approximately 1,350 tons of soil and backfill. The excavated material was disposed at Forward Landfill in Manteca, California.

In 1999, at the request of Tosco, ERI performed a soil and groundwater evaluation including the installation of four groundwater monitoring wells. Laboratory analyses of soil samples collected from the borings detected up to 6,800 ppm TPPHg, 2.6 ppm benzene, 140 ppm TEPHd, 73 ppm TRPH, and 0.71 ppm MTBE. Results of laboratory analysis of groundwater samples collected from the groundwater monitoring wells detected TPPHg up to 120,000 ppb, benzene up to 11,000 ppb, TEPHd at 16,000 ppb, and MTBE up to 11,000 ppb.

RECENT QUARTER ACTIVITIES

Performed quarterly groundwater monitoring, sampling, and reporting. Submitted *Work Plan for Supplemental Evaluation of Soil and Groundwater* (Work Plan) to the appropriate regulatory agencies.

NEXT QUARTER ACTIVITIES

Continue quarterly groundwater monitoring, sampling, and reporting. Implement Work Plan including installing three off-site groundwater monitoring wells and preparing report/site conceptual model.

CHARACTERIZATION/REMEDIAL STATUS

Soil contamination delineated?	<u>No</u>
Dissolved groundwater delineated?	<u>No</u>
Free Product delineated?	<u>NA</u>
Amount of contaminant recovered to date?	<u>NA</u>
Soil remediation in progress?	<u>1,352 tons</u>
Dissolved/free product remediation in progress?	<u>NA</u>

CONSULTANT: Environmental Resolutions, Inc.

QUARTERLY SUMMARY REPORT

First Quarter 2000

(January - March)

TOSCO 76 Service Station 1156
4276 MacArthur Boulevard
Oakland, California

City/County ID: City of Oakland/Alameda

County: Alameda County Department of Environmental Health

BACKGROUND

During March 1998, Tosco removed one 280-gallon used-oil underground storage tank (UST), removed and replaced two 10,000-gallon gasoline USTs, product piping, and product dispensers, and excavated and disposed of approximately 1,350 tons of soil and backfill. Laboratory analyses of soil samples collected from the limits of the UST cavities during removal of the USTs detected concentrations of residual gasoline hydrocarbons up to 1,200 parts per million (ppm) total purgeable petroleum hydrocarbons as gasoline (TPPHg), up to 78,000 ppm total extractable petroleum hydrocarbons as diesel (TEPHd), and up to 8,400 ppm total recoverable petroleum hydrocarbons (TRPH). Laboratory analyses of groundwater samples collected from the fuel UST cavity detected TPPHg at 41,000 parts per billion (ppb) and methyl tertiary butyl ether (MTBE) at 1,800 ppb.

During third quarter 1999, ERI drilled four soil borings and installed groundwater monitoring wells MW1 through MW4 in the borings. Results of laboratory analysis of soil samples collected from the borings detected up to 6,800 ppm TPPHg, 2.6 ppm benzene, 140 ppm TEPHd, 73 ppm TRPH, and 0.71 ppm MTBE. Results of laboratory analysis of groundwater samples collected from the groundwater monitoring wells detected TPPHg up to 120,000 ppb, benzene up to 11,000 ppb, TEPHd at 16,000 ppb, and MTBE up to 11,000 ppb.

RECENT QUARTER ACTIVITIES

Performed quarterly groundwater monitoring, sampling, and reporting.

NEXT QUARTER ACTIVITIES

Continue quarterly groundwater monitoring, sampling, and reporting.

CHARACTERIZATION/REMEDIAL STATUS

Soil contamination delineated?	<u>No</u>
Dissolved groundwater delineated?	<u>No</u>
Free Product delineated?	<u>NA</u>
Amount of contaminant recovered to date?	<u>NA</u>
Soil remediation in progress?	<u>1,351.7 tons</u>
Dissolved/free product remediation in progress?	<u>NA</u>

CONSULTANT: Environmental Resolutions, Inc.

QUARTERLY SUMMARY REPORT

Fourth Quarter 1999

(October - December)

TOSCO 76 Service Station 1156

4276 MacArthur Boulevard

Oakland, California

City/County ID: City of Oakland/Alameda

County: Alameda County Department of Environmental Health

BACKGROUND

During March 1998, Tosco removed one 280-gallon used-oil underground storage tank (UST), removed and replaced two 10,000-gallon gasoline USTs, product piping, and product dispensers, and excavated and disposed of approximately 1,350 tons of soil and backfill. Laboratory analyses of soil samples collected from the limits of the UST cavities during removal of the USTs detected concentrations of residual gasoline hydrocarbons up to 1,200 parts per million (ppm) total purgeable petroleum hydrocarbons as gasoline (TPPHg), up to 78,000 ppm total extractable petroleum hydrocarbons as diesel (TEPHd), and up to 8,400 ppm total recoverable petroleum hydrocarbons (TRPH). Laboratory analyses of groundwater samples collected from the fuel UST cavity detected TPPHg at 41,000 parts per billion (ppb) and methyl tertiary butyl ether (MTBE) at 1,800 ppb.

During third quarter 1999, ERI drilled four soil borings and installed groundwater monitoring wells MW1 through MW4 in the borings. Results of laboratory analysis of soil samples collected from the borings detected up to 6,800 ppm TPPHg, 2.6 ppm benzene, 140 ppm TEPHd, 73 ppm TRPH, and 0.71 ppm MTBE. Results of laboratory analysis of groundwater samples collected from the groundwater monitoring wells detected TPPHg up to 120,000 ppb, benzene up to 11,000 ppb, TEPHd at 16,000 ppb, and MTBE up to 11,000 ppb.

RECENT QUARTER ACTIVITIES

Submitted the *Evaluation of Soil and Groundwater* (ERI, October 11, 1999) report to regulatory agencies. Initiated quarterly groundwater monitoring, sampling, and reporting.

NEXT QUARTER ACTIVITIES

Continue quarterly groundwater monitoring, sampling, and reporting.

CHARACTERIZATION/REMEDIAL STATUS

Soil contamination delineated?	<u>No</u>
Dissolved groundwater delineated?	<u>No</u>
Free Product delineated?	<u>NA</u>
Amount of contaminant recovered to date?	<u>NA</u>
Soil remediation in progress?	<u>1,351.7 tons</u>
Dissolved/free product remediation in progress?	<u>NA</u>

223599.4QS

QUARTERLY SUMMARY REPORT

Third Quarter 1999

(July - September)

TOSCO 76 Service Station 1156
4276 MacArthur Boulevard
Oakland, California

City/County ID: City of Oakland/Alameda

County: Alameda County Department of Environmental Health

BACKGROUND

During March 1998, Tosco removed one 280-gallon used-oil underground storage tank (UST), removed and replaced two 10,000-gallon gasoline USTs, product piping, and product dispensers, and excavated and disposed of approximately 1,350 tons of soil and backfill. Laboratory analyses of soil samples collected from the limits of the UST cavities during removal of the USTs detected concentrations of residual gasoline hydrocarbons up to 1,200 parts per million (ppm) total purgeable petroleum hydrocarbons as gasoline (TPPHg), up to 78,000 ppm total extractable petroleum hydrocarbons as diesel (TEPHd), and up to 8,400 ppm total recoverable petroleum hydrocarbons (TRPH). Laboratory analyses of groundwater samples collected from the fuel UST cavity detected TPPHg at 41,000 ppb and methyl tertiary butyl ether (MTBE) at 1,800 ppb.

RECENT QUARTER ACTIVITIES

ERI performed a preliminary on-site soil and groundwater investigation at the site.

NEXT QUARTER ACTIVITIES

Submit the soil and groundwater evaluation report to the regulatory agencies and initiate quarterly groundwater monitoring and sampling.

CHARACTERIZATION/REMEDIAL STATUS

Soil contamination delineated?	No
Dissolved groundwater delineated?	No
Free Product delineated?	NA
Amount of contaminant recovered to date?	NA
Soil remediation in progress?	1,351.7 tons
Dissolved/free product remediation in progress?	NA

CONSULTANT: Environmental Resolutions, Inc.

Site at 4300 MacArthur (which is now a closed w/c case) had Gw to WSW;
DTW ranged from 4.55' to 8.84' bgs.
In W/98 Gw w/ 5,600 ppb TPHg, 840 ppb benzene, ND-MTBE.

QUARTERLY SUMMARY REPORT

Second Quarter 1999

(April - June)

TOSCO 76 Service Station 1156

4276 MacArthur Boulevard

Oakland, California

City/County ID Oakland/Alameda

County: Alameda County Department of Environmental Health

BACKGROUND

During March 1998, Tosco removed one 280-gallon used-oil underground storage tank (UST), removed and replaced two 10,000-gallon gasoline USTs, product piping, and product dispensers, and excavated and disposed of approximately 1,350 tons of soil and backfill. Laboratory analyses of soil samples collected from the limits of the UST cavities during removal of the USTs detected concentrations of residual gasoline hydrocarbons up to 1,200 parts per million (ppm) total purgeable petroleum hydrocarbons as gasoline (TPPHg), up to 78,000 ppm total extractable petroleum hydrocarbons as diesel (TEPHd), and up to 8,400 ppm total recoverable petroleum hydrocarbons (TRPH). Laboratory analyses of groundwater samples collected from the fuel UST cavity detected TPPHg at 41,000 ppb and methyl tertiary butyl ether (MTBE) at 1,800 ppb.

RECENT QUARTER ACTIVITIES

- ERI submitted a Work Plan to Alameda County Department of Environmental Health Services (the County) and received Work Plan approval from the County in a letter dated May 17, 1999.
- ERI submitted and received approval to install four groundwater monitoring wells at the site in a letter dated June 10, 1999.

NEXT QUARTER ACTIVITIES

Install, develop, and sample on-site groundwater monitoring wells MW1 through MW4. Submit a soil and groundwater evaluation report.

CHARACTERIZATION/REMEDIAL STATUS

Soil contamination delineated?	<u>No</u>
Dissolved groundwater delineated?	<u>No</u>
Free Product delineated?	<u>NA</u>
Amount of contaminant recovered to date?	<u>NA</u>
Soil remediation in progress?	<u>1,350 tons</u>
Dissolved/free product remediation in progress?	<u>NA</u>

CONSULTANT:

Environmental Resolutions, Inc.

QUARTERLY SUMMARY REPORT

First Quarter 1999
(January - March)

TOSCO SERVICE STATION 1156

4276 MacArthur Boulevard
Oakland, California

City/County ID Oakland/City of Oakland Fire Services Agency

County: Alameda County

BACKGROUND

During March through April 1998, Tosco Marketing Company (Tosco) removed one 280-gallon used-oil underground storage tank (UST) and removed and replaced two gasoline USTs, product lines, and dispensers. ERI collected soil samples from beneath tanks and lines for analyses. Residual and dissolved hydrocarbons were detected in soil and groundwater, respectively, beneath the site. Laboratory analyses of soil samples collected from the former gasoline UST cavity and beneath dispensers detected concentrations of total purgeable petroleum hydrocarbons as gasoline (TPPHg) of up to 1,200 parts per million (ppm). Laboratory analyses of soil samples collected from the used-oil UST overexcavation detected TPPHg up to 130 ppm, total extractable petroleum hydrocarbons as diesel (TEPHd) up to 78,000 ppm, and total recoverable petroleum hydrocarbons (TRPH) up to 8,400 ppm. Laboratory analyses of the grab groundwater sample collected from the fuel UST cavity detected TPPHg and methyl tertiary butyl ether (MTBE) at 41,000 parts per billion (ppb) and 1,800 ppb, respectively.

RECENT QUARTER ACTIVITIES

No work performed.

NEXT QUARTER ACTIVITIES

Submit Work Plan for a soil and groundwater evaluation beneath the site.

CHARACTERIZATION/REMEDIAL STATUS

Soil contamination delineated?	<u>No</u>
Dissolved groundwater delineated?	<u>No</u>
Free Product delineated?	<u>NA</u>
Amount of gw contaminant recovered this quarter?	<u>NA</u>
Amount of soil contamination recovered this quarter?	<u>NA</u>
Cumulative contamination recovered since system startup?	<u>NA</u>
Soil remediation in progress?	<u>1351 tons</u>
Dissolved/free product remediation in progress?	<u>No</u>

CONSULTANT:

Environmental Resolutions, Inc. (223599.1qs)