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July 16, 1992

PROJECT REPORT
UNDERGROUND STORAGE TANK CLOSURE
at
Oliver Rubber Company
1200 65th Street, Emeryville, CA.

Prepared for:

The Oliver Rubber Co.
1200 65th Street, Oakland, CA.

Submitted by:

AQUA SCIENCE ENGINEERS, INC.
1041 Shary Circle
CONCORD, CA

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1.0 INTRODUCTION

This report documents the removal and related activities of the ~~underground storage tank closure performed for the~~ Oliver Rubber Company located at 1200 65th Street in Emeryville, Calif. (FIGURE 1). A 1,000 gallon underground storage tank last containing "Bunker Oil" low grade fuel oil. The scope of services provided by Aqua Science Engineers, Inc. (ASE) is in accordance with ASE proposal No. 92-017 and included the following tasks:

- o Obtain permits from the Alameda County Health Care Services Agency, City of Emeryville Fire Department and City of Emeryville Building Department.
- o Notify Cal-OSHA and the Bay Area Air Quality Management District.
- o Remove and dispose of residual liquids from the tank.
- o Remove and dispose of the underground storage tank.
- o Sample native soil adjacent the tank.
- o Prepare a report of methods and findings.

2.0 PERMITS

The application for permits to remove the underground storage tank were obtained from the Alameda County Health Care Services Agency, Emeryville Fire Department and Emeryville Building Department. Notice of construction was given to the Bay Area Air Quality Management District and CAL-OSHA. Copies of the permits and notification documents are contained in Appendix A.

3.0 MOBILIZATION

ASE mobilized for on-site work on June 24, 1992, commencing with removal of concrete surface materials. Project personnel included: Craig Hertz- Project Engineer, Steve DeHope- Construction Manager, and Gerald Sasse-Technical Labor.

3.1 EXCAVATION

The services of the Underground Service Alert network were utilized to identify primary utilities in the work area.

*No vault at
this tank
removal*

Excavation of the storage tank was initiated on July 24, 1992. Soil was removed along the outside perimeter of the vault to a depth of approximately 9 feet below grade. All piping was removed from the immediate vicinity around the tank. No overspill protection devices were in place at the fill locations.

Cleaning of the tanks and removal of residual liquid waste from the tanks was commenced on July 24. Approximately 550 gallons of residual liquid and tank rinsate was removed by Waste Oil Recovery Systems and disposed of at the Demenno Kerdoon facility in Compton, CA. A copy of the Hazardous Waste Manifest is appended to this report.

Native material surrounding the tank consisted of a light brown clayey silt with some medium/fine sand and little medium/fine gravel to a depth of approximately 4 feet below grade. Light grey clayey silts with increasing content of fine sand was encountered in the elevations between 4 feet and 11 feet below grade. Groundwater was not encountered during the excavation. Although groundwater was previously determined, from a former tank removal project on this site, to be at approximately 9.5 feet below grade. Tank backfill material around the tank was classified as an imported 3/8" crushed gravel with fines.

Air quality sampling was conducted at the edge of the excavation using an organic vapor analyzer model 580A by TEI. Volatile organic vapors were not detected in the air near the edge of the excavation. Mild petroleum odors were noted periodically during soil removal operations.

All tank piping was observed intact with no obvious holes or weakness. No overspill protection devices were in place. All excavated materials were placed on 10 ml. plastic sheeting and covered.

3.2 REMOVAL

Prior to tank removal on the morning of July 24, 1992, ASE inerted the tanks by adding dry ice at the rate of at least 1.5 pounds per 100 gallons of tank volume. After verifying a safe LEL of the tank atmosphere, the tanks were removed from the excavation. The tank removal operations were witnessed by the City of Emeryville Fire Department and the Alameda Health Care Services Agency Inspector-Susan Hugo. The tank was transported by Dexanna, Inc. to the Erickson Tank Disposal Facility in Richmond, CA, on the date of removal. Copies of

the Hazardous Waste Manifests and Tank Disposal Certificates are contained in Appendix B.

The tank was constructed of a single ply 5/16" riveted plate steel. No protective coatings were evident on the tank exterior. The exterior of the tank was examined and corrosion, pitting, and holes were observed.

4.0 SAMPLING AND ANALYSIS

Soil samples were collected from the excavation 2 feet below each end of the tank (BE & BW: Figure 1). Soil samples were taken between 2:30 and 3:30 PM by Project Engineer, Craig Hertz of ASE trained in sampling protocol by a registered civil engineer. Soil sampling was performed at the direction of the Alameda County Health Services Department Inspector- Susan Hugo.

Overexcavation and resampling was performed on the following day (June 25, 1992). Soil samples were collected along the side walls within the tank excavation (SW-N, SW-S, SW-E, SW-W) at approximately 6-7 feet below grade. The sampling locations are shown on the site map in Figure 1 and the results are shown below in Table One.

Soil samples were collected by driving a 6-inch by 2-inch brass tube into the soil using a wooden mallet when necessary. The sample of stock piled soil (STKP 1-A) was taken as a composite of four subsamples. The four samples were composited as one sample at the laboratory. All soil samples were secured using aluminum foil, teflon caps and sealed with duct tape. All samples were put on ice and transported to an analyzing laboratory under Chain of Custody procedures. A copy of the Chain of Custody is appended to this report.

All samples were submitted for analysis to the state certified laboratory, Priority Environmental Labs in Milpitas, California (408) 946-9636. The samples taken within the excavation were analyzed for Total Petroleum Hydrocarbons as Diesel, BTEX and Oil & Grease. The results of the soil sampling within the excavation are tabulated as TABLE 1: Analytical Results of Soil Sampling. Copies of signed laboratory data sheets are found in Appendix C.

TABLE 1: SOIL SAMPLE ANALYTICAL RESULTS

| Sample No. | TPH Diesel (ppm) | Oil & Grease (ppm) | Benzene (ppb) | Toluene (ppb) | Ethyl Benzene (ppb) | Total Xylenes (ppb) |
|------------|------------------|--------------------|---------------|---------------|---------------------|---------------------|
| BE | ND | ND | ND | ND | ND | ND |
| BW | 390 | 670 | ND | ND | ND | ND |
| SW-W | 130 | 450 | 19 | 6.7 | ND | 33 |
| SW-E | ND | ND | ND | ND | ND | ND |
| SW-N | 490 | 1500 | 42 | 48 | 5.9 | 100 |
| SW-S | 470 | 1300 | 8.6 | 19 | 27 | 130 |

* - Composited sample

ND - Non Detectable at analytical method limits

ppm - parts per million

ppb - parts per billion

On June 24 and June 25 approximately 36 cubic yards of soil were removed from the tank area. Excavation of soils was conducted to a depth of approximately 7.0 feet below grade.

The stockpiled soil was sampled and analyzed for Total Recoverable Hydrocarbons (EPA 418.1), BTEX (EPA 1311/602), Reactivity (Title 22), Corrosivity (Title 22), Ignitability (Title 22), Semi Volatile Organics (EPA 8270). The results indicated ~~1200 ppm of Total Petroleum Hydrocarbons, a pH of 7.6 for Corrosivity, and Method 8270 revealed 380 ppb of 2-Methylnaphthalene.~~

5.0 BACKFILLING AND RESURFACING

The excavation was not backfilled and was covered with 1" trenchplate.

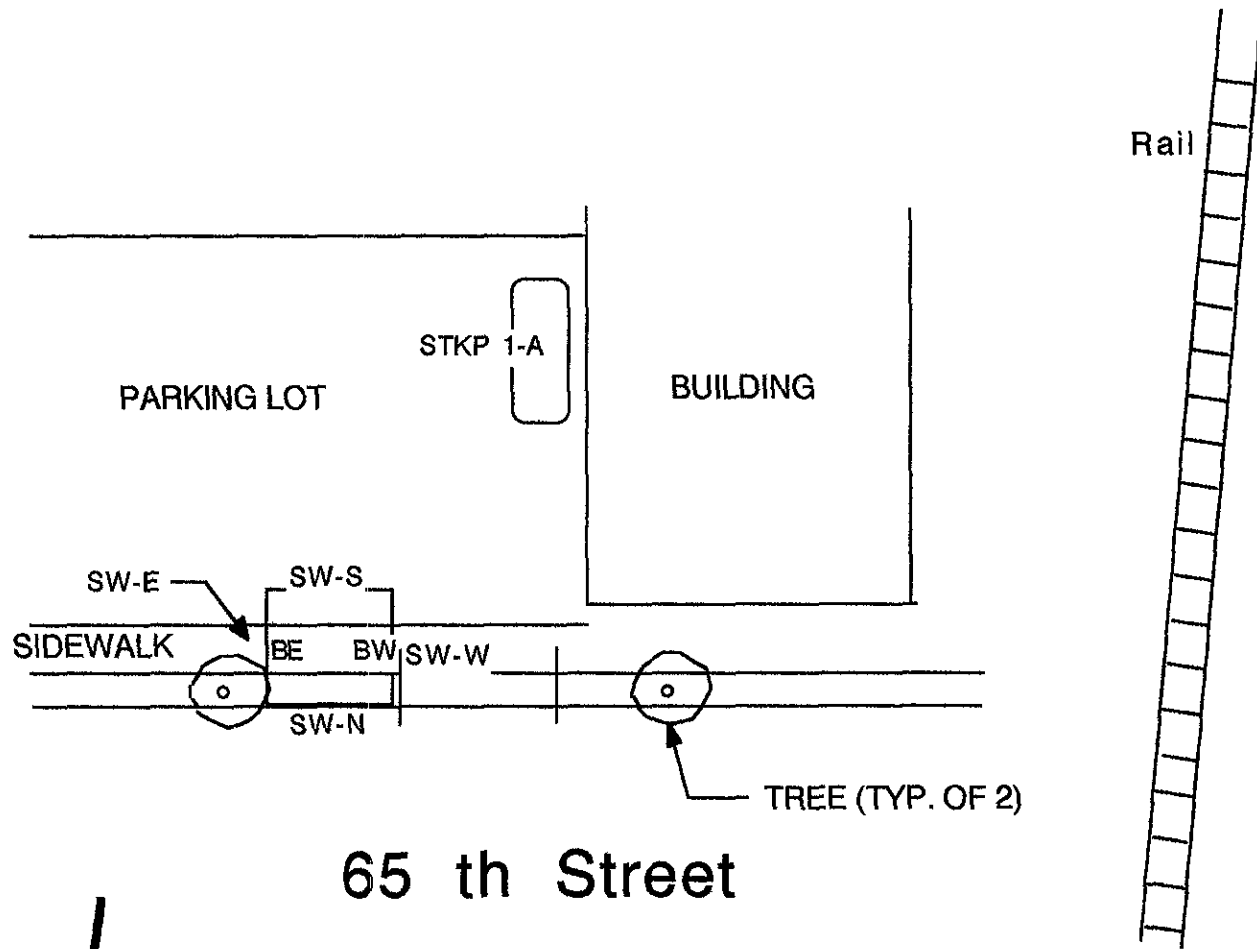
All soil removed from the tank excavation were disposed of at a Class III Landfill. The acceptance certificate from BFI Waste Systems is located in Appendix B. Aggregate Systems Transport, a licensed hazardous waste hauler, transported the soil to the landfill under a non-hazardous waste manifest.

6.0 DISCUSSION AND CONCLUSIONS

One underground storage tank and related plumbing were removed from the site of the Oliver Rubber Co. in Emeryville, CA. The size of the tanks was noted at 1,000 gallons, constructed of a single layer steel plate and last contained diesel oil. Subsequent to tank removal, inspection of the tank revealed signs of corrosion, holes and pitting.

Analytical testing of soil samples in the tank excavation revealed detectable concentrations of diesel, Oil & Grease, Benzene, Toulene, Ethyl-Benzene and Xylenes. All soil removed from the excavation and subsequent over-excavated (approx. 36 cubic yards) were profiled for disposal and disposed of at a Class III Landfill. An underground storage tank unauthorized release form was prepared by Aqua Science Engineers and filed with the Alameda County Health Care Services Department. A copy of this form is in Appendix D.

The tank excavation was not backfilled, but covered with a 1" trenchplate.



65 th Street



0 ft.  20 ft.
SCALE

AQUA SCIENCE ENGINEERS

General Site Plan for
Oliver Rubber
Emmeryville, CA

—figure one—

APPENDIX A

PERMITS

APPLICATION FOR PERMIT TO OPERATE, MAINTAIN OR STORE

Make check payable to: CITY OF EMERYVILLE
 Mail to: Emeryville Fire Department
 596-3750 Fire Prevention Bureau
 6303 Hollis Street
 PHONE: ~~596-3750~~ Emeryville, CA 94608

F.P.B. Permit No. 1157
 Due Date: _____
 Original X
 Renewal _____

~~XXXXXX~~
 To: ~~XXXXXX~~ Remove IG tank _____ Specify use if
~~XXXX~~ Public Assembly
 Pursuant to Section 4.108 of uniform Fire Code 1988 edition
 Application made by: Aqua Science Engineers, Inc.
 Location: 1200 65TH ST.
Oakland Ca 94662
 Signed Craig Hunt Applicant Phone # 685-6700

Date: 04/21/92
 Fee: \$35.00 (initial)
 Cash _____ Ck. No. 14723
 Receipt No. _____
 Received by: [Signature]

DO NOT WRITE BELOW THIS LINE

aqua science
ase engineers inc.
 1041 SHARY CIRCLE CONCORD, CA 94518

C CivicBank of Commerce
 1814 Franklin Street
 Oakland, CA 94612
 90-4095
 1211

014723
 NO.
 14723

FIFTY DOLLARS AND 00/100**

| | |
|---------|---------|
| DATE | AMOUNT |
| 4-20-92 | \$50.00 |

PAY TO THE ORDER OF
 CITY OF EMERYVILLE

VOID IF NOT CASHED WITHIN 3 MONTHS

[Signature]

⑈014723⑈ ⑆1211409591⑆ 1050219769⑈

DATE OF INSPECTION: _____
 REMARKS: \$35.00 filing fee; on-site inspection fee of \$50.00 p/hour (1st hour no charge); applicant to secure permits from Alameda County, City Building Dept., Public Works(right-of-way encroachment).

X = CK# 14723 / \$50.⁰⁰
 Signed [Signature] FIRE INSPECTOR No. _____

ACKNOWLEDGMENT

Bay Area Air Quality Management District
acknowledges receipt of your Tank
Removal/Contaminated Soil Excavation
Notification Form received on

6/17/92 ply

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

NOTIFICATION FORM

Removal or Replacement of Tanks
 Excavation of Contaminated Soil

INFORMATION

ZIP 94608

OWNER NAME Oliver Rubber Company

SPECIFIC LOCATION OF PROJECT Side Walk Area

TANK REMOVAL

SCHEDULED STARTUP DATE 6-24-92

VAPORS REMOVED BY:

- WATER WASH
- VAPOR FREEING (CO²)
- VENTILATION

CONTAMINATED SOIL EXCAVATION

SCHEDULED STARTUP DATE _____

STOCKPILES WILL BE COVERED? YES _____ NO _____

ALTERNATIVE METHOD OF AERATION (DESCRIBE BELOW):

(MAY REQUIRE PERMIT)

CONTRACTOR INFORMATION

NAME AGUA Science Eng.

CONTACT Steve DeHoge

ADDRESS 1041 Shary Circle

PHONE (510) 685-6700

CITY, STATE, ZIP Concord CA - 94518

CONSULTANT INFORMATION (IF APPLICABLE)

NAME _____ CONTACT _____

ADDRESS _____ PHONE () _____

CITY, STATE, ZIP _____

FOR OFFICE USE ONLY

DATE RECEIVED FAX 6/17/92

BY ply
(init.)

DATE POSTMARKED _____

BY _____
(init.)

CC: INSPECTOR NO. 524

DATE 6/17/92

BY ply
(init.)

UPDATE: CONTACT NAME _____

DATE _____

BY _____
(init.)

BAAQMD N # _____

DATA ENTRY 6/17/92

Permit Application and Job Notification Form

Construction Demolition Trenches Excavations Buildings Structures Falsework Scaffolding

State of California
Department of Industrial Relations
Division of Occupational Safety & Health

District (Name) _____
Date _____
No. _____

Sections 6500, 6501 and 6502 of the California Labor Code require that certain activities which by their nature involve substantial risk of injury may not be performed without a permit issued by DOSH. The Labor Code requires that the applicant

supply, and that the Division review information necessary to evaluate the safety of the worksite subject to permit requirements. A permit will not be issued until evidence has been demonstrated that the place of employment will be safe and healthful.

"Applicant" refers to the employer applying for the Permit

Employer: AQUA SCIENCE ENGINEERS, INC.
Address: 1041 SHARY CIRCLE
CONCORD, CA 94518
Phone: 510-685-6700

Project Safety Contact: STEVE DEHOPE
Employer's Representative: " "
Title & Phone No.: Construction Supervisor
Employer's State Contractor's License No.: 487000

Check Applicable Items: "Applicant" refers to the employer applying for the Permit

Applicant is:

- General Building Contractor
 General Engineering Contractor
 Specialty Contractor
Specialty Contractor Type HAZ
 Other _____

General Contractor Option

Initial this blank if applicant elects to assume responsibility for obtaining a single permit to cover one multi-employer project, e.g. a high-rise construction project. The duties of employers at the site to obey safety and health laws are not changed by this election. A list of employers on site will be attached by the Division to this application and the list will be updated as necessary.

Type of Permit Sought:

- Annual
 Single Project
 Job Start Notification Only

Multiple Project. (If projects to be covered are similar in all important aspects, work is performed by the same employer, and information concerning each project covered is provided.)

For

- Construction of Building Structure
 Demolition of Building Structure
 Trench and/or Excavation
 Tower Crane Erection, Dismantling
 Scaffolding and/or Falsework and/or Vertical Shoring

Any permit based on this application is issued with the understanding that the applicant has knowledge of occupational safety and health orders applicable to the project(s) described in this application and attachments, and that the applicant and supervising personnel will take special care to insure compliance with safety orders reviewed with the applicant by the Division in the application process.

Issuance of the permit is also conditioned upon the following:

- Upon initiation of any new project not described in this application, the holder of an annual permit will provide the Division with a completed Project Description Form describing the new project prior to the start of work, preferably at least one week in advance of start-up date. A phone call may be used to meet the deadline but will not be considered valid notice unless followed in writing by mailing a completed Project Description Form.
- The applicant has implemented a written accident prevention program and Code of Safe Practices which meet the requirements of 8 California Administrative Code Section 1509.
- The Division will be notified of significant changes in information provided with this application if such changes might affect the safety of the activity.

4) The applicant understands that, under the permit program, DOSH schedules routine inspections by authorized personnel for the purpose of verifying that holders of permits are meeting their obligation to provide a safe work place for their employees. The Division reserves the right to revoke a permit if it is unable to promptly verify compliance with the terms and conditions of the permit and its issuance.

5) The applicant understands that failure to comply with any of the above listed conditions for obtaining a permit could result in denial, suspension or revocation of the permit. Employers may appeal these actions to the Director of the Department of Industrial Relations (California Labor Code, Section 6500 et seq., and 8 California Administrative Code, Section 341).

Is the applicant conducting any activities to be covered by this permit application in partnership or joint venture with any other persons or corporations conducting activities requiring permits? Yes No If "yes" give details _____

Have any permits for any project to be covered by this permit application previously been applied for or obtained? Yes No If "yes" when _____ from what district office _____ in whose name _____

Permit Application and Job Notification Form

Construction Demolition Trenches Excavations Buildings Structures Falsework Scaffolding

State of California
 Department of Industrial Relations
 Division of Occupational Safety & Health

District (Name) _____
 Date _____
 No. _____

Sections 6500, 6501 and 6502 of the California Labor Code require that certain activities which by their nature involve substantial risk of injury may not be performed without a permit issued by DOSH. The Labor Code requires that the applicant

supply, and that the Division review, information necessary to evaluate the safety of the worksite subject to permit requirements. A permit will not be issued until evidence has been demonstrated that the place of employment will be safe and healthful.

"Applicant" refers to the employer applying for the Permit

Employer: AQUA SCIENCE ENGINEERS, INC.
 Address: 1041 SHARY CIRCLE
CONCORD, CA 94518
 Phone: 510-685-6700

Project Safety Contact: STEVE DEHOPE
 Employer's Representative: _____
 Title & Phone No.: Construction Supervisor
 Employer's State Contractor's License No.: 487000

Check Applicable Items: "Applicant" refers to the employer applying for the Permit

Applicant is:

- General Building Contractor
- General Engineering Contractor
- Specialty Contractor
- Specialty Contractor Type HAZ
- Other _____

General Contractor Option

Initial this blank if applicant elects to assume responsibility for obtaining a single permit to cover one multi-employer project, e.g., a high-rise construction project. The duties of employers at the site to obey safety and health laws are not changed by this election. A list of employers on site will be attached by the Division to this application and the list will be updated as necessary.

Type of Permit Sought:

- Annual
- Single Project
- Job Start Notification Only

Multiple Project. (If projects to be covered are similar in all important aspects, work is performed by the same employer, and information concerning each project covered is provided.)

For

- Construction of: Building Structure
- Demolition of: Building Structure
- Trench and/or Excavation
- Tower Crane Erection, Dismantling
- Scaffolding and/or Falsework and/or Vertical Shoring

Any permit based on this application is issued with the understanding that the applicant has knowledge of occupational safety and health orders applicable to the project(s) described in this application and attachments, and that the applicant and supervising personnel will take special care to insure compliance with safety orders reviewed with the applicant by the Division in the application process.

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- 2) The applicant has implemented a written accident prevention program and Code of Safe Practices which meet the requirements of 8 California Administrative Code Section 1509.
- 3) The Division will be notified of significant changes in information provided with this application if such changes might affect the safety of the activity.

4) The applicant understands that under the permit program DOSH schedules routine inspections by authorized personnel for the purpose of verifying that holders of permits are meeting their obligation to provide a safe work place for their employees. The Division reserves the right to revoke a permit if it is unable to promptly verify compliance with the terms and conditions of the permit and its issuance.

5) The applicant understands that failure to comply with any of the above listed conditions for obtaining a permit could result in denial, suspension or revocation of the permit. Employers may appeal these actions to the Director of the Department of Industrial Relations (California Labor Code, Section 6500 et seq., and 8 California Administrative Code, Section 341).

Is the applicant conducting any activities to be covered by this permit application in partnership or joint venture with any other persons or corporations conducting activities requiring permits? Yes No If "yes" give details _____

Have any permits for any project to be covered by this permit application previously been applied for or obtained? Yes No If "yes" when _____ from what district office _____ in whose name _____

Project Specialist (print) SUSAN L. HUGO

**ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
80 SWAN WAY, ROOM 200
OAKLAND, CA 94621
PHONE NO. 415/271-4320**

ACCEPTED
DEPARTMENT OF ENVIRONMENTAL HEALTH
470 - 27th Street, Third Floor
Oakland, CA 94612
Telephone: (415) 874-7237

These plans have been reviewed and found to be acceptable and essentially meet the requirements of State and local health laws. Changes to your plans indicated by this Department are to assure compliance with State and local laws. The permit area of this plan is now released for issuance of a permit but it is not to be used for construction.

Contractors on accepted plans must be on the job and all contractors and craftsmen involved with the removal.

A copy of the abstract of these plans and specifications will be available to the Fire and Building Department to determine if such work meets the requirements of State and local laws.

Notify the Department at least 48 hours prior to the following required inspections:

- Removal of Tank and Piping
- Sampling
- Final Inspection

Issuance of a permit to operate is dependent on compliance with accepted plans and all applicable laws and regulations.

THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS.

Please note change made on page 5.

*Susan L. Hugo
4/17/92*

UNDERGROUND TANK CLOSURE PLAN

***** Complete according to attached instructions *****

1. Business Name OLIVER RUBBER Co.
Business Owner STANDARD PRODUCTS Co.
2. Site Address 1259 65th STREET
City EMERYVILLE Zip 94608 Phone ⁽⁵¹⁰⁾ 654-7711
3. Mailing Address P.O. BOX 8447
City OAKLAND, CA Zip 94608 Phone ⁽⁵¹⁰⁾ 654-7711
4. Land Owner OLIVER RUBBER Co.
Address 1200 65th ST City, State EMERYVILLE, CA Zip 94608
5. Generator name under which tank will be manifested OLIVER RUBBER Co.
EPA I.D. No. under which tank will be manifested CAC000679616

6. Contractor AQUA SCIENCE ENGINEERS
Address 1041 SHARY CIRCLE
City CONCORD, CA Phone (510) 685-6700
License Type ENG. A ID# 487000

7. Consultant AQUA SCIENCE ENGINEERS
Address 1041 SHARY CIRCLE
City CONCORD, CA Phone (510) 685-6700

8. Contact Person for Investigation
Name DAVID PRULL Title PROJECT MANAGER
Phone (510) 685-6700

9. Number of tanks being closed under this plan ①
Length of piping being removed under this plan 0 ft.
Total number of tanks at facility 2

10. State Registered Hazardous Waste Transporters/Facilities (see instructions).

**** Underground tanks are hazardous waste and must be handled **
as hazardous waste**

a) Product/Residual Sludge/Rinsate Transporter

Name WASTE OIL RECO. EPA I.D. No. CAAD000626515
2015-843
Hauler License No. CAL-PUC-116399 License Exp. Date 4/52
Address 6401 LEONA STREET
City OAKLAND State CA zip 94605

b) Product/Residual Sludge/Rinsate Disposal Site

Name DEMENNO KERDOON EPA I.D. No. CAT080013352
Address 2000 N. ALAMEDA
City COMPTON State CA zip 90221

c) Tank and Piping Transporter

Name ERICKSON, INC. EPA I.D. No. CA009466392

Hauler License No. 0019 License Exp. Date 5-92

Address 255 PARR BOULEVARD

City RICHMOND State CA Zip 94801

d) Tank and Piping Disposal Site

Name ERICKSON, INC. EPA I.D. No. CA009466392

Address 255 PARR BOULEVARD

City RICHMOND State CA Zip 94801

11. Experienced Sample Collector

Name DAVID C. PRULL

Company AQUA SCIENCE ENGINEERS

Address 1041 SHARY CIRCLE

City CONCORD State CA Zip 94518 Phone (510) 685-6700

12. Laboratory

Name CHROMALAR, INC.

Address 2239 OMEGA RD. #1

City SAN RAMON State CA Zip 94583

State Certification No. E-694

13. Have tanks or pipes leaked in the past? Yes [] No [X]

If yes, describe. _____

14. Describe methods to be used for rendering tank inert

DRY ICE AT A RATE OF 1.5 POUNDS
PER 100 GALLONS OF TANK VOLUME
AS A MINIMUM

Before tanks are pumped out and inerted, all associated piping must be flushed out into the tanks. All accessible associated piping must then be removed. Inaccessible piping must be plugged.

The Bay Area Air Quality Management District (771-6000), along with local Fire and Building Departments, must also be contacted for tank removal permits. Fire departments typically require the use of explosion proof combustible gas meters to verify tank inertness. It is the contractor's responsibility to bring a working combustible gas meter on site to verify tank inertness.

15. Tank History and Sampling Information

| Tank | | Material to be sampled (tank contents, soil, ground-water, etc.) | Location and Depth of Samples |
|----------|--|--|---|
| Capacity | Use History (see instructions) | | |
| 500 gal. | INSTALLATION DATE UNKNOWN LAST USE DATE UNKNOWN TANK CURRENTLY CONTAINS LOW GRADE "BUNKER OIL" | <u>SOIL</u> ⑥ GROUNDWATER INTERFACE OR 2' BELOW TANK INVERT <u>GROUNDWATER</u> IF ENCOUNTERED | ① SOIL SAMPLE MIDDLE OF TANK APPROX. 9.0 FT. BELOW GRADE ① WATER SAMPLE IF GROUNDWATER ENCOUNTERED |

One soil sample must be collected for every 20 feet of piping that is removed. A ground water sample must be collected should any ground water be present in the excavation.

Excavated/Stockpiled Soil

| | |
|---|--|
| Stockpiled Soil Volume (Estimated) <i>10 gal.</i> | Sampling Plan <i>1 SAMPLE, COLLATED FROM 4 SUB-SAMPLES SELECTED RANDOMLY, ANALYZE FOR TANK CONTENT</i> <i>Stockpiled soil must be characterized. Shd. depending on disposal method.</i> |
|---|--|

Stockpiled soil must be placed on bermed plastic and must be completely covered by plastic sheeting.

16. Chemical methods and associated detection limits to be used for analyzing samples

The Tri-Regional Board recommended minimum verification analyses and practical quantitation reporting limits should be followed. See attached Table 2.

| Contaminant Sought | EPA, DHS, or Other Sample Preparation Method Number | EPA, DHS, or Other Analysis Method Number | Method Detection Limit |
|-------------------------------|---|---|-------------------------|
| <i>BUNKER OIL (FUEL OIL)</i> | <i>EPA GC-FID (3550)</i> | <i>3550</i> | <i>1. ppm</i> |
| <i>TOTAL OIL & GREASE</i> | <i>STANDARD METHOD 5520 E&F</i> | <i>STANDARD METHOD 5520 E&F</i> | <i>50 ppm (soil)</i> |
| <i>IPH diesel</i> | <i>3550</i> | <i>GC FID</i> | <i>1.0 ppm (soil)</i> |
| <i>EXCEL</i> | <i>8020</i> | <i>8020 113240</i> | <i>1.005 ppm (soil)</i> |

17. Submit Site Health and Safety Plan (See Instructions)

18. Submit Worker's Compensation Certificate copy

Name of Insurer OHIO CASUALTY GROUP

19. Submit Plot Plan (See Instructions)

20. Enclose Deposit (See Instructions)

21. Report any leaks or contamination to this office within 5 days of discovery. The report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report form. (see Instructions)

22. Submit a closure report to this office within 60 days of the tank removal. This report must contain all the information listed in item 22 of the instructions.

I declare that to the best of my knowledge and belief the statements and information provided above are correct and true.

I understand that information in addition to that provided above may be needed in order to obtain an approval from the Department of Environmental Health and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

I understand that all work performed during this project will be done in compliance with all applicable OSHA (Occupational Safety and Health Administration) requirements concerning personnel health and safety. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Once I have received my stamped, accepted closure plan, I will contact the project Hazardous Materials Specialist at least three working days in advance of site work to schedule the required inspections.

Signature of Contractor

Name (please type) DAVID C. FROLL

Signature *David C. Froll*

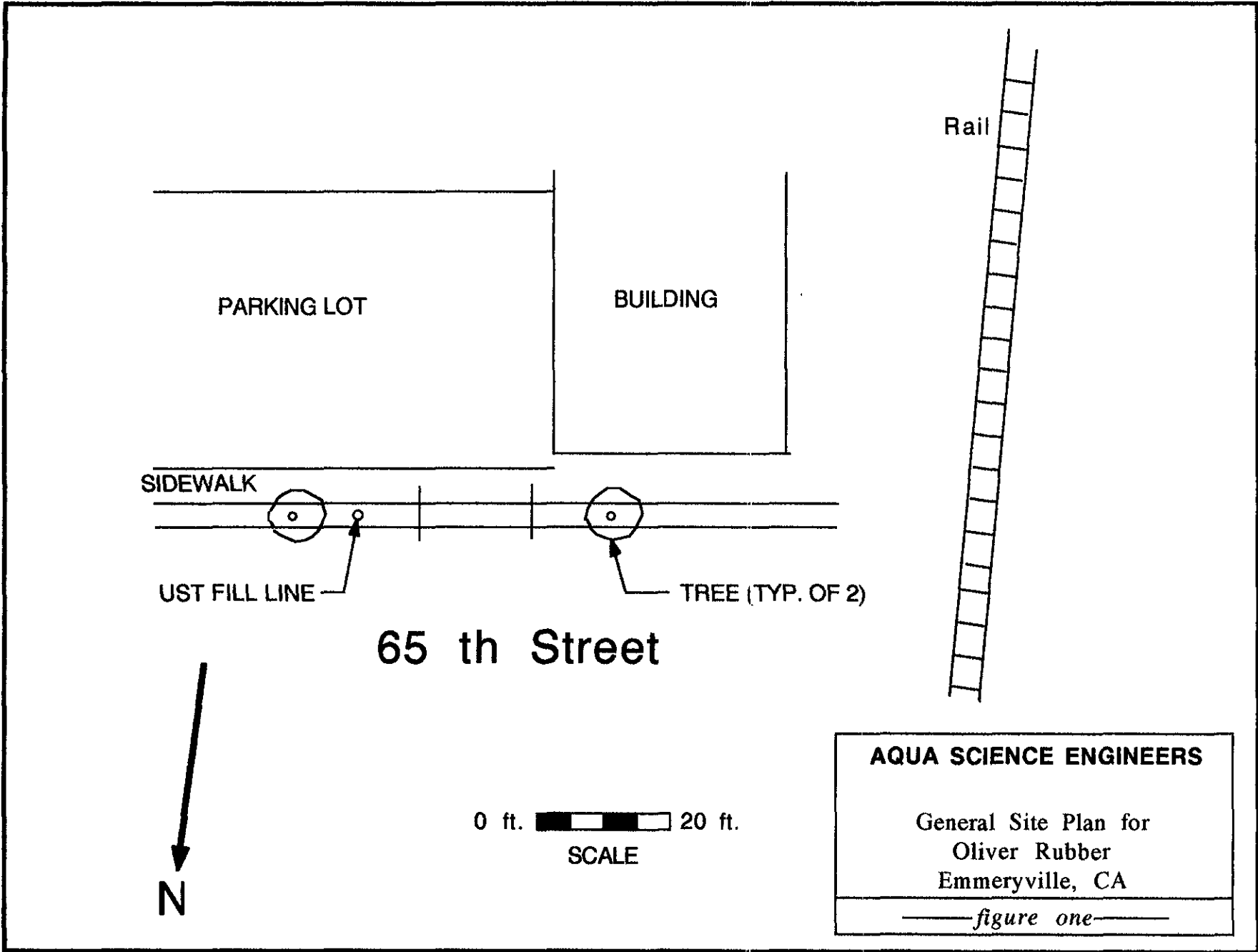
Date 3/23/92

Signature of Site Owner or Operator

Name (please type) REN Kessler

Signature *Ren Kessler*

Date 3/27/92



HEALTH & SAFETY PLAN

for the

OLIVER RUBBER JOBSITE
1259 65th STREET
EMERYVILLE, CA

prepared by

Aqua Science Engineers, Inc.
1041 Shary Circle
Concord, CA 94518
1 (800) 678-9391

AQUA SCIENCE ENGINEERS, INC.
HEALTH & SAFETY PLAN
for the
OLIVER RUBBER JOBSITE

A. GENERAL DESCRIPTION

Site: 1259 65TH STREET, EMERYVILLE CALIFORNIA

- Work Scope:*
1. PROVIDE EXCAVATION SERVICES FOR TANK REMOVAL.
 2. PROVIDE EXTRICATION OF ONE 500 GALLON UNDERGROUND STORAGE TANKS.
 3. SAMPLE SOIL AND WATER UPON SUCCESSFUL COMPLETION OF TANK REMOVAL. EXECUTE BACKFILLING OPERATIONS.
 4. RESURFACE EXCAVATION AREA AND RESTORE TO PREVIOUS USABLE CONDITION.

NOTE: UST CURRENTLY CONTAINS "BUNKER OIL," LOW GRADE FUEL OIL.

SAFETY POLICY:

This Health and Safety Plan is written specifically for the Oliver Rubber jobsite, located at 1259 65th Street, Emeryville California. This plan does not include specific procedures for tank removal and/or soil offhaul, but addresses hazards associated with these and related activities. All persons on site will follow OSHA safe operating practices as outlined in 29 CFR 1910 and 1926, as well as established guidelines from their respective companies or organizations.

Plan Prepared by: David Prull *Date:* 3/23/92

Plan Approved by: David Prull *Date:* 3/23/92

Proposed Start Date: April 7, 1992

Overall Hazard Level: Serious: Low:
 Moderate: XX Unknown:

Project Organization:

Site Manager for A.S.E.: Steve DeHope
A.S.E. Safety Officer: David Prull
Other A.S.E Personnel: Craig Hertz

B. SITE/WASTE CHARACTERISTICS

Waste Type(s): Solid: XX Sludge:
Liquid: XX Gas:

Characteristics: PETROLEUM FUEL RESIDUALS, FLAMMABLE, TOXIC

Site Parameter: THE EXCAVATION PIT AS WELL AS ANY STOCKPILED MATERIAL ARE IDENTIFIED AS EXCLUSION ZONES. A MINIMUM BOUNDARY OF THREE FEET SURROUNDING BOTH IS TO BE MAINTAINED IN AS MUCH AS IS POSSIBLE. AT NO TIME SHALL ANY PERSONNEL ENTER THE EXCAVATION WITHOUT A SAFETY WATCH PERSON STANDING BY OBSERVING THE ENTRY PERSON'S ACTIVITY.

C. HAZARD EVALUATION

CHEMICAL HAZARDS

Potential chemical hazards include skin and eye contact or inhalation exposure to potentially toxic concentrations of hydrocarbon vapors. The potential toxic compounds that may exist at the site are listed below, with descriptions of specific health effects of each. The list includes the primary potential toxic constituents that may be found in gasoline, and the ingredients that are found in the petroleum solvent residue of the second tank. (excerpted from NIOSH Pocket Guide to Chemical Hazards, June 1990).

GASOLINE TANK

1. BENZENE

- a. Colorless, clear, highly flammable liquid (class 1B) with characteristic odor.
- b. High exposure levels may cause acute restlessness, convulsions, depression, respiratory failure. *BENZENE IS A SUSPECTED CARCINOGEN.*
- c. Permissible exposure level (PEL) for a time weighted average (TWA) over an eight hour period is 1.0 ppm.

2. TOLUENE

- a. Colorless, flammable liquid (class 1B) with a sweet benzene-like odor.
- b. High exposure levels may cause fatigue, euphoria, confusion, dizziness. *TOLUENE IS LESS TOXIC THEN BENZENE.*
- c. PEL for a ten hour TWA is 100 ppm.

3. XYLENE

- a. Colorless, flammable liquid (class 1B or 1C depending on isomers) with aromatic odors.
- b. high exposure levels may cause dizziness, drowsiness, narcosis.
- c. PEL for a ten hour TWA is 100 ppm.

4. ETHYLBENZENE

- a. Clear, colorless, highly flammable liquid (class 1B) with characteristic odor.
- b. High exposure levels may cause irritation to skin, nose and throat, constriction in chest, loss of consciousness, respiratory failure.
- c. PEL for an eight hour TWA is 100 ppm.

ALL SUBSTANCES AS THEY EXIST ON SITE ARE EXPECTED TO BE STABLE.

Site Status: ACTIVE: XX INACTIVE:

Site History: THE SITE IS CURRENTLY PARKING AREA ASSOCIATED WITH A RUBBER PRODUCT MANUFACTURING PLANT. A FACILITIES BUILDING HISTORICALLY LOCATED AT THE SITE.

PHYSICAL HAZARDS

No person will climb on any excavated material piles without a safety person observing that activity. Personnel shall otherwise maintain the maximum distance possible from the pit while performing their activities. On-site hazards include physical injuries due to the proximity of workers to engine-driven heavy equipment and tools. Equipment used during excavation may include a backhoe or other excavator, a crane for lifting the tanks and a mechanical tamper or other equipment as part of the subsequent backfilling operations. Only trained personnel will operate machines, tools and equipment; all equipment will be kept clean and in good repair. MANDATORY SAFETY CLOTHING REQUIRED AROUND HEAVY EQUIPMENT WILL INCLUDE A HARDHAT AND STEEL-TOED BOOTS AT A MINIMUM.

ALL WORK WILL BE PERFORMED IN ACCORDANCE WITH OSHA GUIDELINES.

Daily inspections of the excavation, the adjacent areas, and protective systems are to be made by a qualified person while personnel are on site. Attention will be made to note if any evidence of potential cave-in exists.

HAVE AT LEAST ONE DRY CHEMICAL MODEL PA-200 A-B-C FIRE EXTINGUISHER PRESENT.

LEVEL OF PROTECTION

A contamination Reduction Zone (CRZ) will be maintained and adjusted as work proceeds and moves around the site. The workers on site will wear level 'D' protective clothing. (This protection level may be upgraded after on-site conclusions of data are completed). THE LEVEL OF PROTECTION FOR PERSONNEL WORKING IN THE AREA WILL BE UPGRADED IF; the organic vapor levels in the equipment operator's breathing zone exceeds 5 ppm above background levels continuously for more then five minutes. In this event, personnel protective equipment will include full face respirators with double-cartridge filters for organic vapors and particulates, in addition to hardhat, steel-toed boots and coveralls. Excavation will cease, equipment shutdown, and personnel will withdraw from the area if either 1.) the organic concentration in the operator's breathing zone exceeds 200 ppm for 5 minutes or 2.) the organic vapor concentration two feet above the excavation exceeds 2,000 ppm or 25% of the lower explosive limit. If work proceeds in an environment where organic vapor concentrations exceed 200 ppm, a self contained breathing apparatus or airline respirator will be utilized by the personnel.

Levels of Protective Clothing are defined on the following pages as described in the "EPA Standard Operating Safety Guidelines":

LEVEL A PROTECTION

Components:

- 1.) Pressure-demand, supplied air respirator that is MSHA and NIOSH approved. Respirators may be pressure demand, self contained breathing apparatus (SCBA), or pressure demand, airline respirator with an escape bottle for atmospheres with an extreme IDLH.
- 2.) Fully encapsulating chemical resistant suit.
- 3.) Inner, chemical resistant gloves.
- 4.) Disposable gloves and boot covers, worn over the fully encapsulating suit.
- 5.) 2-way radio communications is highly recommended.

LEVEL B PROTECTION

Components:

- 1.) Pressure-demand, supplied air respirator that is MSHA and NIOSH approved. Respirators may be pressure demand, self contained breathing apparatus (SCBA), or pressure demand, airline respirator with an escape bottle for atmospheres with an extreme IDLH.
- 2.) Chemical resistant clothing which includes overalls and long sleeved jacket or, hooded one or two piece chemical splash suit or disposable chemical resistant one piece suit..
- 3.) Outer chemical resistant gloves.
- 4.) Inner chemical resistant gloves.
- 5.) Chemical resistant, steel toed and shank boots.
- 6.) Disposable chemical resistant boot covers.
- 7.) Hardhat.
- 8.) 2-way radio communications is highly recommended.

LEVEL C PROTECTION

Components:

- 1.) Air purifying respirator, full face, with twin cartridge or cannister equipped filters, that are MSHA and NIOSH approved.
- 2.) Chemical resistant clothing which includes coveralls or, hooded one-piece or two-piece chemical splash suit or chemical resistant hood and apron; disposable chemical resistant coveralls.
- 3.) Outer chemical resistant gloves.
- 4.) Inner chemical resistant gloves.
- 5.) Chemical resistant, steel toed and shank boots.
- 6.) Disposable chemical resistant boot covers.
- 7.) Hardhat.
- 8.) 2-way radio communications is recommended.

LEVEL D PROTECTION

Components:

- 1.) Coveralls.
- 2.) Gloves.
- 3.) Leather boots, shoes or chemical resistant, with steel toe and shank.
- 4.) Safety glasses or chemical splash goggles.
- 5.) Hardhat or face shield.

COMBUSTIBLE GAS AND ORGANIC VAPOR MONITORING

Site personnel will monitor ambient levels of combustible gas vapors using a Thermo Environmental Instruments model 580A or a Gastech model GX-88 OVM. Volatile organic vapor levels greater than 5 ppm above background levels in the hot zone are not anticipated. If the OVM measurements do not decrease below 5 ppm, level 'C' protection will be required. The site Project Manager will be notified if organic vapor levels in the air samples exceed ambient concentrations.

A wetting agent or some form of dust control is recommended to reduce the airborne dust level and subsequent particulate hazard. HEPA respirator cartridges are also recommended as needed.

SITE ENTRY PROCEDURES

Any personnel entering the site will observe all conditions set forth by the owner of the property, including vehicle travel speeds, restricted areas and conduct.

Eating, drinking, smoking and other practices which increase the probability of hand-to-mouth transfer of contamination is prohibited in the work zone. All field personnel will be instructed to thoroughly wash their hands and face upon leaving the work area for breaks or cessation of day's activities. A first aid kit and at least one 20 pound A-B-C fire extinguisher will be available at the site.

DECONTAMINATION PROCEDURES

If required, equipment and personnel decontamination areas will be designated by the Project Manager at the start of the project. To prevent the transfer of contamination from the work site into clean areas, all tools will be cleaned adequately prior to final removal from the work zone. Protective clothing such as Tyvek coveralls, latex gloves, boot covers, etc. will be changed on a daily basis or at the discretion of the Project Manager on site. All disposable protective clothing will be put into plastic bags and disposed of in a proper manner. All respirator cartridges will be discarded and replaced with fresh units on a daily basis, disposal will be in the same manner as the protective clothing. Excavated soils will be stockpiled in an area designated by the Project Manager, until chemical analysis has been performed on representative samples.

In the event of a medical emergency, the injured party will be taken through decontamination procedures, if possible. However, the procedures may be omitted when it may aggravate or cause further harm to the injured party. Member of the work team will accompany the injured party to the medical facility to advise on matters concerning chemical exposure.

Personnel Protection Level will be Level 'D'. Protective clothing levels may be upgraded in the event that on site conclusions determine a greater than anticipated danger to personnel.

SPECIAL CONDITIONS

Site Entry: NORMAL, NO SPECIAL CONDITIONS

Decontamination-

Personnel and Equipment: IF REQUIRED, PERSONNEL AND EQUIPMENT WILL BE DECONTAMINATED A PER USEPA STANDARD OPERATING SAFETY GUIDELINES. A SMALLER MODIFIED DECONTAMINATION LINE MAY BE USED DUE TO SPACE RESTRICTIONS.

Work Limitations (time, weather):

NONE ARE ANTICIPATED, HOWEVER, PERSONNEL WORKING ON SITE MAY EXPERIENCE ELEVATED TEMPERATURES DURING THE WORK DAY. IN THE EVENT THAT AMBIENT TEMPERATURES REACH OR EXCEED 80 DEGREES FAHRENHEIT, THE FOLLOWING GUIDELINES ARE RECOMMENDED.

1. Periods of work should be reduced to no less than one hour time frames and separated by breaks intended to reduce personnel stress due to reduced natural ventilation from wearing protective clothing.

2. All personnel wearing level C protective clothing or greater, will be subject to medical monitoring of body temperature after work periods, by the following guidelines;

a. Heart Rate (HR) should be measured by counting the radial pulse rate for 30 seconds and doubling count for the correct pulse rate. This should be done as early as possible in the resting period. The HR at the beginning of the rest period should not exceed 110 beats per minute.

If the HR is higher, the next work period should be shortened by 10 minutes, while the length of the rest period remains the same. If the HR is 100 beats per minute at the beginning of the next rest period, the following work period should be shortened by an additional 10 minutes.

b. Body temperatures should be measured orally with a clinical thermometer as soon as possible in each resting period. Oral Temperatures (OT) should not exceed 99 degrees Fahrenheit. If it does, the next work period should be reduced by 10 minutes while the length of the resting period remains the same. If the OT exceeds 99 degrees Fahrenheit at the beginning of the next work period, the following work period should be reduced by an additional 10 minutes. OT should be measured at the end of each rest period to ensure that the body's temperature has dropped below 99 degrees Fahrenheit.

Body Water Loss (BWL) from sweating, could result in dehydration and further complications and stress on personnel working in protective clothing under adverse weather conditions. It is strongly recommended that plenty of stress relief beverages be available on site to replace body fluids. Commercial drink mixes that provide electrolyte balancing solutions or water are adequate for replacing body fluids.

Alternate methods of heat stress reduction can be made available such as,

Portable showers or hose-down facilities,

Shelter cover to protect against direct sunlight,

Rotating teams of personnel wearing protective clothing,

Performing extremely arduous tasks early in the workday.

EMERGENCY INFORMATION

In the event of an injury or suspected chemical exposure, the first responsibility of the Project Manager will be to prevent any further injury. This objective will normally require an immediate stop to work until the situation is remedied. The Project Manager may order the evacuation of the work party. Other primary responsibilities in the event of an accident will be the first aid and decontamination of the injured team member(s). The injured party will be moved to a designated safe area and initial first aid will be rendered.

Employees are asked to make every effort and take personnel responsibility to prevent accidents involving machinery or any other aspect of the job, either by individual action or by notifying the Project Manager immediately of any unsafe condition that may exist.

In the event of an unexpected hazardous material discovery on site, the following actions will be taken by any employee involved;

1. The person having uncovered the unexpected material will notify the Project Manager and other workers of the danger. The site will be cleared of personnel if deemed necessary by the Project Manager. If site evacuation is required, appropriate local agencies such as the Fire Department or Health Department will be notified as well.
2. Immediate action will be taken to contain the hazardous material, provided the workers involved are properly attired with adequate protective clothing to avoid exposure.
3. Proper containment procedures will be determined for the hazardous material encountered prior to cleanup commencing. All personnel involved in the containment effort will be properly protected to prevent exposure. Backup personnel will be similarly protected while monitoring the work being done for any additional dangers.
4. The container(s) will be staged on site, away from the major activity areas and in such a way that if loss of containment occurs, the material will be withheld from further spread by a secondary containment berm or vessel.
5. The owner or agent controller of the property will be notified promptly of the incident and will be apprised as to the options available for proper disposal.

ACUTE EXPOSURE SYMPTOMS AND FIRST AID

| <u>EXPOSURE ROUTE</u> | <u>SYMPTOMS</u> | <u>FIRST AID</u> |
|-----------------------|--|--|
| Skin | Dermatitis, itching redness, swelling | Wash immediately with soap and water contact ambulance if evacuation is needed. |
| Eyes | Irritation, watering | Flush with water, transport directly to emergency room, if necessary. |
| Inhalation | Vertigo, tremors stupor, dizziness | Move person to fresh air, cover source of exposure. |
| Ingestion | Nausea, vomiting | Call Poison Control Center, DO NOT <u>INDUCE VOMITING</u> , transport to medical facility. |

Local Resources:

HEALTH AND SAFETY CONTACT FOR ASE:

Michael D. Dirk
Office: (415) 820-9391

Ambulance |
Police : 911
Fire |

POISON CONTROL: SF (415) 476-6600

Emergency Route to nearest Medical Facility:

Exit site, Travel WEST on 65th Street
LEFT on San Pablo Avenue
RIGHT on Ashby Avenue (Hwy. 13)
RIGHT on Colby Plaza

HOSPITAL IS NEAR THE CORNER OF ASHBY AY COLBY PLAZA

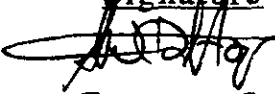

Hospital: - ALTA BATES HOSPITAL

3001 COLBY PLAZA, BERKELEY 540-0337 ext 6

AQUA SCIENCE ENGINEERS

signature page for
Oliver Rubber Jobsite

The below signed personnel have read this plan, understand
it's content, and agree to follow the guidelines set forth.

| <u>Name (print)</u> | <u>Signature</u> | <u>Project Assignment</u> | <u>Date</u> |
|---------------------|---|---------------------------|-------------|
| STEVE Deltore |  | project MAnnger | 6/24/92 |
| GERALD W SASSE |  | OPERATOR | 6/24/92 |

APPENDIX B

HAZARDOUS WASTE MANIFEST

9168534
 GENERATOR
 TRANSPORTER
 FACILITY
 IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7660

| | | | | | |
|--|--|--|--|--|---|
| UNIFORM HAZARDOUS WASTE MANIFEST | | 1. Generator's US EPA ID No. C1A1C101016171916116 | Manifest Document No. 813161015 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law. |
| 3. Generator's Name and Mailing Address Oliver Rubber Co. P.O. Box 8447 - Oakland, California 94608 | | | A. State Manifest Document Number 91688534 | | |
| 4. Generator's Phone (510) 654-7711 | | | B. State Generator's ID | | |
| 5. Transporter 1 Company Name Dexona, Ltd. | | 6. US EPA ID Number C1AD9181214131815616 | | C. State Transporter's ID 308785 | |
| 7. Transporter 2 Company Name | | 8. US EPA ID Number | | D. Transporter's Phone (510) 654-1498 | |
| 9. Designated Facility Name and Site Address Erickson, Inc. 255 Parr Blvd. Richmond, California 94801 | | 10. US EPA ID Number C1AD101094161613912 | | E. State Transporter's ID | |
| | | | | F. Transporter's Phone | |
| | | | | G. State Facility's ID | |
| | | | | H. Facility's Phone (510) 235-1393 | |
| 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) a. Waste Empty Storage Tank NON-RCRA Hazardous Waste Solid. | | 12. Containers | | 13. Total Quantity | |
| | | No. | Type | Quantity | 14. Unit Wt/Vol |
| | | 0 0 1 T P | | 10 7 5 0 P | |
| | | | | I. Waste Number State 512 EPA/Other NONE | |
| | | | | State EPA/Other | |
| | | | | State EPA/Other | |
| | | | | State EPA/Other | |
| J. Additional Descriptions for Materials Listed Above Qty. 1 Empty Storage Tank # 8992. Tank has been inerted with 15 lbs. Dry Ice per 1000 gals. capacity. | | | K. Handling Codes for Wastes Listed Above | | |
| | | | a. | | |
| | | | b. | | |
| | | | c. | | |
| | | | d. | | |
| 15. Special Handling Instructions and Additional Information Keep away from sources of ignition. Always wear hardhats when working around U.S.T.'s. Site location: 1259 - 65th Street Emeryville, California 24 Hr. Contact Name: Ron Kessler - Phone Number (510) 654-7711 | | | | | |
| 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. | | | | | |
| Printed/Typed Name D. KESSLER | | Signature <i>[Signature]</i> | | Month Day Year 0 6 12 4 19 12 | |
| 17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Lawrence F. DeKalb | | Signature <i>[Signature]</i> | | Month Day Year 0 6 12 4 19 12 | |
| 18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name | | Signature | | Month Day Year | |
| 19. Discrepancy Indication Space | | | | | |
| 20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. | | | | | |
| Printed/Typed Name | | Signature | | Month Day Year | |

DO NOT WRITE BELOW THIS LINE.

LIQUID WASTE
CONTAINER

INTERCOM/REG

| 1. Material Description (including proper shipping name, hazard class, and ID number) | 2. Containers | | 3. Total Quantity | 4. Unit (kg, L, m ³ , etc.) |
|---|---------------|------|-------------------|--|
| | No. | Type | | |
| LIQUID WASTE (WASTE OIL) IN 100L CONTAINERS 1270 | 1270 | CONT | 1550 L | |
| | | | | |
| | | | | |
| | | | | |

5. Special Handling Instructions and Additional Information
 NONE (PROTECTIVE CONTAINERS)

6. Certification of Generator: I hereby certify that the contents of this manifest and the data appearing thereon above by proper shipping name, hazard class, ID number, and quantity, and are in all respects in proper condition for transport by air, water, or highway according to applicable international and national governmental regulations.
 If this is a large quantity generator, I hereby certify that a program is in place to reduce the volume and toxicity of waste generated to the degree I have determined to be practically achievable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. If I am a small quantity generator, I have made a good faith effort to minimize my waste generation and selected the most appropriate management method that is available to me and that I can afford.

Printed/Typed Name: [Signature] Signature: [Signature] Month Day Year: 06/27/92

7. Transporter: 1. Name/Address of Carrier or Operator
 Printed/Typed Name: [Signature] Signature: [Signature] Month Day Year: 06/27/92

8. Transporter: 2. Acknowledgment of Receipt of Materials
 Printed/Typed Name: [Signature] Signature: [Signature] Month Day Year: [] [] []

9. Discrepancy Indication Space

10. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 10.
 Printed/Typed Name: [Signature] Signature: [Signature] Month Day Year: [] [] []

Do Not Write Below This Line

YELLOW: GENERATOR RETAINS

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name Oliver Rubber Co. Generating Location Oliver Rubber Co.
 Address 1200 65th St Emeryville Address 1200 65th St Emeryville
CA 94662 CA 94662

Phone No. 510-6547711 Phone No. 510-6547711

| | | | | | | | | |
|--|-----------|------------|---------------|--------------|------------|-----------|------------|------------|
| BFI Waste Code | <u>CA</u> | <u>405</u> | <u>071092</u> | <u>40811</u> | Containers | | | Type |
| Description of Waste | | | | Quantity | Units | No. | Type | |
| <u>Soil contaminated with oil & grease</u> | | | | <u>18</u> | <u>4</u> | <u>01</u> | <u>T</u> | D - Drum |
| | | | | | | | | C - Carton |
| | | | | | | | | B - Bag |
| | | | | | | | T - Truck | |
| | | | | | | | P - Pounds | |
| | | | | | | | Y - Yards | |
| | | | | | | | O - Other | |

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name Steve DeHope Signature [Signature] Shipment Date 071592

TRANSPORTER

Truck No. # 201 Phone No. (510) 732-6873
 Transporter Name A.S.T. Driver Name (Print) STEVE GOLDMAN
 Address P.O. Box 2105 Vehicle License No./State 1U31207
CASTRO VALLEY, CALIF. Vehicle Certification NON-HAZ.

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature [Signature] Shipment Date 071592 Driver Signature [Signature] Delivery Date 071592

DESTINATION

Site Name VASCO ROAD LANDFILL Phone No. 510-4420491
 Address 4001 N VASCO RD Livermore 94550

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

Name of Authorized Agent _____ Signature [Signature] Receipt Date 071592

PASS CODE _____

HAZARDOUS WASTE MANIFEST

GENERATOR

Company Name: Rubber Co. Generating Location: Rubber Co.
Address: 1200 65th St. Emeryville CA 94662

Phone No. 510-6547711

| BFI Waste Code | Description of Waste | Quantity | Units | Containers | | Type |
|--------------------|-------------------------------------|----------|-------|------------|------|--|
| | | | | No. | Type | |
| CA 405 071092 4081 | Soil contaminated with oil & grease | 18 | Y | 01 | T | D - Drum C - Carton B - Bag T - Truck P - Pounds Y - Yards O - Other |
| | | | | | | |
| | | | | | | |

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name: Steve Belltype
Signature: [Signature]
Shipment Date: 071592

TRANSPORTER

Truck No. # 304 Phone No. (510) 732-6873
Transporter Name: A-2-T Driver Name (Print): Don Clark
Address: PO Box 205 Castro Valley Vehicle License No./State: 4E09086
Vehicle Certification: Non-HWZ

I hereby certify that the above named material was picked up at the generator site listed above.
I hereby certify that the above named material was delivered without incident to the destination listed below.
Driver Signature: Don Clark Shipment Date: 071592
Driver Signature: [Signature] Delivery Date: 071592

DESTINATION

Site Name: Vasco Road Landfill Phone No. 510-4470491
Address: 4001 N Vasco Rd Livermore 94550

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.
Name of Authorized Agent: [Signature] Receipt Date: 071592

PASS CODE

APPENDIX C

LABORATORY ANALYSIS and CHAIN OF CUSTODY



PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

June 29, 1992

PEL # 920651

AQUA SCIENCE ENGINEERS, INC.

Attn: Steve DeHope

Re: Seven soil samples for BTEX, Diesel, total Recoverable Hydrocarbons, and Oil & Grease analyses.

Project name: Oliver Rubber Company

Project location: 1200 65th Ave.

Project number: 2516


Date sampled: June 24-26, 1992
Date extracted: June 26-29, 1992

Date submitted: June 26, 1992
Date analyzed: June 26-29, 1992

RESULTS:

| SAMPLE I.D. | Total Recoverable Hydrocarbons (mg/Kg) | Diesel (mg/Kg) | Benzene (ug/Kg) | Toluene (ug/Kg) | Ethyl Benzene (ug/Kg) | Total Xylenes (ug/Kg) | Oil & Grease (mg/Kg) |
|--------------------|--|----------------|-----------------|-----------------|-----------------------|-----------------------|----------------------|
| STKP 1-A * | 1200 | --- | --- | --- | --- | --- | --- |
| BE | --- | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. |
| BW | --- | 390 | N.D. | N.D. | N.D. | N.D. | 670 |
| SW-E | --- | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. |
| SW-N | --- | 490 | 42 | 48 | 5.9 | 100 | 1500 |
| SW-S | --- | 470 | 8.6 | 19 | 27 | 130 | 1300 |
| SW-W | --- | 130 | 19 | 6.7 | N.D. | 33 | 450 |
| Blank Spiked | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. |
| Recovery | --- | 92.3% | 99.7% | 98.6% | 87.9% | 81.8% | --- |
| Duplicate Spiked | --- | 91.5% | 82.7% | 88.8% | 86.7% | 87.4% | --- |
| Detection limit | 10 | 1.0 | 5.0 | 5.0 | 5.0 | 5.0 | 10 |
| Method of Analysis | 418.1 | 3550 / 8015 | 8020 | 8020 | 8020 | 8020 | 5520 D & F |

* Compositated soil sample.



David Duong
Laboratory Director



PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

July 02, 1992

PEL # 920651

AQUA SCIENCE ENGINEERS, INC.

Attn: Steve DeHope

Re: One composited soil sample for TCLP BTEX analysis.

Project name: Oliver Rubber Company

Project location: 1200 65th Ave.

Project number: 2516

Date sampled: June 26, 1992

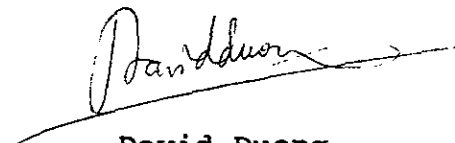
Date submitted: June 26, 1992

Date extracted: June 28-30, 1992

Date analyzed: July 01, 1992

RESULTS:

| SAMPLE I.D. | Benzene (ug/L) | Toluene (ug/L) | Ethyl Benzene (ug/L) | Total Xylenes (ug/L) |
|--------------------|----------------|----------------|----------------------|----------------------|
| STKP 1a | N.D. | N.D. | N.D. | N.D. |
| Blank | N.D. | N.D. | N.D. | N.D. |
| Spiked Recovery | 88.2% | 90.1% | 93.4% | 97.8% |
| Detection limit | 1.0 | 1.0 | 1.0 | 1.0 |
| Method of Analysis | 1311 / 602 | 1311 / 602 | 1311 / 602 | 1311 / 602 |


David Duong
Laboratory Director



PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

June 29, 1992

PEL # 920651

AQUA SCIENCE ENGINEERS, INC.

Attn: Steve DeHope

Re: One composited soil sample for RCI analysis.

Project name: Oliver Rubber Company

Project location: 1200 65th Ave.

Project number: 2516

Date sampled: June 26, 1992


Date submitted: June 26, 1992

Date extracted: June 26-27, 1992

Date analyzed: June 26-27, 1992

RESULTS:

| SAMPLE I.D. | REACTIVITY | CORROSIVITY | IGNITABILITY |
|-----------------------|---------------------------|---------------------------|---------------------------|
| STKP 1-A | NO | pH 7.6 | NO |
| Blank | NO | pH 7.0 | NO |
| Method of Analysis | Title 22, CCR 66261.23 | Title 22, CCR 66261.22 | Title 22, CCR 66261.21 |


David Duong
Laboratory Director

PRIORITY ENVIRONMENTAL LABS

SAMPLE ID: STKP-1A
 CLIENT PROJ. ID: -
 DATE SAMPLED: 06/26/92
 DATE RECEIVED: 06/29/92
 REPORT DATE: 07/09/92

QUANTEQ LAB NO: 9206294-01A
 QUANTEQ JOB NO: 9206294
 DATE EXTRACTED: 07/07/92
 DATE ANALYZED: 07/07-08/92
 INSTRUMENT: 11

EPA METHOD 8270 (SOIL MATRIX)
 GC/MS SEMI-VOLATILE ORGANIC COMPOUNDS
 BASE/NEUTRAL EXTRACTABLES

| COMPOUND | CAS # | CONCENTRATION (ug/kg) | DETECTION LIMIT (ug/kg) |
|---------------------------------|-----------|--------------------------|-------------------------------|
| Acenaphthene | 83-32-9 | ND | 330 |
| Acenaphthylene | 208-96-8 | ND | 330 |
| Anthracene | 120-12-7 | ND | 330 |
| Benzidine | 92-87-5 | ND | 1600 |
| Benzoic Acid | 65-85-0 | ND | 1600 |
| Benzo(a)anthracene | 56-55-3 | ND | 330 |
| Benzo(b)fluoranthene | 205-99-2 | ND | 330 |
| Benzo(k)fluoranthene | 207-08-9 | ND | 330 |
| Benzo(g,h,i)perylene | 191-24-2 | ND | 330 |
| Benzo(a)pyrene | 50-32-8 | ND | 330 |
| Benzyl Alcohol | 100-51-6 | ND | 660 |
| Bis(2-chloroethoxy) methane | 111-91-1 | ND | 330 |
| Bis(2-chloroethyl)ether | 111-44-4 | ND | 330 |
| Bis(2-chloroisopropyl) ether | 108-60-1 | ND | 330 |
| Bis(2-ethylhexyl) phthalate | 117-81-7 | ND | 330 |
| 4-Bromophenyl phenyl ether | 101-55-3 | ND | 330 |
| Butylbenzyl phthalate | 85-68-7 | ND | 330 |
| 4-Chloroaniline | 106-47-8 | ND | 660 |
| 2-Chloronaphthalene | 91-58-7 | ND | 330 |
| 4-Chlorophenyl phenyl ether | 7005-72-3 | ND | 330 |
| Chrysene | 218-01-9 | ND | 330 |
| Dibenzo(a,h)anthracene | 53-70-3 | ND | 330 |
| Dibenzofuran | 132-64-9 | ND | 330 |
| Di-n-butylphthalate | 84-74-2 | ND | 330 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | 330 |

ND = Not Detected

PRIORITY ENVIRONMENTAL LABS

SAMPLE ID: STKP-1A
 CLIENT PROJ. ID: -
 DATE SAMPLED: 06/26/92
 DATE RECEIVED: 06/29/92
 REPORT DATE: 07/09/92

QUANTEQ LAB NO: 9206294-01A
 QUANTEQ JOB NO: 9206294
 DATE EXTRACTED: 07/07/92
 DATE ANALYZED: 07/07-08/92
 INSTRUMENT: 11

EPA METHOD 8270
 BASE/NEUTRAL EXTRACTABLES (cont.)

| COMPOUND | CAS # | CONCENTRATION (ug/kg) | DETECTION LIMIT (ug/kg) |
|----------------------------|----------|--------------------------|-------------------------------|
| 1,3-Dichlorobenzene | 541-73-1 | ND | 330 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | 330 |
| 3,3'-Dichlorobenzidine | 91-94-1 | ND | 660 |
| Diethylphthalate | 84-66-2 | ND | 330 |
| Dimethylphthalate | 131-11-3 | ND | 330 |
| 2,4-Dinitrotoluene | 121-14-2 | ND | 330 |
| 2,6-Dinitrotoluene | 606-20-2 | ND | 330 |
| Di-n-octylphthalate | 117-84-0 | ND | 330 |
| 1,2-Diphenylhydrazine | 122-66-7 | ND | 330 |
| Fluoranthene | 206-44-0 | ND | 330 |
| Fluorene | 86-73-7 | ND | 330 |
| Hexachlorobenzene | 118-74-1 | ND | 330 |
| Hexachlorobutadiene | 87-68-3 | ND | 330 |
| Hexachlorocyclopentadiene | 77-47-4 | ND | 330 |
| Hexachloroethane | 67-72-1 | ND | 330 |
| Indeno(1,2,3-cd)pyrene | 193-39-5 | ND | 330 |
| Isophorone | 78-59-1 | ND | 330 |
| 2-Methylnaphthalene | 91-57-6 | 380 | 330 |
| Naphthalene | 91-20-3 | ND | 330 |
| 2-Nitroaniline | 88-74-4 | ND | 1600 |
| 3-Nitroaniline | 99-09-2 | ND | 1600 |
| 4-Nitroaniline | 100-01-6 | ND | 1600 |
| Nitrobenzene | 98-95-3 | ND | 330 |
| N-Nitrosodimethylamine | 62-75-9 | ND | 330 |
| N-Nitrosodiphenylamine | 86-30-6 | ND | 330 |
| N-Nitroso-di-n-propylamine | 621-64-7 | ND | 330 |
| Phenanthrene | 85-01-8 | ND | 330 |
| Pyrene | 129-00-0 | ND | 330 |
| 1,2,4-Trichlorobenzene | 120-82-1 | ND | 330 |

ND = Not Detected

PRIORITY ENVIRONMENTAL LABS

SAMPLE ID: STKP-1A
 CLIENT PROJ. ID: -
 DATE SAMPLED: 06/26/92
 DATE RECEIVED: 06/29/92
 REPORT DATE: 07/09/92

QUANTEQ LAB NO: 9206294-01A
 QUANTEQ JOB NO: 9206294
 DATE EXTRACTED: 07/07/92
 DATE ANALYZED: 07/07-08/92
 INSTRUMENT: 11

EPA METHOD 8270
 ACID EXTRACTABLES

| COMPOUND | CAS # | CONCENTRATION (ug/kg) | DETECTION LIMIT (ug/kg) |
|----------------------------|----------|--------------------------|-------------------------------|
| 4-Chloro-3-methylphenol | 59-50-7 | ND | 330 |
| 2-Chlorophenol | 95-57-8 | ND | 330 |
| 2,4-Dichlorophenol | 120-83-2 | ND | 330 |
| 2,4-Dimethylphenol | 105-67-9 | ND | 330 |
| 4,6-Dinitro-2-methylphenol | 534-52-1 | ND | 1600 |
| 2,4-Dinitrophenol | 51-28-5 | ND | 1600 |
| 2-Methylphenol | 95-48-7 | ND | 330 |
| 4-Methylphenol | 106-44-5 | ND | 330 |
| 2-Nitrophenol | 88-75-5 | ND | 330 |
| 4-Nitrophenol | 100-02-7 | ND | 1600 |
| Pentachlorophenol | 87-86-5 | ND | 1600 |
| Phenol | 108-95-2 | ND | 330 |
| 2,4,5-Trichlorophenol | 95-95-4 | ND | 330 |
| 2,4,6-Trichlorophenol | 88-06-2 | ND | 330 |

ND = Not Detected



aqua science
engineers inc.

Aqua Sci
PO Box 53
(415) 820-9391

PEL # 920651

INV # 22893

Chain of Custody

DATE 6-26-92 PAGE 1 OF 1

SAMPLERS (SIGNATURE) (PHONE NO.)

PROJECT NAME Oliver Rubber Company NO. 2516

ADDRESS 1200 65th Ave

ANALYSIS REQUEST

| SAMPLE ID. | DATE | TIME | MATRIX | NO. OF SAMPLES | TPH- GASOLINE (EPA 5030/8015) | TPH- DIESEL (EPA 3510/8015) | PURGABLE AROMATICS (EPA 602/8020) | PURGABLE HALOCARBONS (EPA 601/8010) | VOLATILE ORGANICS (EPA 624/8240) | BASE/NEUTRALS, ACIDS (EPA 625/8270) | OIL & GREASE (EPA 5520 B&F or B&F) | PCB (EPA 608/8080) | PHENOLS (EPA 604/8040) | LUFT METALS (5) (EPA 6010+7000) | PRIORITY POLLUT. (13) (EPA 6010 ICP + 7000) | TITLE 22 (CAM 17) (EPA 6010+7000) | TCLP AS BTEX (EPA 1311/1310) | STLC- CAM MET (EPA 1311/1310) | REACTIVITY CORROSIVITY IGNITABILITY | TRAH-418.1 | |
|------------|------|------|--------|----------------|----------------------------------|--------------------------------|--------------------------------------|--|-------------------------------------|--|---------------------------------------|-----------------------|---------------------------|------------------------------------|--|--------------------------------------|---------------------------------|----------------------------------|---|------------|---|
| | | | | | TPH- GASOLINE (EPA 5030/8015) | TPH- DIESEL (EPA 3510/8015) | PURGABLE AROMATICS (EPA 602/8020) | PURGABLE HALOCARBONS (EPA 601/8010) | VOLATILE ORGANICS (EPA 624/8240) | BASE/NEUTRALS, ACIDS (EPA 625/8270) | OIL & GREASE (EPA 5520 B&F or B&F) | PCB (EPA 608/8080) | PHENOLS (EPA 604/8040) | LUFT METALS (5) (EPA 6010+7000) | PRIORITY POLLUT. (13) (EPA 6010 ICP + 7000) | TITLE 22 (CAM 17) (EPA 6010+7000) | TCLP AS BTEX (EPA 1311/1310) | STLC- CAM MET (EPA 1311/1310) | REACTIVITY CORROSIVITY IGNITABILITY | | |
| STRP1-A | 6-26 | | S | 5 | | | | | | | | | | | | | | | | | |
| BW | 6-24 | | S | 1 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| BE | 6-24 | | S | 1 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| SW-W | 6-25 | | S | 1 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| SW-E | 6-25 | | S | 1 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| SW-N | 6-25 | | S | 1 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| SW-S | 6-25 | | S | 1 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |

1. RELINQUISHED BY:
[Signature]
(signature) (time)
Steve Diller 6-26-92
(printed name) (date)
Company- A.S.E.

1. RECEIVED BY:
(signature) (time)
(signature) (time)
(printed name) (date)
Company-

2. RELINQUISHED BY:
(signature) (time)
(signature) (time)
(printed name) (date)
Company-

2. RECEIVED BY LABORATORY:
[Signature]
(signature) (time)
VICTOR DUONG 12:30
(printed name) (date)
PRIORITY LABS 6/26/92
Company-

APPENDIX D

UNDERGROUND STORAGE TANK
UNAUTHORIZED RELEASE FORM

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

| | | | | | |
|---|--|---|--|---|--------------------------------|
| EMERGENCY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM. | |
| REPORT DATE 07/01/92 | | CASE # _____ | | SIGNED _____ DATE _____ | |
| REPORTED BY | NAME OF INDIVIDUAL FILING REPORT Craig Hertz | | PHONE (510) 685-6700 | | SIGNATURE _____ |
| | REPRESENTING <input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD <input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> OTHER _____ | | COMPANY OR AGENCY NAME Aqua Science Engineers, Inc. | | |
| | ADDRESS 1041 Shary Circle STREET Concord CITY CA STATE 94518 ZIP | | | | |
| RESPONSIBLE PARTY | NAME Oliver Rubber Co. <input type="checkbox"/> UNKNOWN | | CONTACT PERSON Ron Kessler | | PHONE (510) 654-7711 |
| | ADDRESS 1200 STREET 65 Street CITY Emeryville STATE CA ZIP | | | | |
| SITE LOCATION | FACILITY NAME (IF APPLICABLE) Oliver Rubber Co. | | OPERATOR Ron Kessler | | PHONE (510) 654-7711 |
| | ADDRESS 1200 STREET 65th Street CITY Emeryville COUNTY Alameda ZIP | | | | |
| | CROSS STREET San Pablo | | | | |
| IMPLEMENTING AGENCIES | LOCAL AGENCY Alameda County Health Care Services | | CONTACT PERSON Susan Hugo | | PHONE (510) 2714320 |
| | REGIONAL BOARD RWQCB San Francisco Bay Region | | CONTACT PERSON Eddy So | | PHONE (510) 6580588 |
| SUBSTANCES INVOLVED | (1) NAME Diesel Oil | | QUANTITY LOST (GALLONS) <input checked="" type="checkbox"/> UNKNOWN | | |
| | (2) _____ | | <input type="checkbox"/> UNKNOWN | | |
| DISCOVERY/ABATEMENT | DATE DISCOVERED 06/24/92 | | HOW DISCOVERED <input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS <input type="checkbox"/> TANK TEST <input checked="" type="checkbox"/> TANK REMOVAL <input type="checkbox"/> OTHER _____ | | |
| | DATE DISCHARGE BEGAN <input checked="" type="checkbox"/> UNKNOWN | | METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input type="checkbox"/> REMOVE CONTENTS <input checked="" type="checkbox"/> CLOSE TANK & REMOVE <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> CLOSE TANK & FILL IN PLACE <input type="checkbox"/> CHANGE PROCEDURE <input type="checkbox"/> REPLACE TANK <input type="checkbox"/> OTHER _____ | | |
| | HAS DISCHARGE BEEN STOPPED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE 06/24/92 | | | | |
| SOURCE/ CAUSE | SOURCE OF DISCHARGE <input type="checkbox"/> TANK LEAK <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER _____ | | CAUSE(S) <input type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> SPILL <input type="checkbox"/> CORROSION <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> OTHER _____ | | |
| | CASE TYPE <input checked="" type="checkbox"/> UNDETERMINED <input type="checkbox"/> SOIL ONLY <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED) | | | | |
| CURRENT STATUS | CHECK ONE ONLY <input type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED <input type="checkbox"/> POLLUTION CHARACTERIZATION <input checked="" type="checkbox"/> LEAK BEING CONFIRMED <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT UNDERWAY <input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS <input type="checkbox"/> REMEDIATION PLAN <input type="checkbox"/> CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) <input type="checkbox"/> CLEANUP UNDERWAY | | | | |
| | REMEDIAL ACTION CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS) <input checked="" type="checkbox"/> EXCAVATE & DISPOSE (ED) <input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> ENHANCED BIO DEGRADATION (BT) <input type="checkbox"/> CAP SITE (CD) <input type="checkbox"/> EXCAVATE & TREAT (ET) <input type="checkbox"/> PUMP & TREAT GROUNDWATER (GT) <input type="checkbox"/> REPLACE SUPPLY (RS) <input type="checkbox"/> CONTAINMENT BARRIER (CB) <input type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> TREATMENT AT HOOKUP (HU) <input type="checkbox"/> VENT SOIL (VS) <input type="checkbox"/> VACUUM EXTRACT (VE) <input type="checkbox"/> OTHER (OT) _____ | | | | |
| COMMENTS | _____ | | | | |