

Res: 1039

# GETTLER-RYAN INC.

1364 North McDowell Blvd. Suite B2  
Petaluma, CA 94954  
Phone (707) 789-3255, Fax (707) 789-3218

## TRANSMITTAL

*closed*

TO: Mr. Dave DeWitt  
ConocoPhillips  
76 Broadway  
Sacramento, CA 95818

DATE: May 20, 2003  
PROJECT NO. 140099.2  
SUBJECT: Tosco (76) Station 6277  
San Leandro, California

**Alameda County**

**MAY 22 2003**

*15803 e. 14th*

From: Jeremy Smith

**Environmental Health**

WE ARE SENDING YOU:

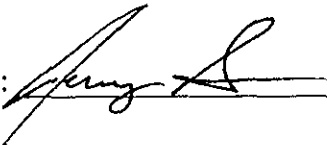
COPIES	DATED	DESCRIPTION
1	5/20/03	Well Destruction Report

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 the Well Destruction/Abandonment Report for Station 6277

Signed: 

COPIES TO: Mr. Scott O. Seery, Alameda County Health Care Services  
1131 Harbor Bay Parkway, Suite 250 , Alameda, CA 94502  
  
Mr. Chuck Headlee, RWQCB-San Francisco Bay Region  
1515 Clay Street, Suite 1400, Oakland, CA 94612



# GETTLER - RYAN Inc.

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May 20, 2003

Mr. David B. DeWitt  
ConocoPhillips  
76 Broadway  
Sacramento, CA 95818

**Subject: Groundwater Monitoring Well Destruction/Abandonment at Tosco (76) Service Station No. 6277, located at 15803 East 14<sup>th</sup> Street, San Leandro, California.**

Mr. DeWitt:

At the request of ConocoPhillips, Gettler-Ryan Inc. (GR) abandoned six groundwater monitoring wells (MW-1, MW-2A, and MW-3 through MW-6) at the subject site (Figure 1). On May 1, 2003, GR observed Woodward Drilling Company Inc. (Woodward) (C57 #710079) abandon or destroyed wells MW-1, MW-2A, and MW-3 through MW-6. Locations of the former wells are shown on the attached Site Map (Figure 2). Well abandonment activities are summarized in Table 1. A copy of the well abandonment permits W03-0253 through W03-0258, issued by the Alameda County Public Works Agency (ACPWA), is attached to this report. Regulatory closure for the site was granted in a Closure Letter from the Alameda County Health Care Services Agency to Tosco Corporation dated December 26, 2000.

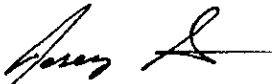
Five 2-inch diameter wells (MW-1, MW-2A, and MW-3 through MW-5) were destroyed by drilling out the entire well to approximately 1 foot below the total well depth, using 8-inch diameter hollow stem augers driven by a truck mounted drill rig. The wells were subsequently backfilled with neat cement to approximately 6 inches below ground surface (bgs). GR was instructed by the ACPWA to proceed with grouting activities and an ACPWA representative may stop by to supervise during the day, however an ACPWA representative was not onsite to supervise the grouting activities. The vault boxes for the wells were removed, and the borings were then sealed with concrete dyed to match the surrounding surface. Soil cuttings and debris from the well abandonment activities were stockpiled at the site pending landfill approval.

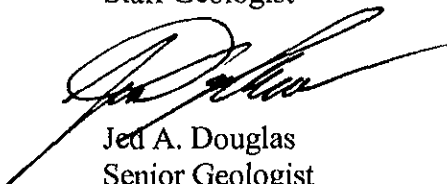
Well MW-6 was located within one foot of a buried telephone utility; therefore, well MW-6 was not drilled out in order to limit the risk of damage to the utility. Well MW-6 was subsequently abandoned by being filled with neat cement, and a pressure of approximately 25 pounds per square inch (psi) was applied to the well for approximately five minutes in order to force the grout into the formation. The well vault box was then removed and the well was sealed with concrete dyed to match the surrounding surface.

Drill cuttings generated during well destruction activities were placed on and covered with plastic sheeting and stored at the site pending disposal. A four-part sample was collected from the stockpiled soil cuttings and submitted to the laboratory to be composited and analyzed as one sample. The laboratory analytical results are included as an attachment. In addition, one 55-gallon drum of rinsate water and one fiberboard grout wash drum were generated during the well destruction activities. The drums were labeled and stored at the site. The drums were pumped out by GR on May 6, 2003 and the water was transported to Tosco refinery in Rodeo, California, for treatment and disposal. On May 17, 2003, Tim Manley Trucking of Sacramento, California, transported approximately 2 cubic yards of soil (drill cuttings) and the empty drums to the Allied Waste Inc. Forward Landfill facility in Manteca, California, for disposal under landfill approval No. 3276. A copy of the landfill approval letter and soil disposal confirmation is included as an attachment.

The wells have been properly abandoned as required by California Department of Water Resources Water Well Standards (Bulletins 74-81 and 74-90) and Alameda County guidelines. Copies of the DWR well completion report are attached. If you have any questions, please feel free to contact either of us at (707) 789-3255.

Sincerely,  
**Gettler-Ryan Inc.**

  
Jeremy A. Smith  
Staff Geologist

  
Jed A. Douglas  
Senior Geologist  
R.E.A. No. 06321



Attachments: Table 1: Summary of Well Abandonment Activities  
Figure 1: Vicinity Map  
Figure 2: Site Plan  
Well Abandonment Permit  
Laboratory Analytical Results  
Landfill Approval letter/Soil Confirmation  
DWR Well Completion Report

cc: Mr. Scott O. Seery, Alameda County Health Care Services  
1131 Harbor Bay Parkway, Suite 250 , Alameda, CA 94502

Mr. Chuck Headlee, RWQCB-San Francisco Bay Region  
1515 Clay Street, Suite 1400, Oakland, CA 94612

## TABLES

Table 1 - Summary of Well Abandonment/Destruction Activities  
 Tosco (76) Station No. 6277  
 15803 East 14th Street  
 San Leandro, California

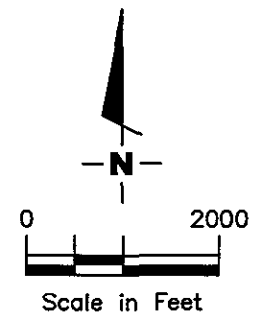
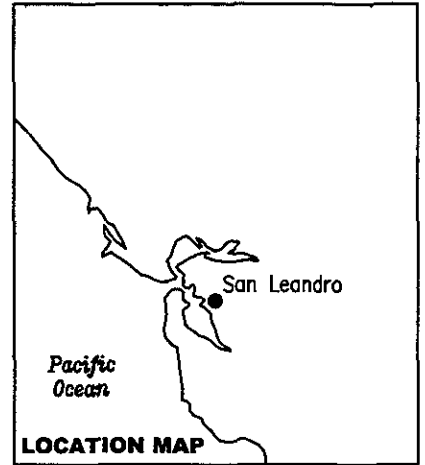
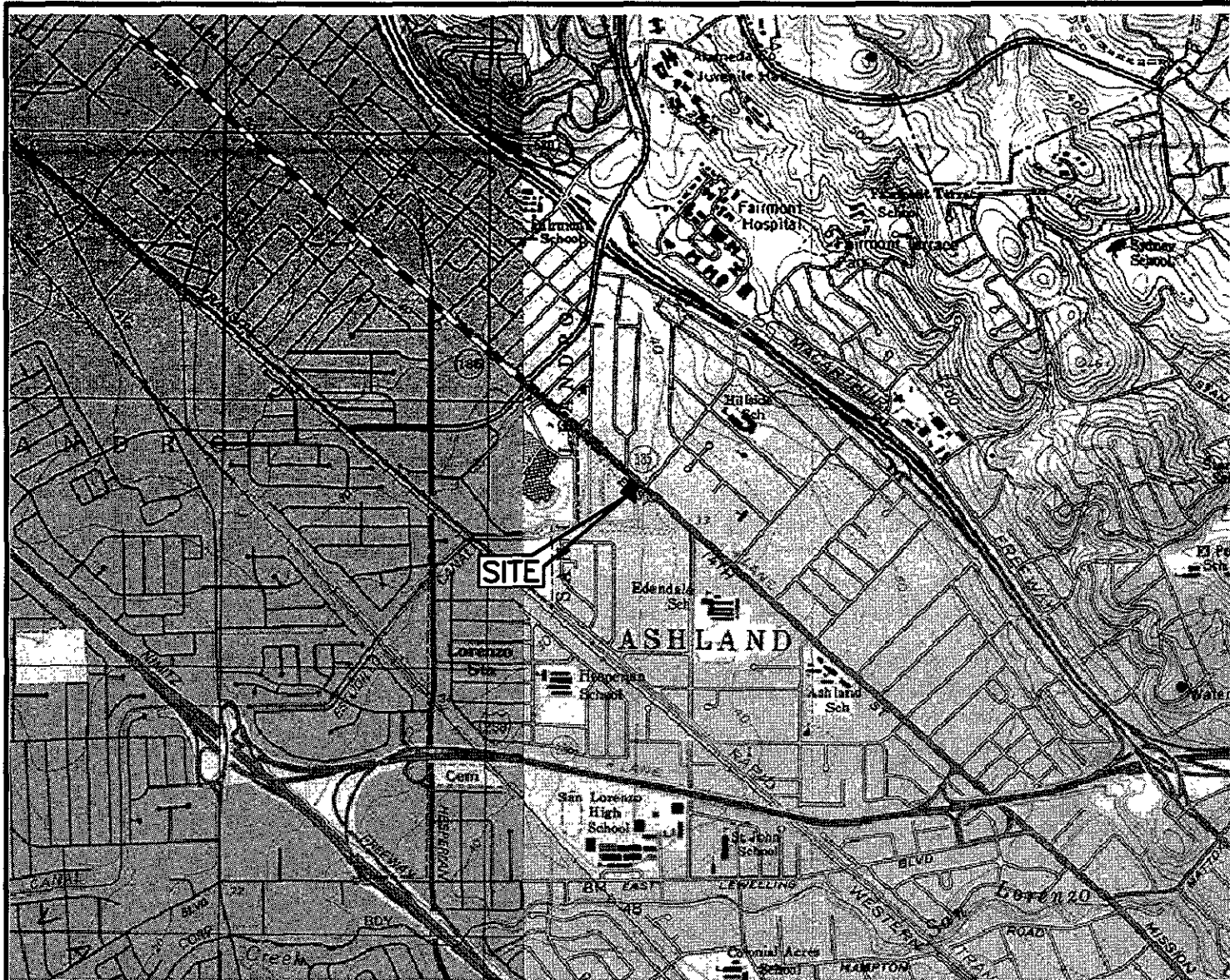
Well ID	Date Abandoned	Well Diameter (inches)	Measured Depth (feet bgs)	Installed Depth (feet bgs)	Depth-to-Water (feet below toc)	Depth Drilled Out (feet bgs)
MW-1	5/1/2003	2	24.10	25	9.61	26
MW-2A	5/1/2003	2	24.90	25.5	10.26	26
MW-3	5/1/2003	2	9.00	25	8.90	26
MW-4	5/1/2003	2	22.50	25	8.82	26
MW-5	5/1/2003	2	20.20	21	6.27	22
MW-6	5/1/2003	2	18.95	21	5.91	0 <sup>1</sup>

bgs - below ground surface

toc - top of casing

<sup>1</sup> = well was pressure grouted

## FIGURES



Source: National Geographic California Seamless USGS Topographic Maps on CD-ROM.

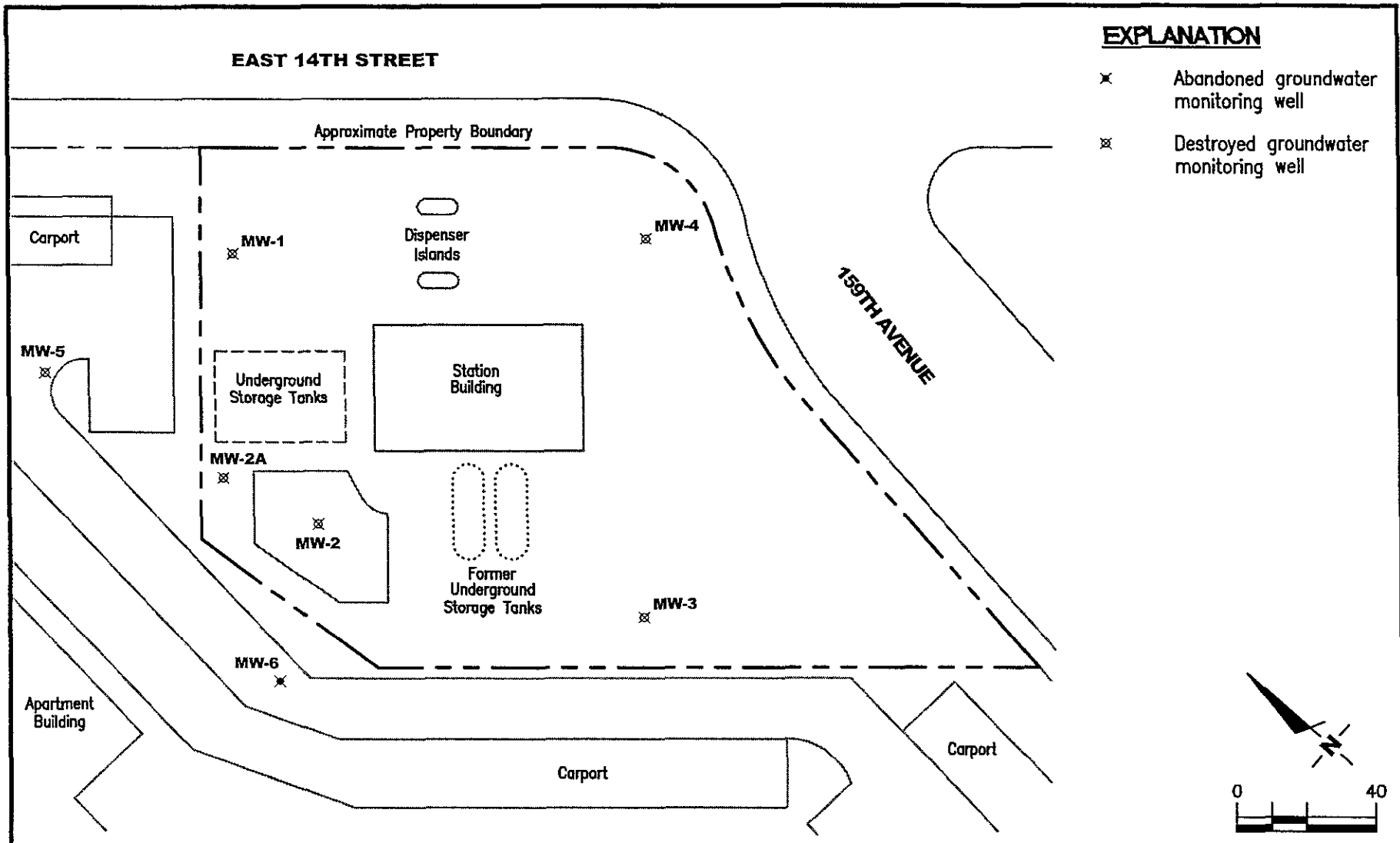
**GETTLER - RYAN INC.**  
 6747 Sierra Ct., Suite J  
 Dublin, CA 94568 (925) 551-7555

**VICINITY MAP**  
 Tosco (76) Service Station #6277  
 15803 East 14th Street  
 San Leandro, California

FIGURE  
**1**

PROJECT NUMBER 140099      REVIEWED BY      DATE 5/03      REVISED DATE

FILE NAME: P:\ENVIRO\TOSCO\6277\VIC-6277.DWG | Layout Tab: Vic Map



Source: Figure modified from drawing provided by Pacific Environmental Group, Inc. (Proj. 310-085.3A, fig. 4).

**GR** **GETTLER - RYAN INC.**  
 6747 Sierra Ct., Suite J  
 Dublin, CA 94568 (925) 551-7555

**SITE PLAN**  
 Tosco (76) Service Station #6277  
 15803 East 14th Street  
 San Leandro, California

FIGURE

2

PROJECT NUMBER  
 140099.02

REVIEWED BY

DATE  
 5/03

REVISED DATE



WELL ABANDONMENT PERMIT



# ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION  
399 ELMHURST ST. HAYWARD CA. 94544-1395  
PHONE (510) 670-6633 James Yoo  
FAX (510) 782-1939

APPLICANTS: PLEASE ATTACH A SITE MAP FOR ALL DRILLING PERMIT APPLICATIONS  
DESTRUCTION OF WELLS OVER 45 FEET REQUIRES A SEPARATE PERMIT APPLICATION

## DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT 15803 E. 14th Street  
San Leandro, CA

CLIENT  
Name Conoco Phillips  
Address 2550 Crown Center Plaza  
City San Ramon  
Phone 925-277-2384  
Fax 945-83

APPLICANT  
Name Grattler Ryan Inc.  
Address 371 N. McDiarmid Blvd. B2  
City Petaluma  
Phone 707-789-3213  
Fax 707-789-3255  
Zip 94954

TYPE OF PROJECT  
Well Construction  Geotechnical Investigation  
Cathodic Protection  General  
Water Supply  Contamination  
Monitoring  Well Destruction

PROPOSED WATER SUPPLY WELL USE  
New Domestic  Replacement Domestic  
Municipal  Irrigation  
Industrial  Other

DRILLING METHOD:  
Mud Rotary  Air Rotary  Auger   
Cable  Other

DRILLER'S NAME Westward Drilling  
DRILLER'S LICENSE NO. C-57 H-7100709  
710079

WELL PROJECTS  
Drill Hole Diameter 8 in. Maximum  
Casing Diameter 2 in. Depth 25 ft  
Surface Seal Depth ft. Owner's Well Number MW-1

GEOTECHNICAL PROJECTS  
Number of Borings  
Hole Diameter in. Maximum Depth ft.

STARTING DATE May 1, 2003  
COMPLETION DATE May 2, 2003

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

APPLICANT'S SIGNATURE [Signature] DATE 3-26-03  
PLEASE PRINT NAME James Smith Rev 9-18-02

FOR OFFICE USE

PERMIT NUMBER W03-0253  
WELL NUMBER \_\_\_\_\_  
APN \_\_\_\_\_

PERMIT CONDITIONS

Circled Permit Requirements Apply

### A. GENERAL

1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
2. Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources-Well Completion Report.
3. Permit is void if project not begun within 90 days of approval date.

### B. WATER SUPPLY WELLS

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

### C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS

1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

### D. GEOTECHNICAL

Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings.

### E. CATHODIC

Fill hole anode zone with concrete placed by tremie

### F. WELL DESTRUCTION - PG 41

Send a map of work site. A separate permit is required for wells deeper than 45 feet.

### G. SPECIAL CONDITIONS

NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations.

APPROVED [Signature] DATE 3-31-03



# ALAMEDA COUNTY PUBLIC WORKS AGENCY

**WATER RESOURCES SECTION**  
399 ELMHURST ST. HAYWARD CA. 94544-1395  
PHONE (510) 670-6633 James Yoo  
FAX (510) 782-1939

APPLICANTS: PLEASE ATTACH A SITE MAP FOR ALL DRILLING PERMIT APPLICATIONS  
DESTRUCTION OF WELLS OVER 45 FEET REQUIRES A SEPARATE PERMIT APPLICATION

## DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 15503 E. 14th Street  
San Leandro, CA.

PERMIT NUMBER W03-0254  
WELL NUMBER \_\_\_\_\_  
APN \_\_\_\_\_

CLIENT  
Name Concepcion Phillips Suite 400  
Address 2000 Crown Creek Pkwy Phone 925-277-2384  
City San Ramon Zip 94583

APPLICANT  
Name Geotek - Ryan Inc Fax 707-789-3213  
Address 1349 W. McDowell Blvd. B2 Phone 707-789-3255  
City Redwood Zip 94964

TYPE OF PROJECT  
Well Construction \_\_\_\_\_ Geotechnical Investigation \_\_\_\_\_  
Cathodic Protection \_\_\_\_\_ General \_\_\_\_\_  
Water Supply \_\_\_\_\_ Contamination \_\_\_\_\_  
Monitoring \_\_\_\_\_ Well Destruction

PROPOSED WATER SUPPLY WELL USE  
New Domestic \_\_\_\_\_ Replacement Domestic \_\_\_\_\_  
Municipal \_\_\_\_\_ Irrigation \_\_\_\_\_  
Industrial \_\_\_\_\_ Other \_\_\_\_\_

DRILLING METHOD:  
Mud Rotary \_\_\_\_\_ Air Rotary \_\_\_\_\_ Auger   
Cable \_\_\_\_\_ Other \_\_\_\_\_

DRILLER'S NAME: Woodward Drilling  
DRILLER'S LICENSE NO. C-57 # 7100709  
710079

WELL PROJECTS  
Drill Hole Diameter 8 in. Maximum \_\_\_\_\_  
Casing Diameter 2 in. Depth 25.5 ft.  
Surface Seal Depth \_\_\_\_\_ ft. Owner's Well Number MW-2A

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

STARTING DATE: May 1, 2003  
COMPLETION DATE: May 2, 2003

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 71.68  
APPLICANT'S SIGNATURE: Jeremy Smith DATE: 3-26-03  
PLEASE PRINT NAME: Jeremy Smith Rev 9-18-02

### PERMIT CONDITIONS

Circled Permit Requirements Apply

- A. GENERAL
1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
  2. Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources-Well Completion Report.
  3. Permit is void if project not begun within 90 days of approval date.

- B. WATER SUPPLY WELLS
1. Minimum surface seal thickness is two inches of cement grout placed by trowel.
  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.

- C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal thickness is two inches of cement grout placed by trowel.
  2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

D. GEOTECHNICAL  
Backfill bore hole by trowel with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings.

E. CATHODIC  
Fill hole anode zone with concrete placed by trowel.

F. WELL DESTRUCTION - P6#1  
Send a map of work site. A separate permit is required for wells deeper than 45 feet.

### G. SPECIAL CONDITIONS

NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations.

APPROVED: [Signature] DATE: 3-31-03



# ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION  
399 ELMHURST ST. HAYWARD CA. 94544-1395  
PHONE (510) 670-6633 James Yoo  
FAX (510) 782-1930

APPLICANTS: PLEASE ATTACH A SITE MAP FOR ALL DRILLING PERMIT APPLICATIONS  
DESTRUCTION OF WELLS OVER 45 FEET REQUIRES A SEPARATE PERMIT APPLICATION

## DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 15803 E. 14th Street  
San Leandro, CA

PERMIT NUMBER W03-0255  
WELL NUMBER \_\_\_\_\_  
APN \_\_\_\_\_

CLIENT  
Name Constance Phillips  
Address 3000 Crow Canyon, Pleasanton  
City San Ramon  
Phone 925-277-2384  
Zip 94583

APPLICANT  
Name Geather Ryan Inc.  
Address 1204 W. Mendocino Blvd. B2  
City Petaluma  
Phone 707-789-3255  
Zip 94954

TYPE OF PROJECT  
Well Construction  Geotechnical Investigation  
Cathodic Protection  General  
Water Supply  Contamination  
Monitoring  Well Destruction

PROPOSED WATER SUPPLY WELL USE  
New Domestic  Replacement Domestic   
Municipal  Irrigation   
Industrial  Other

DRILLING METHOD:  
Mud Rotary  Air Rotary  Auger   
Cable  Other

DRILLER'S NAME: Woodward Drilling  
DRILLER'S LICENSE NO C-57 # 7100709  
710079

WELL PROJECTS  
Drill Hole Diameter 8 in. Maximum  
Casing Diameter 2 in. Depth 25 ft  
Surface Seal Depth \_\_\_\_\_ ft. Owner's Well Number MW-3

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

STARTING DATE May 1, 2003  
COMPLETION DATE May 2, 2003

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-66

APPLICANT'S SIGNATURE James Smith DATE 3-26-03  
PLEASE PRINT NAME Jeremy Smith Rev 9-18-02

### PERMIT CONDITIONS

Circled Permit Requirements Apply

#### A. GENERAL

1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
2. Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources-Well Completion Report.
3. Permit is void if project not begun within 90 days of approval date.

#### B. WATER SUPPLY WELLS

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.

#### C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS

1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

#### D. GEOTECHNICAL

Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings.

#### E. CATHODIC

Fill hole anode zone with concrete placed by tremie

#### F. WELL DESTRUCTION - PG # 7

Send a map of work site. A separate permit is required for wells deeper than 45 feet

#### G. SPECIAL CONDITIONS

NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations.

APPROVED \_\_\_\_\_ DATE 3-31-03



# ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION  
399 ELMHURST ST. HAYWARD CA 94541-1395  
PHONE (510) 670-6633 James Yoo  
FAX (510) 782-1939

APPLICANTS: PLEASE ATTACH A SITE MAP FOR ALL DRILLING PERMIT APPLICATIONS  
DESTRUCTION OF WELLS OVER 45 FEET REQUIRES A SEPARATE PERMIT APPLICATION

## DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 15803 E. 14th Street  
San Leandro, CA

PERMIT NUMBER W03-0256  
WELL NUMBER \_\_\_\_\_  
APN \_\_\_\_\_

CLIENT  
Name Conoco Phillips  
Address 2600 Grand Canyon Plaza Suite 400  
City San Ramon Phone 925-277-2384  
Zip 94583

APPLICANT  
Name Geotek - Ryan Inc.  
Address 369 N. Madison Blvd. Box 132  
City Petaluma Phone 707-789-3218  
Zip 94954

TYPE OF PROJECT  
Well Construction  Geotechnical Investigation   
Cathodic Protection  General   
Water Supply  Contamination   
Monitoring  Well Destruction

PROPOSED WATER SUPPLY WELL USE  
New Domestic  Replacement Domestic   
Municipal  Irrigation   
Industrial  Other

DRILLING METHOD:  
Mud Rotary  Air Rotary  Auger   
Cable  Other

DRILLER'S NAME: Whatwork Drilling  
DRILLER'S LICENSE NO. C-57 # 7100769  
710079

WELL PROJECTS  
Drill Hole Diameter 8 in. Maximum \_\_\_\_\_  
Casing Diameter 2 in. Depth 25 ft  
Surface Seal Depth \_\_\_\_\_ ft Owner's Well Number WWW-4

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

STARTING DATE May 1, 2003  
COMPLETION DATE May 2, 2003

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68  
APPLICANT'S SIGNATURE: Jeremy Smith DATE: 3-26-03  
PLEASE PRINT NAME: Jeremy Smith Rev 9-18-02

PERMIT CONDITIONS  
Circled Permit Requirements Apply

- A. GENERAL
1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
  2. Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources-Well Completion Report.
  3. Permit is void if project not begun within 90 days of approval date.

- B. WATER SUPPLY WELLS
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.

- C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
  2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

D. GEOTECHNICAL  
Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings.

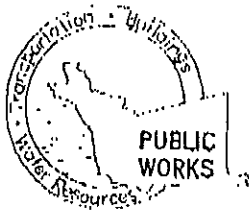
E. CATHODIC  
Fill hole anode zone with concrete placed by tremie.

F. WELL DESTRUCTION - PG # 1  
Send a map of work site. A separate permit is required for wells deeper than 45 feet.

G. SPECIAL CONDITIONS

NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations.

APPROVED: [Signature] DATE: 3-31-03



# ALAMEDA COUNTY PUBLIC WORKS AGENCY

**WATER RESOURCES SECTION**  
399 ELMHURST ST. HAYWARD CA, 94544-1395  
PHONE (510) 678-6633 James You  
FAX (510) 782-1939

APPLICANTS: PLEASE ATTACH A SITE MAP FOR ALL DRILLING PERMIT APPLICATIONS  
DESTRUCTION OF WELLS OVER 45 FEET REQUIRES A SEPARATE PERMIT APPLICATION

## DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 15803 E. 14th Street  
San Leandro, CA

PERMIT NUMBER W03-0257  
WELL NUMBER \_\_\_\_\_  
APN \_\_\_\_\_

CLIENT  
Name: Cornelia Phillips  
Address: 2224 Crown Crispin Pl Suite 400 Phone: 925-277-2384  
City: San Ramon Zip: 94583

APPLICANT  
Name: Greiner Lyon Inc.  
Address: 1364 W. McDevitt Blvd B2 Phone: 707-789-3255  
City: Redwood City Zip: 94064

TYPE OF PROJECT  
Well Construction  Geotechnical Investigation  
Cathodic Protection  General  
Water Supply  Contamination  
Monitoring  Well Destruction

PROPOSED WATER SUPPLY WELL USE  
New Domestic  Replacement Domestic  
Municipal  Irrigation  
Industrial  Other

DRILLING METHOD:  
Mud Rotary  Air Rotary  Auger   
Cable  Other

DRILLER'S NAME Woodward Drilling  
DRILLER'S LICENSE NO. C-57 H-78076A  
710079

WELL PROJECTS  
Drill Hole Diameter 8 in. Maximum  
Casing Diameter 2 in. Depth 21 ft  
Surface Seal Depth \_\_\_\_\_ ft. Owner's Well Number MW-5

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

STARTING DATE May 1, 2003  
COMPLETION DATE May 2, 2003

### PERMIT CONDITIONS

Circled Permit Requirements Apply

- A. GENERAL**
1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
  2. Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources-Well Completion Report.
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  2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

- D. GEOTECHNICAL**
- Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings.

- E. CATHODIC**
- Fill hole anode zone with concrete placed by tremie.

- F. WELL DESTRUCTION - PG#1**
- Send a map of work site. A separate permit is required for wells deeper than 45 feet

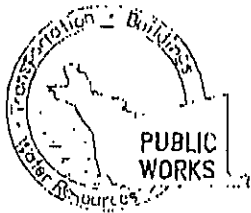
- G. SPECIAL CONDITIONS**

NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations.

APPROVED [Signature] DATE 3-31-03

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

APPLICANT'S SIGNATURE [Signature] DATE: 3-26-03  
PLEASE PRINT NAME Jeremy Smith Rev. 9-18-02



# ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION  
399 ELMHURST ST. HAYWARD CA. 94544-1395  
PHONE (510) 670 6633 James Yoo  
FAX (510) 782-1939

APPLICANTS PLEASE ATTACH A SITE MAP FOR ALL DRILLING PERMIT APPLICATIONS  
DESTRUCTION OF WELLS OVER 45 FEET REQUIRES A SEPARATE PERMIT APPLICATION

## DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 15803 E. 14th Street  
San Leandro, CA

PERMIT NUMBER W03-0258  
WELL NUMBER \_\_\_\_\_  
APN \_\_\_\_\_

### PERMIT CONDITIONS

Circled Permit Requirements Apply

CLIENT  
Name: Conrad Phillips 510-925-277-2354  
Address: 2000 Crow Canyon Plaza  
City: San Ramon Zip: 94583

APPLICANT  
Name: Ge-Hill - Ryan Inc. Fax: 707-789-3218  
Address: 1344 N. McDowell Blvd. B2 Phone: 707-789-3255  
City: Redwood Zip: 94954

TYPE OF PROJECT  
Well Construction  (Geotechnical Investigation)  
Cathodic Protection  (General)  
Water Supply  (Contamination)  
Monitoring  Well Destruction

PROPOSED WATER SUPPLY WELL USE  
New Domestic  Replacement Domestic  
Municipal  Irrigation  
Industrial  Other

DRILLING METHOD:  
Mud Rotary  Air Rotary  Auger   
Cable  Other

DRILLER'S NAME: Waxford Drilling  
DRILLER'S LICENSE NO. C-57 710079  
710079

WELL PROJECTS  
Drill Hole Diameter 8 in. Maximum  
Casing Diameter 2 in. Depth 21 ft  
Surface Seal Depth ft. Owner's Well Number MW-6

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

STARTING DATE: May 1, 2003  
COMPLETION DATE: May 2, 2003

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.  
APPLICANT'S SIGNATURE: Jarvis Smith DATE: 3-26-03  
PLEASE PRINT NAME: Jarvis Smith Rev 9-18-02

### A. GENERAL

1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
2. Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources-Well Completion Report.
3. Permit is void if project not begun within 90 days of approval date.

### B. WATER SUPPLY WELLS

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.

### C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS

1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

### D. GEOTECHNICAL

Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two three feet replaced in kind or with compacted cuttings.

### E. CATHODIC

Fill hole anode zone with concrete placed by tremie

### F. WELL DESTRUCTION - PGH 1

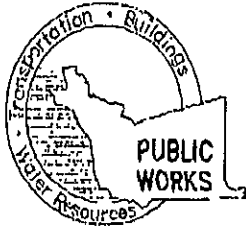
Send a map of work site. A separate permit is required for wells deeper than 45 feet.

### G. SPECIAL CONDITIONS

NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations.

APPROVED

DATE: 3-31-03



# ALAMEDA COUNTY PUBLIC WORKS AGENCY

## WATER RESOURCES SECTION

399 ELMHURST ST. HAYWARD, CA. 94544-1395  
PHONE (510) 670-6633 James Yoo FAX (510) 782-1939

PERMIT NO. W03-0253-0258

---

### WATER RESOURCES SECTION GROUNDWATER PROTECTION ORDINANCE Destruction of Wells (Less than 45 feet in depth)

#### Destruction Requirements: **PRESSURE GROUTING # 1**

1. Remove any casing(s) and annular seal to 3-5 feet below finished grade of original ground, whichever is the lower elevation.
2. Destroy well by grouting neat cement with a tremie pipe or pressure grouting (25 psi for 5min.) to the bottom of the well and by filling with neat cement to three (3-5) feet below surface grade. Allow the sealing material to spill over the top of the casing to fill any annular space between casing and soil.
3. After the seal has set, backfill the remaining hole with concrete or compacted material to match existing conditions.
4. **Drilling permits are valid from the start date to the completion date. Permits can be extended by a phone call, but drilling permit applications will not be extended beyond 90 days from the approved start date.**
5. Compliance with the above well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate state reporting-requirements related to well destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). **Contractor/ applicant must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days.**
6. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, property damage, personal injury and wrongful death.



## LABORATORY ANALYTICAL RESULTS



Gettler-Ryan - Petaluma  
1364 N McDowell Blvd. Ste B2  
Petaluma CA, 94954

Project: Tosco 6277, San Leandro, CA  
Project Number: N/A  
Project Manager: Jeremy Smith

S305057  
**Reported:**  
05/08/03 18:36

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CS-1 (Composite)	S305057-01	Soil	05/01/03 13:30	05/01/03 15:20



Gettler-Ryan - Petaluma  
1364 N McDowell Blvd. Ste B2  
Petaluma CA, 94954

Project: Tosco 6277, San Leandro, CA  
Project Number: N/A  
Project Manager: Jeremy Smith

S305057  
**Reported:**  
05/08/03 18:36

**Gasoline\BTEX\Oxygenates by EPA method 8260B  
Sequoia Analytical - Sacramento**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>CS-1 (Composite) (S305057-01) Soil Sampled: 05/01/03 13:30 Received: 05/01/03 15:20</b>									
Benzene	ND	0.0050	mg/kg	1	3050107	05/07/03	05/08/03	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Methyl tert-butyl ether	<b>0.022</b>	0.0050	"	"	"	"	"	"	
Gasoline (C6-C10)	ND	1.0	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		96 %	60-140		"	"	"	"	
Surrogate: Toluene-d8		108 %	60-140		"	"	"	"	
Surrogate: 4-BFB		84 %	60-140		"	"	"	"	



Gettler-Ryan - Petaluma  
1364 N McDowell Blvd. Ste B2  
Petaluma CA, 94954

Project: Tosco 6277, San Leandro, CA  
Project Number: N/A  
Project Manager: Jeremy Smith

S305057  
Reported:  
05/08/03 18:36

**Total Metals by EPA 6000/7000 Series Methods  
Sequoia Analytical - Sacramento**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>CS-1 (Composite) (S305057-01) Soil Sampled: 05/01/03 13:30 Received: 05/01/03 15:20</b>									
Lead	ND	10	mg/kg	4	3050066	05/06/03	05/08/03	EPA 6010B	

Gettler-Ryan - Petaluma  
 1364 N McDowell Blvd. Ste B2  
 Petaluma CA, 94954

Project: Tosco 6277, San Leandro, CA  
 Project Number: N/A  
 Project Manager: Jeremy Smith

S305057  
 Reported:  
 05/08/03 18:36

**Gasoline\BTEX\Oxygenates by EPA method 8260B - Quality Control**  
**Sequoia Analytical - Sacramento**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 3050107 - EPA 5030B [P/T]</b>										
<b>Blank (3050107-BLK1)</b> <span style="float:right">Prepared &amp; Analyzed: 05/07/03</span>										
Benzene	ND	0.0050	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
Methyl tert-butyl ether	ND	0.0050	"							
Gasoline (C6-C10)	ND	1.0	"							
<i>Surrogate 1,2-DCA-d4</i>	<i>0.0483</i>		"	<i>0.0500</i>		<i>97</i>	<i>60-140</i>			
<i>Surrogate Toluene-d8</i>	<i>0.0518</i>		"	<i>0.0500</i>		<i>104</i>	<i>60-140</i>			
<i>Surrogate 4-BFB</i>	<i>0.0455</i>		"	<i>0.0500</i>		<i>91</i>	<i>60-140</i>			
<b>Blank (3050107-BLK2)</b> <span style="float:right">Prepared &amp; Analyzed: 05/07/03</span>										
Benzene	ND	0.0050	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
Methyl tert-butyl ether	ND	0.0050	"							
Gasoline (C6-C10)	ND	1.0	"							
<i>Surrogate 1,2-DCA-d4</i>	<i>0.0452</i>		"	<i>0.0500</i>		<i>90</i>	<i>60-140</i>			
<i>Surrogate Toluene-d8</i>	<i>0.0517</i>		"	<i>0.0500</i>		<i>103</i>	<i>60-140</i>			
<i>Surrogate 4-BFB</i>	<i>0.0460</i>		"	<i>0.0500</i>		<i>92</i>	<i>60-140</i>			
<b>Laboratory Control Sample (3050107-BS1)</b> <span style="float:right">Prepared &amp; Analyzed: 05/07/03</span>										
Benzene	0.0251	0.0050	mg/kg	0.0272		92	70-130			
Toluene	0.154	0.0050	"	0.167		92	70-130			
Methyl tert-butyl ether	0.0464	0.0050	"	0.0448		104	60-140			
<i>Surrogate 1,2-DCA-d4</i>	<i>0.0496</i>		"	<i>0.0500</i>		<i>99</i>	<i>60-140</i>			
<i>Surrogate Toluene-d8</i>	<i>0.0503</i>		"	<i>0.0500</i>		<i>101</i>	<i>60-140</i>			
<i>Surrogate 4-BFB</i>	<i>0.0494</i>		"	<i>0.0500</i>		<i>99</i>	<i>60-140</i>			

Sequoia Analytical - Sacramento

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*



Gettler-Ryan - Petaluma  
1364 N McDowell Blvd. Ste B2  
Petaluma CA, 94954

Project: Tosco 6277, San Leandro, CA  
Project Number: N/A  
Project Manager: Jeremy Smith

S305057  
**Reported:**  
05/08/03 18:36

### Notes and Definitions

QM-07 The spike recovery was outside control limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

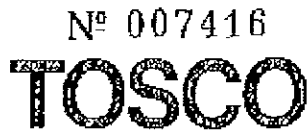
DET Analyte DETECTED

ND Analyte *NOT DETECTED* at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference



- 885 Jarvis Drive • Morgan Hill, CA 95037 • (408) 776-9600 • FAX (408) 782-6308
- 819 Striker Ave., Suite 8 • Sacramento, CA 95834 • (916) 921-9600 • FAX (916) 921-0100
- 404 N. Wiget Lane • Walnut Creek, CA 94598 • (925) 988-9600 • FAX (925) 988-9673
- 1455 McDowell Blvd. North, Suite D • Petaluma, CA 94954 • (707) 792-1865 • FAX (707) 792-0342
- 1551 Industrial Road • San Carlos, CA 94070 • (650) 232-9600 • FAX (650) 232-9612

Consultant Company: <u>Gettler-Ryan Inc.</u>		Tosco Engineer: <u>Dave DeWitt</u>	
Address: <u>1364 N. McDaniel Parkway B2</u>		Site #: <u>6277</u>	
City: <u>Petaluma</u> State: <u>CA</u> Zip Code: <u>94954</u>		Site Address: <u>15803 E. 14<sup>th</sup> Street</u>	
Telephone: <u>707-789-3255</u> Fax #: <u>707-789-3219</u>		City, State: <u>San Leandro, CA</u>	
Report To: <u>Jeremy Smith</u>	Sampler: <u>Jeremy Smith</u>	QC Data: <input checked="" type="checkbox"/> Level D (Standard) <input type="checkbox"/> Level C <input type="checkbox"/> Level B <input type="checkbox"/> Level A	

Turnaround  10 Work Days  5 Work Days  3 Work Days  
 Time:  2 Work Days  1 Work Day  2-8 Hours

Analyses Requested  
 Drinking Water  
 Waste Water  
 Other

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Sequoia's Sample #	Analyses Requested										Comments		
						TPH (BTEX) (MTC)	TPH Diesel (8015)	TOG (418.1)	Drydenates (6) (260)	Drydenates (6) + (118)	Level 6010							
1. <u>CS-1</u>	<u>5-1-03 1:30</u>	<u>Soil</u>	<u>4</u>	<u>Linens</u>	<u>836657-01</u>	<input checked="" type="checkbox"/>												<u>X Please compare soil sample prior to analysis</u>
2.																		
3.																		
4.																		
5.																		<u>17° in WC</u>
6.																		
7.																		
8.																		
9.																		
10.																		<u>Road 10°</u>

Relinquished By: <u>[Signature]</u>	Date: <u>5-1-03</u>	Time: <u>3:15</u>	Received By: <u>[Signature]</u>	Date: <u>5/1/03</u>	Time: <u>1:50</u>
Relinquished By: <u>[Signature]</u>	Date: <u>5-2</u>	Time: _____	Received By: <u>[Signature]</u>	Date: <u>5-2-03</u>	Time: <u>0930</u>
Relinquished By: _____	Date: _____	Time: _____	Received By: <u>Monica [Signature]</u>	Date: <u>5/2/03</u>	Time: <u>12:00</u>

Were Samples Received in Good Condition?  Yes  No    Samples on Ice?  Yes  No    Method of Shipment Drop off    Page 1 of 1

To be completed upon receipt of report:

1) Were the analyses requested on the Chain of Custody reported?  Yes  No    If no, what analyses are still needed? \_\_\_\_\_

2) Was the report issued within the requested turnaround time?  Yes  No    If no, what was the turnaround time? \_\_\_\_\_

Approved by: Jeremy Smith    Signature: [Signature]    Company: Gettler-Ryan    Date: 5-9-03

Pink - Client  
Yellow - Sequoia  
White - Sequoia

### SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: Gutler Ryan  
 REC. BY (PRINT) M. W. W. W.  
 WORKORDER: 5305057

DATE Received at Lab: 5/2/03  
 TIME Received at Lab: 12:00  
 LOG IN DATE: 5/2/03

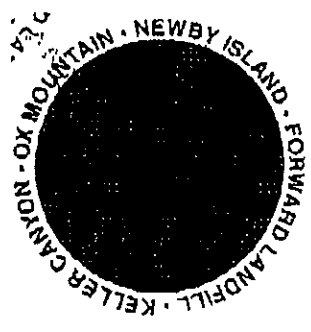
Drinking water for regulatory purposes: YES/NO NO  
 Wastewater for regulatory purposes: YES/NO NO

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	#	CLIENT ID	CONTAINER DESCRIPTION	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / <u>Absent</u> Intact / Broken*							SEE COC
2. Chain-of-Custody <u>Present</u> / Absent*							
3. Traffic Reports or Packing List: Present / <u>Absent</u>							
4. Airbill: Airbill / Sticker <u>Present</u> / Absent							
5. Airbill #:							
6. Sample Labels: <u>Present</u> / Absent							
7. Sample IDs: <u>Listed</u> / Not Listed on Chain-of-Custody							
8. Sample Condition: <u>Intact</u> / Broken* / Leaking*							
9. Does information on custody reports, traffic reports and sample labels agree? <u>Yes</u> / No*							
10. Sample received within hold time: <u>Yes</u> / No*							
11. Proper Preservatives used: <u>Yes</u> / No*							
12. Temp Rec. at Lab: Is temp 4 +/- 2°C? <u>IDC</u> Yes / No** <small>(Acceptance range for samples requiring thermal pres.)</small>							
**Exception (if any): Metals / DFF on ice? / DFF no ice? or Problem COC							

**\*If Circled, contact Project Manager and attach record of resolution.**



LANDFILL APPROVAL LETTER & SOIL CONFIRMATION



May 9, 2003

Gettler-Ryan  
1364 N. McDowell Blvd #B2  
Petaluma, CA 94954

Attn: Mr. Smith

Re: Approval No. 3276  
Gasoline Contaminated Soil  
15803 E. 14th Street / Tosco# 6277, SAN LEANDRO

Dear Mr. Smith:

**FORWARD INC.** is pleased to inform you that the approximately 2 CY of Gasoline Contaminated Soil from the referenced site has been approved for acceptance at our Manteca, California Landfill as a Class 2 waste. This approval has been based on the information provided in the waste profile and associated materials submitted on behalf of Conoco Phillips (Generator). Acceptance of the waste is subject to regulatory requirements, and is also subject to the "Terms and Conditions" agreed to and signed by Generator in the waste profile.

Your approval number for this project will be 3276. This number should be used in all scheduling and correspondence with **FORWARD, INC.** regarding this waste profile.

This profile shall remain in effect until November 9, 2003, or until any significant changes in the waste stream occur. At that time, **FORWARD, INC.** will re-evaluate the profile, and current analytical data and requirements will be reviewed.

Please schedule all waste shipments with the Landfill (209-982-4298) at least 24 hours in advance. The landfills hours of operation are Monday through Friday 6:00 am to 6:00 pm for soil, 6:00 am to 3:00 pm for asbestos, 6:00 am to 5:00 pm for all other waste types.

Thank you for the opportunity to be of service. Should you have any questions, please do not hesitate to contact me or our Customer Service at (800) 204-4242.

Sincerely,

*Allied Waste Industries*

Brad J. Bonner  
Special Waste Sales Manager  
Northern, CA

BJB/ss

TIM A. MANLEY TRUCKING, INC.  
9151 GERBER ROAD  
SACRAMENTO, CA 95829  
916-689-4464 Fax 681-0924

### SOIL CONFIRMATION

<b>LOCATION</b>	# 6277 15803 E 14TH STREET - SAN LEANDRO, CA
<b>DATE OF PICK UP</b>	5/17/2003
<b>ESTIMATED YARDAGE</b>	2 YARDS
<b>ACTUAL YARDAGE</b>	2.05 TONS
<b>DISPOSAL FACILITY</b>	FORWARD LANDFILL
<b>CONSULTANT \ CONTACT</b>	JEREMY SMITH
<b>PHONE \ FAX</b>	707-789-3255 707-789-3218

## DWR WELL COMPLETION REPORTS

**CONFIDENTIAL**

STATE OF CALIFORNIA DWR  
WELL COMPLETION REPORT  
(WELL LOGS)

**REMOVED**