GETTLER-RYAN INC.

ENVIRONMENTAL PROTECTION

98 JUN -8 PM 3:20

TRANSMITTAL

TO: Mr. Scott O. Seery
ACHCSA
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

DATE: May 22, 1998
PROJ. #: 140107.02
SUBJECT: Work Plan Addendum
Unocal Station No. 7376
Pleasanton, California

FROM:
David J. Vossler
Project Manager
Gettler-Ryan Inc.
7100 Redwood Blvd., Suite 104
Novato, California 94945

WE ARE SENDING YOU:

COPIES	DATED	DESCRIPTION
1	May 11, 1998	Work Plan Addendum Signature Page

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COMMENTS:

At the request, we are forwarding you a copy of the signature page for the Work Plan Addendum dated May 11, 1998 for the above site. **Please replace with the copy you received earlier.** The current schedule for the commencement of the field work is June 8th through 17th, 1998. If you have any questions, please call me in our Novato office at (415) 893-1515.

cc: Ms. Tina Berry, Tosco Marketing Company, San Ramon, Ca.

140107.02-1

GETTLER-RYAN INC.

ENVIRONMENTAL PROTECTION
98 MAY 21 PM 3:55

TRANSMITTAL

TO: Mr. Scott O. Seery
ACHCSA
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

DATE: May 11, 1998
PROJ. #: 6792.01
SUBJECT: Work Plan Addendum
Unocal Station No. 7376
Pleasanton, California

FROM:
David J. Vossler DJV
Project Manager
Gettler-Ryan Inc.
7100 Redwood Blvd., Suite 104
Novato, California 94945

WE ARE SENDING YOU:

COPIES	DATED	DESCRIPTION
1	May 11, 1998	Work Plan Addendum

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COMMENTS:

At the request of Tina Berry of Tosco Marketing Company, we are forwarding you a copy of the above listed document for your files. The current schedule for the commencement of the field work is June 8th through 17th, 1998. If you have any questions, please call me in our Novato office at (415) 893-1515.

cc: Ms. Tina Berry, Tosco Marketing Company, San Ramon, Ca.

140107.02-1

GETTLER-RYAN INC.

May 11, 1998

Ms. Tina Berry
Tosco Marketing Company
2000 Crow Canyon Place, Suite 400
San Ramon, California 94583

Subject: **Work Plan Addendum, Tosco 76 Branded Facility No. 7376, 4191 First Street, Pleasanton, California.**

Ms. Berry:

At the request of Tosco Marketing Company (Tosco), Gettler-Ryan Inc. (GR) has prepared this Work Plan Addendum to the Kaprealian Engineering Inc. (KEI) Work Plan/Proposal (KEI-P94-0903.P3) dated May 6, 1997 for the subject site.

During a meeting between the Alameda County Health Care Services Agency (ACHCSA), Tosco, and GR on April 10, 1998, it was agreed that the proposed monitoring well locations in the referenced KEI Work Plan, while defining lateral extent of hydrocarbon impact, did not adequately characterize the site hydrogeology, hydrocarbon source, and potential contaminant migration pathways at and in the vicinity of the subject site. In an attempt to further understand existing site conditions in the areas mentioned above, GR is proposing the following amended scope of work.

PROPOSED SCOPE OF WORK

Task 1. Additional Off-site Monitoring Wells

GR proposes the installation of two additional off-site monitoring wells, designated as MW-7 and MW-8 on the attached Site Plan, Figure 2. The purpose of the wells is to further define the extent of hydrocarbon-impacted soil and groundwater down gradient of the subject site. In addition, proposed well MW-7 will be used to further define the hydrogeology in the vicinity of existing well MW-5, in which the groundwater levels have been consistently anomalous with those in the other wells, and possibly completed in a localized perched zone.

Task 2. Additional On-site Soil Borings

In addition to the proposed monitoring wells, GR is proposing the drilling and sampling of five soil borings on-site, designated as B-8 through B-12 and shown on the attached Site Plan, Figure 1. The purpose of the borings is to further define subsurface lithology and extent of hydrocarbon-impacted soil and groundwater at the site. Borings B-10 and B-11 will be continuously sampled to provide additional control of the

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subsurface lithologic profile and contaminant distribution in the vicinity of existing monitoring well MW-2B. GR will attempt to collect a grab groundwater sample from each of the borings using a Hydropunch sampling tool. If subsurface conditions are not suitable for use of the Hydropunch sampling tool, groundwater grab samples may be collected through the hollow-stem augers.

Task 3. Product Recovery

GR is proposing the installation of product absorbent socks to recover product from existing well MW-5. Each sock would be suspended in the well so the absorbent interface is in constant contact with the free-phase product. The sock would be checked on a regularly scheduled basis and changed when found to be saturated with product.

All free product and/or saturated product absorbent socks removed from MW-5 will be stored on-site in DOT-approved, properly labeled, 55-gallon drums pending disposal. **All free product and/or product absorbent socks will be hauled from the site by a licensed hazardous materials hauler.**

Laboratory Analysis and Investigation Methods

Selected soil and groundwater samples will be analyzed using the methods listed in the referenced KEI Work Plan. Based on field conditions encountered, additional analytical methods, such as fuel fingerprinting, may be added to the those currently proposed.

The proposed tasks will be conducted using the methods outlined in the referenced KEI work plan, and in accordance with GR's Health and Safety Plan, and Field Methods and Procedures which is attached to this work plan addendum.

If you should have any questions regarding this work plan addendum, please do not hesitate to call me at (415) 893-1515.

Sincerely,
Gettler-Ryan Inc.

David J. Vossler
Project Manager

Attachment: Site Plan, Figure 1
GR Field Methods and Procedures

cc: Mr. Scott O. Seery - Alameda County Health Care Services Agency

140107.02

EXPLANATION

- Groundwater monitoring well
- Destroyed well
- Soil boring
- Proposed groundwater monitoring well
- Proposed soil boring

Commercial Property

MW-7

Approximate Location of Former Railroad Tracks (Southern Pacific)

MW-6

MW-5

MW-8

Approximate Location Of Underground Petroleum Pipeline (Santa Fe Pacific)

Retaining Wall

B-8

MW-4

EB-1

B-9

Station Building

B-3

B-10

continuous

MW-3

B-1

B-4

B-11

MW-2B

B-12

Existing Building

MW-2

Underground Storage Tanks

B-2

MW-1

Driveway

Approximate Property Boundary

RAY STREET

Planter

Driveway

Planter

Driveway

Planter

Driveway

FIRST STREET

0 40

Scale in Feet

FIGURE 1

SITE PLAN
Tosco 76 Branded Facility No. 7376
4191 First Street
Pleasanton, California

REVISED DATE

DATE
May, 1998

Gettler - Ryan Inc.
6747 Sierra Ct., Suite J (925) 551-7555
Dublin, CA 94568

JOB NUMBER
140107.02

REVIEWED BY

Gettler-Ryan Inc.

FIELD METHODS AND PROCEDURES

Site Safety Plan

Field work performed by Gettler-Ryan Inc. (GR) is conducted in accordance with GR's Health and Safety Plan and the Site Safety Plan. GR personnel and subcontractors who perform work at the site are briefed on the contents of these plans prior to initiating site work. The GR geologist or engineer at the site when the work is performed acts as the Site Safety Officer. GR utilizes a photoionization detector (PID) to monitor ambient conditions as part of the Health and Safety Plan.

Collection of Soil Samples

Soil borings are drilled by a California-licensed well driller. A GR geologist is present to observe the drilling, collect soil samples for description, physical testing, and chemical analysis, and prepare a log of the exploratory soil boring. Soil samples are collected from the soil boring with a split-barrel sampling device fitted with 2-inch-diameter, clean brass tube or stainless steel liners. The sampling device is driven approximately 18 inches with a 140-pound hammer falling 30 inches. The number of blows required to advance the sampler each successive 6 inches is recorded on the boring log. The encountered soils are described using the Unified Soil Classification System (ASTM 2488-84) and the Munsell Soil Color Chart.

After removal from the sampling device, soil samples for chemical analysis are covered on both ends with teflon sheeting or aluminum foil, capped, labeled, and place in a cooler with blue ice for preservation. A chain-of-custody form is initiated in the field and accompanies the selected soil samples to the analytical laboratory. Samples are selected for chemical analysis based on:

a. depth relative to underground storage tanks and existing ground surface
b. depth relative to known or suspected groundwater
c. presence or absence of contaminant migration pathways
d. presence or absence of discoloration or staining
e. presence or absence of obvious gasoline hydrocarbon odors
f. presence or absence of organic vapors detected by headspace analysis

Field Screening of Soil Samples

A PID is used to perform head-space analysis in the field for the presence of organic vapors from the soil sample. This test procedure involves removing some soil from one of the sample tubes not retained for chemical analysis and immediately covering

the end of the tube with a plastic cap. The PID probe is inserted into the headspace inside the tube through a hole in the plastic cap. Head-space screening results are recorded on the boring log. Head-space screening procedures are performed and results recorded as reconnaissance data. GR does not consider field screening techniques to be verification of the presence or absence of hydrocarbons.

Storing and Sampling of Drill Cuttings

Drill cuttings are stockpiled on plastic sheeting or stored in drums depending on site conditions and regulatory requirements. Stockpile samples are collected and analyzed on the basis of one composite sample per 50 cubic yards of soil. Stockpile samples are composed of four discrete soil samples, each collected from an arbitrary location on the stockpile. The four discrete samples are then composited in the laboratory prior to analysis.

Each discrete stockpile sample is collected by removing the upper 3 to 6 inches of soil, and them driving the stainless steel or brass sample tube into the stockpiled material with a hand, mallet, or drive sampler. The sample tubes are then covered on both ends with teflon sheeting or aluminum foil, capped, labeled, and placed in a cooler with blue ice for preservation. A chain-of-custody form is initiated in the field and accompanies the selected soil samples to the analytical laboratory. Stockpiled soils are covered with plastic sheeting after completion of sampling.

GETTLER-RYAN INC.

- Same G-R supplemental work plan as before, but signed by Stephen Carter, R.G.

525

May 11, 1998

Ms. Tina Berry
Tosco Marketing Company
2000 Crow Canyon Place, Suite 400
San Ramon, California 94583

Subject: **Work Plan Addendum, Tosco 76 Branded Facility No. 7376, 4191 First Street, Pleasanton, California.**

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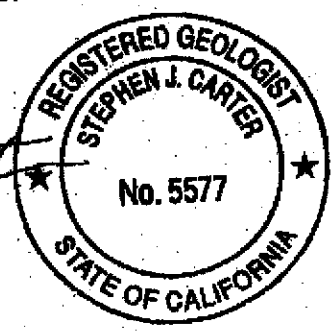
Sincerely,
Gettler-Ryan Inc.



Stephen J. Carter
Senior Geologist
R.G. 5577

Attachment: Site Plan, Figure 1
GR Field Methods and Procedures

cc: Mr. Scott O. Seery - Alameda County Health Care Services Agency

140107.02

GETTLER-RYAN INC.

FACSIMILE COVER SHEET

TO: Mr. Scott Seery DATE: 6/8/98

COMPANY: Alameda County HCSA

FAX NUMBER: (510) 337-9335

FROM: Steve Carter (for Dave Vossler)

SUBJECT: Unocal # 7376, Pleasanton

COMMENTS: As requested. The original was mailed to your office Priority Mail on Friday afternoon 6/5/98. If you have questions, please call Dave Vossler at (415) 893-1515

Total Pages Including Cover Sheet: 3

If there are any problems with this transmission, please call 916.631.1300.

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