W.E. Lyons
Construction Co.
50 Hegenberger Loop
Oakland, California

APN 044-5077-003-03

UNDERGROUND TANK REMOVAL REPORT

Prepared for:
W.E. Lyons
Construction Co.
50 Hegenberger Loop
Oakalnd, CA 94621

Prepared by:
Cottle Engineering
P.O. Box 163
Antioch, CA 94509

510-
778-4882

November, 1995

On, or about, October 15, 1995 Cottle Engineering was hired to perform the removal of two 2,000 gallon single walled steel underground gasoline storage tanks at W.E. Lyons Construction Co., 50 Hegenberger Loop, Oakland, California, 94621.

On, or about, October 18, 1995, Cottle Engineering applied for an underground tank removal permit from the Alameda County Health Department, Hazardous Materials Division. And after receiving the County permit, applied to the City of Oakland Fire Department for a tank removal permit on November 2, 1995. After issuance of the tank removal permits, we scheduled the tank removal with the inspectors for November 14, 1995 and began removal of the concrete over the tanks on the morning of November 13, 1995.

The excavation was barricaded to prevent entry by unauthorized personnel during the performance of the work. During excavation of the tanks, the excavated soil appeared to be clean and free from petroleum contamination, and was stockpiled on site for future use as backfill for the tank pit. With the exception of a small amount of soil which displayed an odor of gasoline and was segregated from the other, clean spoil.

At approximately 11:15 a.m., November 14, 1995 the tanks were prepared for removal by the introduction of dry ice at a ratio of 2.5 pounds per 100 gallons of tank volume. Approximately two hours after the introduction of dry ice, the tank's atmospheres were tested for %LEL and %Oxygen, in the presence of the inspectors .

At approximately 1:15 p.m. these readings had reached levels that were unacceptable to the inspectors, and additional dry ice was added to each tank. After the tanks reached acceptable readings of %LEL and %Oxygen the tanks were removed from their excavations and the outer walls inspected for signs of corrosion and/or leakage. Upon visual inspection, the tanks appeared to be in good condition with no visible signs of corrosion or perforations of the tank walls. However, tank no. 2 displayed signs of overfilling indicated by gasoline on the outer tank wall which caused the tar wrap to disentegrate.

Immediately following visual inspection of the tanks, they were loaded on a truck operated by H & H Environmental Services and transported to their licensed disposal facility in San Francisco, California for further processing and destruction.

Immediately following the removal of the tank from the excavation, one soil sample was taken from each end of the tank excavations in an area just below the end of each tank at a depth of approximately 9-10 feet below ground surface. A four point composite sample was also taken from the spoil pile generated during excavation of the tank. The samples were properly collected, packaged, and transported to McCampbell Analytical in Pacheco, California for analyses. The samples were analyzed for Total Petroleum Hydrocarbons as Gasoline (TPHg); and Benzene,

Toluene, Xylenes, and Ethylbenzene (BTXE). The analytical reports indicated that in the two samples taken from the tank excavation no. 1 and from the spoil pile, the above named constituents were not detected. The sample Wl-1 from the small contaminated spoil pile indicated gasoline at 2,800 parts per million (ppm); sample WL-5 indicated 7.1ppm of gasoline; and sample WL-4 indiscated 2,000ppm of gasoline.

Based upon the findings of the analytical testing, we recommend aeration of the small contaminated spoil pile and excavation of additional soil from the no. 2 tank pit in the area where sample no. WL-4 was taken and aeration of that spoil as well. Confirmatory sampling from the bottom of the tank pit as well as from the aerated soil will be necessary to determine the effectiveness of the additional excavation and the aeration process.

Once it is confirmed that all contaminated materials have been aerated from the soil to levels of 10ppm or below, the aearated soil can be used for backfill material at the site and a site closure can be requested from the local oversite agency.

This report, and copies, have been furnished to the Owner, and the Alameda County Environmental Health Department for their use, as requested.

Should any concerned party have questions regarding the information contained in this report, please contact our office at your convenience at 510-754-9935.

Sincerely,

David E. Cottle, Sr.
Cottle Engineering

PERMIT FORMS

W.E. Lyons
Construction Co.
50 Hegenberger Loop
Oakland, California

Barney Chan

Note address in RED
Contact me at least 72
working hours prior to
tank pull.
OK, 10/31/95
B Chan

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
80 SWAN WAY, ROOM 200
OAKLAND, CA 94621
PHONE NO. 510/~~271-4320~~ 567-6700

BARNEY CHAN 567-6765

ACCEPTED

Underground Storage Tank Closure Permit Application
Alameda County Division of Hazardous Materials
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

These closure/removal plans have been received and found to be acceptable and essentially meet the requirements of State and Local Health Laws. Changes to your closure plans indicated by this Department are to assure compliance with State and local laws. The project proposed herein is now released for issuance of any required building permits for construction/destruction.

One copy of the accepted plans must be on the job and available to all contractors and craftsmen involved with the removal.

Any changes or alterations of these plans and specifications must be submitted to this Department and to the Fire and Building Inspections Department to determine if such changes meet the requirements of State and local laws.

Notify this Department at least 72 hours prior to the following required inspections:

___ Removal of Tank(s) and Piping
___ Sampling
___ Final Inspection

Issuance of a) permit to operate, b) permanent site closure, is dependent on compliance with accepted plans and all applicable laws and regulations.

THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS.

Contact Specialist:

UNDERGROUND TANK CLOSURE PLAN

* * * Complete according to attached instructions * * *

1. Business Name W. E. Lyons Construction Co.
   Business Owner Gary W. Lyons
2. Site Address 50 Hegenberger Loop
   City Oakland Zip 94621 Phone 568-4829
3. Mailing Address 50 Hegenberger Loop
   City Oakland Zip 94621 Phone 568-4829
4. Land Owner Gary W. Lyons
   Address 50 Hegenberger Loop City, State Oakland, CA Zip 94621
5. Generator name under which tank will be manifested
   W. E. Lyons Construction Co.

   EPA I.D. No. under which tank will be manifested CAC000935624

6. Contractor Coffe Engineering

Address P.O. Box 163

City Antioch CA 94509 Phone 778-4882

License Type* A ID# 451444

*Effective January 1, 1992, Business and Professional Code Section 7058.7 requires prime contractors to also hold Hazardous Waste Certification issued by the State Contractors License Board. Indicate that the certificate has been received, in addition, to holding the appropriate contractors license type.

7. Consultant N/A

Address _____

City _____ Phone _____

8. Contact Person for Investigation

Name Roy Pentle Title Operations

Phone 778-4882

9. Number of tanks being closed under this plan Two

Length of piping being removed under this plan less than 10 feet

Total number of tanks at facility Two

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 H & H Ship Service Co. EPA I.D. No. CAD004771168

Hauler License No. 0334 License Exp. Date 1/96

Address 220 Terry Francois

City San Francisco State CA Zip 94107

b) Product/Residual Sludge/Rinsate Disposal Site

Name H & H Ship Service Co. EPA I.D. No. CAD004771168

Address 220 Terry Francois

City San Francisco State CA Zip 94107

c) Tank and Piping Transporter

Name H&H Ship Service Co. EPA I.D. No. CAD004771168

Hauler License No. 0334 License Exp. Date 1/96

Address 220 Terry Francois

City San Francisco State CA Zip 94107

d) Tank and Piping Disposal Site

Name H&H Ship Service Co. EPA I.D. No. CAD004771168

Address 220 Terry Francois

City San Francisco State CA Zip 94107

11. Experienced Sample Collector

Name Roy PANTE

Company Cotte Engineering

Address P.O. Box 163

City Antioch State CA Zip 94509 Phone 778-4882

12. Laboratory

Name McCampbell Analytical

Address 110 Second Avenue South

City Pacheco State CA Zip 94553

State Certification No. 1644

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

Introduction of dry ice at a ratio of 2.5 lbs. per each 100 gallons of tank volume.

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, groundwater, etc.)	Location and Depth of Samples
Capacity	Use History (see instructions)		
2,000 gal.	Gasoline	Soil	12' BGS.
2,000 gal.	Gasoline	Soil	12' BGS. 1-2' beneath tank each end
		Groundwater if 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) 30 cubic yards	Sampling Plan 4 point composite from excavated spoil pile.

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
Gasoline B,T,E,X		5030, Modified 8015 8020	Gasoline 1 mg./kg. BTEX .005 mg/kg.

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

18. Submit Worker's Compensation Certificate copy

Name of Insurer Marsh & McLennan

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 Cottle, Sr.

Signature David E. Cottle, Sr.

Date 10-18-95

Signature of Site Owner or Operator

Name (please type) Barry W. Lyons

Signature

Date 10-19-95

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM: ☐ 1 NEW PERMIT ☐ 2 INTERIM PERMIT ☐ 3 RENEWAL PERMIT ☐ 4 AMENDED PERMIT ☐ 5 CHANGE OF INFORMATION ☐ 6 TEMPORARY TANK CLOSURE ☐ 7 PERMANENTLY CLOSED ON SITE ☒ 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: W.E. LYONS CONSTRUCTION CO.

I. TANK DESCRIPTION

COMPLETE ALL ITEMS -- SPECIFY IF UNKNOWN

A. OWNER'S TANK I. D. # #2
B. MANUFACTURED BY: UNKNOWN
C. DATE INSTALLED (MO/DAY/YEAR) UNKNOWN
D. TANK CAPACITY IN GALLONS: 2,000

II. TANK CONTENTS

IF A-1 IS MARKED, COMPLETE ITEM C.

A. ☒ 1 MOTOR VEHICLE FUEL ☐ 2 PETROLEUM ☐ 3 CHEMICAL PRODUCT ☐ 4 OIL ☐ 80 EMPTY ☐ 95 UNKNOWN

B. ☒ 1 PRODUCT ☐ 2 WASTE

C. ☒ 1a REGULAR UNLEADED ☐ 1b PREMIUM UNLEADED ☐ 2 LEADED ☐ 3 DIESEL ☐ 4 GASAHOL ☐ 5 JET FUEL ☐ 6 AVIATION GAS ☐ 7 METHANOL ☐ 99 OTHER (DESCRIBE IN ITEM D. BELOW)

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED — C. A. S. # :

III. TANK CONSTRUCTION

MARK ONE ITEM ONLY IN BOXES A, B, AND C. AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM: ☐ 1 DOUBLE WALL ☒ 2 SINGLE WALL ☐ 3 SINGLE WALL WITH EXTERIOR LINER ☐ 4 SECONDARY CONTAINMENT (VAULTED TANK) ☐ 95 UNKNOWN ☐ 99 OTHER

B. TANK MATERIAL (Primary Tank): ☒ 1 BARE STEEL ☐ 2 STAINLESS STEEL ☐ 3 FIBERGLASS ☐ 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC ☐ 5 CONCRETE ☐ 6 POLYVINYL CHLORIDE ☐ 7 ALUMINUM ☐ 8 100% METHANOL COMPATIBLE W/FRP ☐ 9 BRONZE ☐ 10 GALVANIZED STEEL ☐ 95 UNKNOWN ☐ 99 OTHER

C. INTERIOR LINING: ☐ 1 RUBBER LINED ☐ 2 ALKYD LINING ☐ 3 EPOXY LINING ☐ 4 PHENOLIC LINING ☐ 5 GLASS LINING ☒ 6 UNLINED ☐ 95 UNKNOWN ☐ 99 OTHER
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL ? YES ___ NO ___

D. CORROSION PROTECTION: ☐ 1 POLYETHYLENE WRAP ☒ 2 COATING ☐ 3 VINYL WRAP ☐ 4 FIBERGLASS REINFORCED PLASTIC ☐ 5 CATHODIC PROTECTION ☐ 91 NONE ☐ 95 UNKNOWN ☐ 99 OTHER

E. SPILL AND OVERFILL — SPILL CONTAINMENT INSTALLED (YEAR) NONE — OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) NONE

IV. PIPING INFORMATION

CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE: (A) (U) 1 SUCTION — A U 2 PRESSURE — A U 3 GRAVITY — A U 99 OTHER

B. CONSTRUCTION: A (U) 1 SINGLE WALL — A U 2 DOUBLE WALL — A U 3 LINED TRENCH — A U 95 UNKNOWN — A U 99 OTHER

C. MATERIAL AND CORROSION PROTECTION: A (U) 1 BARE STEEL — A U 2 STAINLESS STEEL — A U 3 POLYVINYL CHLORIDE (PVC) — A U 4 FIBERGLASS PIPE — A U 5 ALUMINUM — A U 6 CONCRETE — A U 7 STEEL W/ COATING — A U 8 100% METHANOL COMPATIBLE W/FRP — A U 9 GALVANIZED STEEL — A U 10 CATHODIC PROTECTION — A U 95 UNKNOWN — A U 99 OTHER ___

D. LEAK DETECTION: ☐ 1 AUTOMATIC LINE LEAK DETECTOR ☐ 2 LINE TIGHTNESS TESTING ☐ 3 INTERSTITIAL MONITORING ☒ 99 OTHER NONE

V. TANK LEAK DETECTION

☐ 1 VISUAL CHECK ☒ 2 INVENTORY RECONCILIATION ☐ 3 VADOZE MONITORING ☐ 4 AUTOMATIC TANK GAUGING ☐ 5 GROUND WATER MONITORING ☒ 6 TANK TESTING ☐ 7 INTERSTITIAL MONITORING ☐ 91 NONE ☐ 95 UNKNOWN ☐ 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR) 7-30-95
2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING 5 GALLONS
3. WAS TANK FILLED WITH INERT MATERIAL ? YES ☐ NO ☒

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE) GARY W LYONS — DATE 11-18-95

LOCAL AGENCY USE ONLY

THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.# — COUNTY # | JURISDICTION # | FACILITY # | TANK #

PERMIT NUMBER | PERMIT APPROVED BY/DATE | PERMIT EXPIRATION DATE

FORM B (7-91) THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.

FOR0034B-RS

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM: ☐ 1 NEW PERMIT ☐ 2 INTERIM PERMIT ☐ 3 RENEWAL PERMIT ☐ 4 AMENDED PERMIT ☐ 5 CHANGE OF INFORMATION ☐ 6 TEMPORARY TANK CLOSURE ☐ 7 PERMANENTLY CLOSED ON SITE ☒ 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: W. E. LYONS CONSTRUCTION CO.

I. TANK DESCRIPTION

COMPLETE ALL ITEMS – SPECIFY IF UNKNOWN

A. OWNER'S TANK I. D. # #1
B. MANUFACTURED BY: UNKNOWN
C. DATE INSTALLED (MO/DAY/YEAR) UNKNOWN
D. TANK CAPACITY IN GALLONS: 2,000

II. TANK CONTENTS

IF A-1 IS MARKED, COMPLETE ITEM C.

A. ☒ 1 MOTOR VEHICLE FUEL ☐ 2 PETROLEUM ☐ 3 CHEMICAL PRODUCT ☐ 4 OIL ☐ 80 EMPTY ☐ 95 UNKNOWN

B. ☒ 1 PRODUCT ☐ 2 WASTE

C. ☒ 1a REGULAR UNLEADED ☐ 1b PREMIUM UNLEADED ☐ 2 LEADED ☐ 3 DIESEL ☐ 4 GASAHOL ☐ 5 JET FUEL ☐ 6 AVIATION GAS ☐ 7 METHANOL ☐ 99 OTHER (DESCRIBE IN ITEM D. BELOW)

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED — C. A. S. # :

III. TANK CONSTRUCTION

MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM: ☐ 1 DOUBLE WALL ☒ 2 SINGLE WALL ☐ 3 SINGLE WALL WITH EXTERIOR LINER ☐ 4 SECONDARY CONTAINMENT (VAULTED TANK) ☐ 95 UNKNOWN ☐ 99 OTHER

B. TANK MATERIAL (Primary Tank): ☒ 1 BARE STEEL ☐ 2 STAINLESS STEEL ☐ 3 FIBERGLASS ☐ 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLAST.C ☐ 5 CONCRETE ☐ 6 POLYVINYL CHLORIDE ☐ 7 ALUMINUM ☐ 8 100% METHANOL COMPATIBLE W/FRP ☐ 9 BRONZE ☐ 10 GALVANIZED STEEL ☐ 95 UNKNOWN ☐ 99 OTHER

C. INTERIOR LINING: ☐ 1 RUBBER LINED ☐ 2 ALKYD LINING ☐ 3 EPOXY LINING ☐ 4 PHENOLIC LINING ☐ 5 GLASS LINING ☒ 6 UNLINED ☐ 95 UNKNOWN ☐ 99 OTHER
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ___ NO ___

D. CORROSION PROTECTION: ☐ 1 POLYETHYLENE WRAP ☒ 2 COATING ☐ 3 VINYL WRAP ☐ 4 FIBERGLASS REINFORCED PLASTIC ☐ 5 CATHODIC PROTECTION ☐ 91 NONE ☐ 95 UNKNOWN ☐ 99 OTHER

E. SPILL AND OVERFILL — SPILL CONTAINMENT INSTALLED (YEAR) NONE — OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) NONE

IV. PIPING INFORMATION

CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE: A (U) 1 SUCTION; A U 2 PRESSURE; A U 3 GRAVITY; A U 99 OTHER

B. CONSTRUCTION: A (U) 1 SINGLE WALL; A U 2 DOUBLE WALL; A U 3 LINED TRENCH; A U 95 UNKNOWN; A U 99 OTHER

C. MATERIAL AND CORROSION PROTECTION: A (U) 1 BARE STEEL; A U 2 STAINLESS STEEL; A U 3 POLYVINYL CHLORIDE (PVC); A U 4 FIBERGLASS PIPE; A U 5 ALUMINUM; A U 6 CONCRETE; A U 7 STEEL W/ COATING; A U 8 100% METHANOL COMPATIBLE W/FRP; A U 9 GALVANIZED STEEL; A U 10 CATHODIC PROTECTION; A U 95 UNKNOWN; A U 99 OTHER

D. LEAK DETECTION: ☐ 1 AUTOMATIC LINE LEAK DETECTOR ☐ 2 LINE TIGHTNESS TESTING ☐ 3 INTERSTITIAL MONITORING ☒ 99 OTHER NONE

V. TANK LEAK DETECTION

☐ 1 VISUAL CHECK ☒ 2 INVENTORY RECONCILIATION ☐ 3 VADOZE MONITORING ☐ 4 AUTOMATIC TANK GAUGING ☐ 5 GROUND WATER MONITORING ☒ 6 TANK TESTING ☐ 7 INTERSTITIAL MONITORING ☐ 91 NONE ☐ 95 UNKNOWN ☐ 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR) 7-30-95
2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING 6 GALLONS
3. WAS TANK FILLED WITH INERT MATERIAL? YES ☐ NO ☒

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE) GARY W. LYONS — DATE 12-18-95

LOCAL AGENCY USE ONLY

THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.# — COUNTY # ☐☐ JURISDICTION # ☐☐☐ FACILITY # ☐☐☐☐☐☐ TANK # ☐☐☐☐☐☐

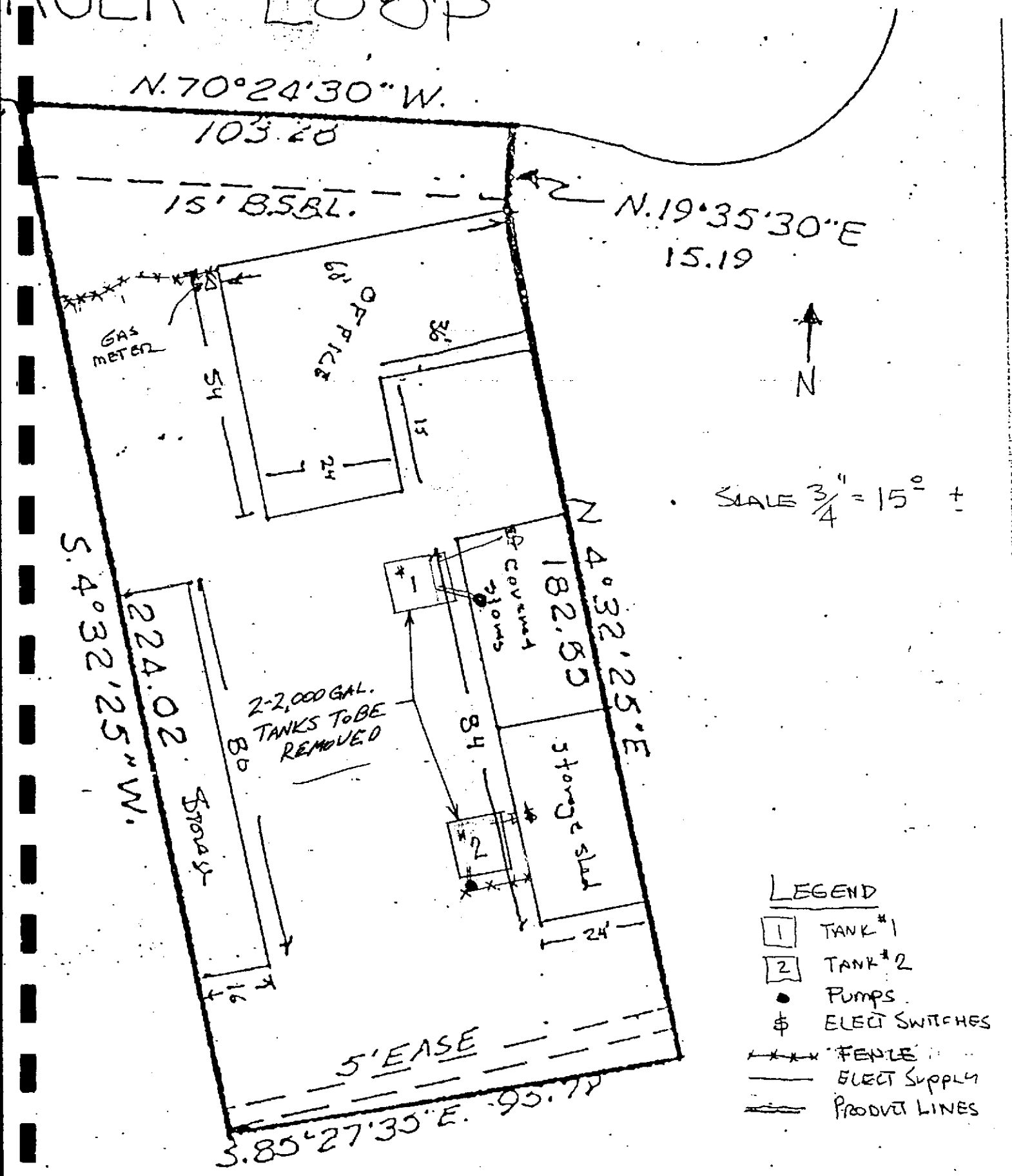
PERMIT NUMBER | PERMIT APPROVED BY/DATE | PERMIT EXPIRATION DATE

FORM B (7-91) THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.

FOR0034B-R5

PLOT PLAN: W.E. HONS CONSTRUCTION
50 HEGENBERGER LOOP
OAKLAND, CA 94621

RGER LOOP



LEGEND

- [1] TANK *1
- [2] TANK *2
- ● PUMPS
- $ ELECT SWITCHES
- FENCE
- ELECT SUPPLY
- PRODUCT LINES

HEALTH & SAFETY PLAN

for

W.E. LYONS CONSTRUCTION
50 HEGENBERGER LOOP
OAKLAND, CALIFORNIA

OCTOBER, 1995

prepared by:

COTTLE ENGINEERING
P.O. BOX 163
ANTIOCH, CA 94509
510-754-9935

HEALTH AND SAFETY PLAN

INTRODUCTION:

Cottle Engineering (Cottle) Health and Safety Program is designed to meet the requirements of 29 CFR 1910.120.

The objective of this Health and Safety Plan is to establish health and safety guidelines for the removal two underground gasoline storage tanks located at 50 Hegenberger Loop, Oakland, California. The project will consist of the excavation, removal, and disposal of two 2,000 gallon underground gasoline storage tanks, collection of soil samples for laboratory analyses, analytical reporting, backfilling, resurfacing, and general site cleanup will be performed by the owner.

General information pertaining to the site is provided in Table 1.

TABLE 1

GENERAL INFORMATION
HEALTH AND SAFETY PLAN

W.E. Lyons Construction
50 Hegenberger Loop
Oakland, California

Site: W.E. Lyons Construction - Equipment Storage Facility
Location: 50 Hegenberger Loop, Oakland, California
Background Review: Preliminary

Site/Hazard Overview

Apparent Hazard: Low
Type of Facility: Storage
Status of Facility: Active/Fueling System Inactive
Waste Types: Solid
Waste Characteristics: Toxic, Ignitable, Volatile
Hazard Type: Vapors

CHARACTERIZATION OF WASTE PRODUCTS

The chemicals of concern on site are petroleum hydrocarbons. A summary of the health effects is given in Appendix I.

SITE SAFETY WORK PLAN

GENERAL:

Operations that will be conducted on the site include the excavation of two 2,000 gallon underground gasoline storage tanks and the collection of soil samples.

The procedures for collection of soil and groundwater samples are described in Appendix II.

The Site Safety Officer (Table 3), will assess the hazard of inhalation of vapors or particulate matter according to meteorological conditions and the phase of site operations, and will determine when, and in what areas of the site, personnel will be required to wear respirators.

On site personnel are trained to be aware of the potential for temperature stress during site operations. The combination of overexertion, protective clothing, and ambient temperature extremes could cause stress which could lead to dehydration if body liquids and minerals are not replaced. Heat exhaustion in warm climate, and hypothermia in cold climates, etc.. Rest periods and replacement of body fluids by potable drinking water

and electrolyte containing beverages are required to prevent heat stress.

HEALTH AND SAFETY RESPONSIBILITIES FOR KEY PERSONNEL:

The Project Manager and the Site Safety Officer will be responsible for planning and coordinating all on site activities and will ensure that a Tailgate Safety Meeting Form is obtained before work begins. They will also ensure that the Tailgate Safety Meeting Form is signed daily by each employee on site and that the Health and Safety Plan is reviewed by all site operations personnel before work begins.

The Site Safety Officer will be responsible for implementing all facets of the Health and Safety Plan during site operations, including briefing all participants in the Health and Safety Plan requirements, ensuring that all necessary permits are on site, enforcing the use of hearing protection where required, establishing the exclusionary zone or other safe zones as appropriate, and determining actions to be taken in case of an on site emergency. The Site Safety Officer will bring all real or potential health and safety problems to the attention of the Project Manager.

The Project Manager will be responsible for determining all site-specific health and safety decisions and will oversee their implementation.

WORKER TRAINING REQUIREMENTS:

As required by 29 CFR 1910.120, all site operations personnel will have completed at least 40 hours of health and safety training prior to entering the site. Additionally, the Site

Supervisor will have completed an additional 8 hours of specialized instruction. Evidence is generally demonstrated by a Certificate of Training. In addition, no visitors will be allowed inside the exclusionary zone if compliance with the training provisions of 29 CFR 1910.120 cannot be demonstrated.

MEDICAL SURVEILLANCE REQUIREMENTS:

As required by 29 CFR 1910.120, all site operations personnel shall participate in a medical surveillance (Occupational Health) monitoring program (as appropriate for each project). Documentation will be required from all subcontractor site operations personnel to demonstrate this compliance.

DOCUMENTATION:

Compliance with the Health and Safety Plan review requirement will be documented on a sign-off sheet during the safety briefing attendance meetings which will be scheduled at the beginning of field operations and which will be reviewed at the beginning of each day during the conduct of site operations. A sign-off sheet is presented in Appendix III.

This meeting, also known as the Tailgate Safety Meeting, will be conducted by the Site Safety Officer or the Site Operations Supervisor (Table 2). This meeting must be attended by all Cottle employees and other subcontractors working on the project that day. It is strongly recommended that all non-employees at the site also attend.

GENERAL SAFETY REQUIREMENTS:

The following general safety requirements shall be followed by all site operations personnel, or qualified visitors, working and/or entering the site during the conduct of the site operations.

* No site operations personnel or visitors will be allowed on site without the prior knowledge and consent of the Site Safety Officer.

* There will be no activities conducted on site without sufficient backup personnel. At a minimum, two persons must be present on the site during the conduct of the site operations. A trained Cottle supervisor, as required by 29 CFR 1910.120, must be present on site at all times during the conduct of site operations.

* All site operations personnel shall immediately bring to the attention of the Site Safety Officer of Project Manager any unsafe condition or practice associated with the site activities that they are unable to correct themselves.

* There will be no smoking, eating, chewing gum, drinking or tobacco consumption inside the exclusionary zone/controlled area.

* Good housekeeping practices will be used on site at all times.

* Hands shall be thoroughly cleaned prior to smoking, eating or other activities outside the exclusionary zone/controlled area.

* All borings will be monitored to prevent inadvertent contact.

* Site operations personnel must avoid unnecessary contamination, including walking through known or suspected "hot spots" or contaminated puddles, kneeling or sitting on the ground, leaning against potentially contaminated barrels or equipment.

* A fire extinguisher (minimum rating 10:B:C) will be on site at all times.

* Respiratory devices will not be worn with beards, long sideburns, or under any other conditions that prevent a proper seal while the respirator is being worn.

* Contact lenses will not be worn with respirators in use.
* Only designated personnel will be allowed to operate specialized equipment (e.g. drill rig).
* No confined space entry is authorized by this Health and Safety Plan.

EXCLUSIONARY ZONE/CONTROLLED AREA:

An Exclusionary Zone will be established immediately around the excavation area and the soils stockpile, clearly marked (as needed). A map will be posted on site showing these areas. The following activities will be conducted in the Exclusionary Zone:

* Equipment Staging
* Excavation and Stockpiling of The Spoil
* Soil Sampling

PERSONAL PROTECTIVE EQUIPMENT:

The level of protection will be Level D (modified if appropriate) with upgrade to Level C if appropriate. Level D includes the following equipment:

* Hard hat
* Routine work clothes
* Steel-toed safety boots
* Protective eye wear
* Nitrile gloves (when handling soil, during testing, sampling, shovelling, etc.).

Level D includes the following equipment:

* Hard hat
* Nitrile gloves
* Disposable Tyvek coveralls over work clothes
* Disposable PVC booties over steel-toed safety boots
* NIOSH-approved full face (or half-face respirator with goggles) equipped with high-efficiency combination cartridges for toxic particulates and organic vapors (on standby)
* Earplugs or earmuffs (while working on or around operating equipment

The decision to upgrade to Level C protective equipment will be determined by the on site Health & Safety Officer.

DECONTAMINATION:

Decontamination consists of contamination-reduction phases and personal hygiene for site operations. The following decontamination/contamination reduction steps will be used:

* Maximize the use of disposable clothing for personnel protection (latex surgical gloves, Tyvek coveralls, and PVC booties).

* Remove disposable PVC booties, Tyvek coveralls, outer gloves, and dispose of them in clean unused garbage bags.

* Remove respirator, remove cartridges, and discard them. Return respirator to storeroom at the end of the job. All respirators will be properly washed, sanitized, tagged, and stored.

* The garbage bags holding disposable items from the site operations will be placed in securely covered, clearly marked 55-gallon steel drums and placed in an area of the site at the direction of the Site Engineer. Final disposition will be in accordance with the site remedial action.

* Wash hands and face with soap immediately upon exiting the Exclusionary Zone.

* After departing the site, site operations personnel should shower as soon as possible.

* After departing the site, fabric work clothes and undergarments should be washed as soon as possible using routine wash methods.

* (As appropriate) each piece of equipment (tools and all vehicles contacting potentially contaminated materials) must be decontaminated before it leaves the operation site. This must be done in an area designated for equipment decontamination (to be determined). Large items of equipment, such as the drill rig, vehicles and trucks, should be subjected to decontamination by high pressure water washes or steam. A special solution, such as Liqui-Nox, a 1% to 2% TSP solution, or Bola degreaser, may have to be used on sampling equipment or heavily soiled items. All wash and rinse water must be contained (on visqueen for large equipment, in 5 gallon buckets for tools), collected and stored in marked 55 gallon drums on site until final disposition is determined.

PHYSICAL HAZARDS:

The physical hazards associated with operating heavy equipment

are as follows:

* Moving machine parts

* "Struck by" or rollover injuries from the equipment

* Noise levels

* Exposure to contaminated particulates while excavating soil

* Possible contact with gas or power lines during excavation
* Possible contact with underground utilities

All personnel operating the excavating equipment will be experienced with the equipment's operating procedures and safety precautions.

Noise levels for heavy equipment operators may be expected to exceed 85 decibels on the A-weighted scale. Therefore, heavy equipment operators will wear disposable earplugs or earmuffs with a noise reduction rating (NRR) of at least 25 decibels. A hearing conservation program, in conformance with OSHA requirements, will be in effect throughout the duration of the project.

Care will be used when moving excavated spoil to avoid creating dust. An air purifying respirator may be required while performing any operation where sufficient dust may be generated. See Personal Protective Equipment section.

The Project Manager or the Site Safety Officer shall investigate all potential excavation sites for gas and power lines above and below ground before excavating. This includes contacting the Underground Service Alert organization at 800-642-2444 at least 24 hours prior to the job commencement. No excavation will occur in any area where such lines are found.

OCCUPATIONAL EXPOSURE MONITORING:

In order to prevent overexposures to employees of physical and chemical agents, it may be necessary to conduct monitoring evaluations. Environmental agents of concern on this project may include airborne concentrations of petroleum hydrocarbons, noise, or temperature extremes. The Site Safety Officer may use any of the following equipment to assess employee exposure:

* HNu (or similar) Photoionization Detector
* Foxboro Organic Vapor Analyzer/Flame Ionization Detector
* Draeger Colorimetric Indicator Tubes
* Quest Noise Dosimeter
* Gilian Personal Air Sampling Pumps, with appropriate media
* Metrosonics WBGT Heat Stress Monitor
* Combustible gas indicator with ppm scale (Gastech 1314 or equivalent)
* Oxygen detector

EMERGENCY INFORMATION:

A description of local resources available in case of emergency is presented on Table 2.

EMERGENCY PROCEDURES FOR INJURY:

If an injury should occur on the site and involves exposure to gross contamination, the local emergency contacts (Table 2) will be notified of the incident and of the potential contaminants

involved. Before being transported to the medical care facility, the victim will undergo a gross washdown using clear water after removal of all contaminated clothing. This will reduce the chance of spreading contaminants to the emergency vehicle and local hospital.

If an accident should occur on site which results in a minor injury (e.g., cuts or bruises), a first aid kit and portable eye wash unit will be available for treatment.

If an accident should occur on site which results in a major trauma (e.g., fractured bones or severe lacerations), the local emergency telephone number (911) will be used to contact emergency services. The victim will not be transported in any vehicle other than a fully equipped emergency vehicle.

SAFETY EQUIPMENT CHECKLIST:

A safety equipment checklist is presented on Table 3.

TABLE 2

EMERGENCY INFORMATION
LOCAL RESOURCES

HEALTH AND SAFETY PLAN

W.E. LYONS CONSTRUCTION
50 Hegenberger Loop
Oakland, California

Ambulance: 510-655-4000

Hospital Emergency Room: 510-655-4000

Route to the Hospital: Exit the site on Hegenberger Loop, turn on Hegenberger Road, enter the 880 Freeway northbound, exit at Broadway, turn right, turn left on Webster Street follow signs to the Emergency Room.

Local Police: (911)

Local Fire: (911)

Alameda County Health Department: 510-567-6700

Cottle Project Manager: David E. Cottle, Sr.

Cottle Site Safety Officer: Alvin Knackstedt

Cottle Site Operations Supervisor: David E. Cottle, Sr.

TABLE 3

SAFETY EQUIPMENT CHECKLIST

HEALTH AND SAFETY PLAN

W.E. Lyons Construction
Oakland, California

PERSONAL PROTECTION

Full face respirator
Half face respirator
High efficiency combination cartridges for toxic particulates, organic vapors, and acid gasses
safety boots - industrial grade work boots with steel toe
Tyvek coveralls
Safety glasses
Goggles
Hard hat
PVC rain gear
Nitrile Gloves
Latex gloves
PVC Booties

SURVEILLANCE

MISCELLANEOUS:

First aid kit
Drinking water
Eye wash kit
Fire extinguisher
Ear plugs or earmuffs

PERSONAL DECONTAMINATION EQUIPMENT

Clear water
5 gallon plastic buckets
Liqui-Nox
Hand soap
Plastic garbage bags
Paper hand towels

Consumer Affairs

State of California
CONTRACTORS STATE LICENSE BOARD
ACTIVE LICENSE

License Number 481444 Entity INDIV

Business Name COTTLE ENGINEERING

Classification(s) A HAZ

Expiration Date 10/31/95

STATE OF CALIFORNIA
STATE AND CONSUMER SERVICES AGENCY CONTRACTORS STATE LICENSE BOARD

Consumer Affairs

Building Quality

HAZARDOUS SUBSTANCES REMOVAL AND REMEDIAL ACTIONS CERTIFICATION

Pursuant to the provisions of Section 7058.7 of the Business and Professions Code, the Registrar of Contractors does hereby certify that the following qualifying person has successfully completed the hazardous substances removal and remedial actions examination.

DEPARTMENT OF CONSUMER AFFAIRS
REGISTRAR OF CONTRACTORS
STATE OF CALIFORNIA

Qualifier: DAVID EVANS COTTLE

License No.: 481444

Namestyle: COTTLE ENGINEERING

WITNESS my hand and official seal this 24th *day of* DECEMBER 1991

David R Ellis
Registrar of Contractors

13L-36 (2/91)

This certification is the property of the Registrar of Contractors, is not transferable, and shall be returned to the Registrar upon demand when suspended, revoked, or invalidated for any reason.

A 4310

ACORD. CERTIFICATE OF INSURANCE

31813

ISSUE DATE (MM/DD/YY) 12/27/94

PRODUCER

Marsh & McLennan, Incorporated
Three Embarcadero Center
P. O. Box 193880
San Francisco, CA 94119-3880

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

INSURED

Cottle Engineering
P.O. Box 163
Antioch, CA 94509

COMPANIES AFFORDING COVERAGE

COMPANY LETTER A — NATIONAL UNION FIRE INS. CO.

COMPANY LETTER B

COMPANY LETTER C

COMPANY LETTER D

COMPANY LETTER E

COVERAGES

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED, NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
A	GENERAL LIABILITY	RNGL 121-07-12	1/01/95	1/01/96	GENERAL AGGREGATE	$ 5000000
	X COMMERCIAL GENERAL LIABILITY				PRODUCTS-COMP/OP AGG.	$ 3000000
	CLAIMS MADE X OCCUR.				PERSONAL & ADV. INJURY	$ 1000000
	OWNER'S & CONTRACTOR'S PROT.				EACH OCCURRENCE	$ 1000000
					FIRE DAMAGE (Any one fire)	$ 100000
					MED. EXPENSE (Any one person)	$ 10000
A	AUTOMOBILE LIABILITY	RMCA 135-03-11	1/01/95	1/01/96	COMBINED SINGLE LIMIT	$ 1000000
	X ANY AUTO				BODILY INJURY (Per person)	$
	ALL OWNED AUTOS				BODILY INJURY (Per accident)	$
	SCHEDULED AUTOS				PROPERTY DAMAGE	$
	HIRED AUTOS					
	NON-OWNED AUTOS					
	GARAGE LIABILITY					
A	EXCESS LIABILITY	BE 309 1435	1/01/95	1/01/96	EACH OCCURRENCE	$ 5000000
	X UMBRELLA FORM				AGGREGATE	$ 5000000
	OTHER THAN UMBRELLA FORM					
A	WORKER'S COMPENSATION AND EMPLOYERS' LIABILITY	RWC 211-05-97	1/01/95	1/01/96	X STATUTORY LIMITS	
					EACH ACCIDENT	$ 1000000
					DISEASE-POLICY LIMIT	$ 1000000
					DISEASE-EACH EMPLOYEE	$ 1000000
	OTHER					

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/SPECIAL ITEMS

All California Operations. Marelich Mechanical Co., Inc.; Swinerton Walberg & Co.; and Washington Medical Center are hereby named as additional insureds as it applies to the work at Washington West Facilities.

CERTIFICATE HOLDER

City of Burlingame
Building Division
501 Primrose Loop
Burlingame, CA 94010

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

p. 1

1131 Harbor Bay Pkwy
Alameda CA 94502
510/567-6700

Hazardous Materials Inspection Form

II, III

Site ID # _____ Site Name WE Lyons Const Today's Date 11/14/95

Site Address 50 Hegenberger Loop

City Oak Zip 94621 Phone _____

_____ MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:

____ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
____ II. Hazardous Materials Business Plan, Acutely Hazardous Materials
__Y__ III. Underground Storage Tanks Removal

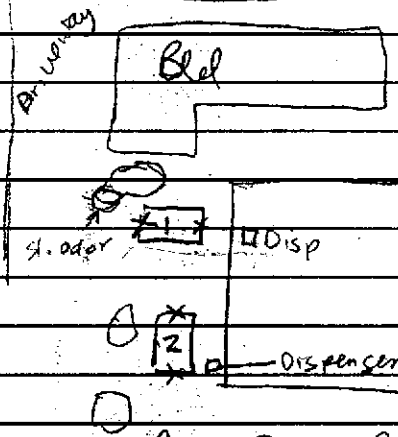
* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

Comments:

N ↑

Hegenberger Loop

Spoils dry-moist sand+gravel
Total spoils ~ 20 Cyds
• Composite 3 sples from the no odor piles
• run the odorous pile separately



← 3% O2, 10% LEL
• Single wall, steel, tar wrapped, no holes
• Pit approx 8 x 10 x 9'
X Soil sple west end Tank 1 - moist blue Clayey sd sl. odor
X " " east " " " - moist blue clay - no odor

Witness the removal of 2 - ~ 2000 gal UL Gasoline tanks (+ dropping)
Cattle Eng - Contractor - Ray Pantle Tank #2 - 2.5% O2, 15% LEL
Chavey Williamson - OFD present • single wall, asphalt wrapping deteriorated, no holes
Gary Lyons - present X Soil sple from North end of tank 2, no odor obs, moist sandy Cl
H+H trailer: #600935, exp 1/96
X soil sple from South end of T2, sl. odor, moist, blue clay
Run all sples for TPHg + BTEX Sple taken ~ 9-10' bgs
Manifest # 95589416

II, III

Contact G. Lyons
Title _____
Signature X _____

Inspector B. Chan
Signature _____

Excavation Permit Granted _____ No. _____

CITY OF OAKLAND

Tank Permit

Permit to Excavate and Install, Repair, or Remove Inflammable Liquid Tanks. No. 9966

Oakland, California, July 7 1995

PERMISSION IS HEREBY GRANTED TO ~~Install~~ remove ~~Xxxxx~~ Gasoline tank and excavate commencing _____ feet inside property line

on the south side of Hegenberger Loop Street Avenue 250' feet East of hegenberger Rd. Street Avenue

House No. 50 Hegenberger Loop Street Avenue Present Storage Gasoline

Owner W.E. Lyons Construction Address 50 Hegenberger Loop Phone 568-4829

Applicant Cottle Engineering Address P.O. Box 163 Antioch , 94509 Phone 778-4882

Dimensions of street [sidewalk] surface to be disturbed _____ X _____ Number of Tanks 2 Capacity 2000 Gallons, each.

Remarks: _____

This Permit is granted in accordance with existing City Ordinances.
Owner hereby agrees to remove tanks on discontinuance of use or when notified by the City Authorities.
When installing, removing or repairing tanks, no open flame to be on or near premises.

Approved _____ Fire Marshal

Approved _____ Drainage Division Engineering Dept.

EXCAVATING PERMIT

Issued in accordance with Ord. No. 278 CMS, Sec. 6-2.04

_____ square feet of digging or removal granted.

The receipt of $_____ special deposit is hereby acknowledged.

GENERAL DEPOSIT.

BUREAU OF PERMITS AND LICENSES.

Inspection Fee Paid - - - - - - - - - $ $200.00

Received by D. Clemons ck#1117 rec#730030
FIRE PREVENTION BUREAU

N / W / E / S

CERTIFICATE OF TANK AND EQUIPMENT INSPECTION

Inspected and passed on _____ 19____

By _____ Fire Marshal

NOTICE

Before Covering Tanks, Above Certificate Must Be Signed.

When ready for inspection notify Fire Prevention Bureau, 273-3851

THIS PERMIT MUST BE LEFT ON THE WORK AS AUTHORITY THEREFOR.

538-69 (6-67)

MANIFEST DOCUMENTS

W.E. Lyons
Construction Co.
50 Hegenberger Loop
Oakland, California

State of California—Environmental Protection Agency
[redacted]rm Approved OMB No. 2050—0039 (Expires 9-30-96)
[redacted]ease print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
CAC000935626	89416	1 of 1	

3. Generator's Name and Mailing Address
W. E. LYONS CONSTRUCTION
50 HEGENBERGER LOOP, OAKLAND, CALIFORNIA 94621

4. Generator's Phone (510) 568-4829

A. State Manifest Document Number 95589416

B. State Generator's ID

5. Transporter 1 Company Name	6. US EPA ID Number	C. State Transporter's ID
H&H SHIP SERVICE CO	CAD004771168	600935
		D. Transporter's Phone 415 543-4835
7. Transporter 2 Company Name	**8. US EPA ID Number**	**E. State Transporter's ID**
		F. Transporter's Phone

9. Designated Facility Name and Site Address	10. US EPA ID Number	G. State Facility's ID
H & H SHIP SERVICE COMPANY 220 TERRY FRANCOIS/CHINA BASIN SAN FRANCISCO, CA. 94107	CAD004771168	CAD004771168 H. Facility's Phone (415) 543-4835

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. RESIDUE GASOLINE TANK NON-RCRA HAZARDOUS WASTE SOLID	001	TP	02000	P	State 512 EPA/Other
b. RESIDUE GASOLINE TANK NON-RCRA HAZARDOUS WASTE	001	TP	02000	P	State 512 EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
TWO EMPTY 2,000 GALLON STEEL TANKS LAST CONTAINING GASOLINE. TANKS WERE INERTED WITH DRY ICE FOR SAFE TRANSPORT.
PROFILE #A5054

K. Handling Codes for Wastes Listed Above
a. 01 b. 01
c. d.

15. Special Handling Instructions and Additional Information
JOB#16351 JOB SITE: SAME AS GENERATORS #3
24 Hr. Emergency Contact: H&H #(415) 543-4835
WEAR APPROPRIATE PROTECTIVE CLOTHING

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	Signature	Month	Day	Year
W.E. LYONS CONST Co BY GARY W LYONS V.P.	[signature]	11	14	95

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
ROBERY V. PETRUCCI	Robert V. Petrucci	11	14	95

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
S. H. PARSONS	[signature]	11	14	95

GENERATOR / TRANSPORTER / FACILITY

IN CASE OF E[redacted]ENCY OR SPILL, CALL THE NATIONAL RES[redacted]SE CENTER 1-[redacted]24-88[redacted] WITHIN CALI[redacted]IA, [redacted]1-80[redacted]755

95589416

DO NOT WRITE BELOW THIS LINE.

[redacted]TSC 8022A (1/95)
00—22

White: TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 3000, Sacramento, CA 95812

ANALYTICAL RESULTS

W.E. Lyons
Construction Co.
50 Hegenberger Loop
Oakland, California

McCAMPBELL ANALYTICAL INC. | 110 2nd Avenue South, #D7, Pacheco, CA 94553
Tele: 510-798-1620 Fax: 510-798-1622

Cottle Industries P.O. Box 7 Antioch, CA 94509	Client Project ID: # 01181; Lyons Construction	Date Sampled: 11/14/95
		Date Received: 11/15/95
	Client Contact: Roy Panlle	Date Extracted: 11/15/95
	Client P.O:	Date Analyzed: 11/15/95

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*, with BTEX*

EPA methods 5030, modified 8015, and 8020 or 602; California RWQCB (SF Bay Region) method GCFID(5030)

Lab ID	Client ID	Matrix	TPH(g)+	Benzene	Toluene	Ethylben-zene	Xylenes	% Rec. Surrogate
58694	WLC	S	ND	ND	ND	ND	ND	103
58695	WL1	S	2800,b,j	ND< 0.5	2.4	18	57	95
58696	WL2	S	1.7,j	ND	ND	ND	0.016	95
58697	WL3	S	ND	0.020	ND	ND	ND	101
58698	WL4	S	2000,b,d	8.5	15	37	170	95
58699	WL5	S	7.1,b,d	0.096	ND< 0.01	0.68	0.37	97
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit		W	50 ug/L	0.5	0.5	0.5	0.5	
		S	1.0 mg/kg	0.005	0.005	0.005	0.005	

* water and vapor samples are reported in ug/L, soil samples in mg/kg, and all TCLP extracts in mg/L

cluttered chromatogram; sample peak coelutes with surrogate peak

+ The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (?); f) one to a few isolated peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen is present; i) liquid sample that contains greater than ~ 5 vol. % sediment; j) no recognizable pattern.

DHS Certification No. 1644

Edward Hamilton, Lab Director

McCAMPBELL ANALYTICAL

110 2nd AVENUE, # D7
(510) 798-1620 PACHECO, CA 94553 FAX (510) 798-1622

CHAIN OF CUSTODY RECORD

TURN-AROUND-TIME: ☐ RUSH ☐ 24 HOUR ☐ 48 HOUR ☒ 5 DAY

REPORT TO: COTTLE BILL TO: COTTLE

COMPANY: COTTLE ENGINEERING
P.O. BOX 163
ANTIOCH CA 94509

TELE: 510-778-4882 FAX #: 754-8423

PROJECT NUMBER: 0181 PROJECT NAME: LYONS CONSTRUCTION

PROJECT LOCATION: 50 HELGENBERGER LOOP OAKLAND SAMPLER SIGNATURE:

SAMPLE ID	LOCATION	SAMPLING DATE	SAMPLING TIME	# CONTAINERS	TYPE CONTAINERS	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	METHOD PRESERVED: HCL	HNO_3	OTHER
WLC	COMPOSITE	11/14/95	1301	3	SLV		X						
WL1	SPOIL PILE	11/14/95	1145	1	SLV		X						
WL2	WEST PIT 1	11/14/95		1	SLV		X						
WL3	EAST PIT 1	11/14/95		1	SLV		X						
WL4	NORTH PIT 2	11/14/95		1	SLV		X						
WL5	SOUTH PIT 2	11/14/95		1	SLV		X						
		PRESERVATIVE											
		ATTRIBUTE											
		CONTAINERS											

ANALYSIS REQUEST

BTEX & TPH as Gasoline (602/8020 & 8015)	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520 E&F/5520 B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601/8010	EPA 602/8020	EPA 608/8080	EPA 608/8080 - PCBs Only	EPA 624/8240/8260	EPA 625/8270	CAM - 17 Metals	EPA - Priority Pollutant Metals	LEAD (7240/7421/239.2/6010)	ORGANIC LEAD	RCI
X														
X														
X														
X														
X														
X														

OTHER

COMMENTS: COMPOSITE

58694
58695
58696
58697
58698
58699

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:
	11/15/95	13:35	
RELINQUISHED BY:	DATE	TIME	RECEIVED BY:
RELINQUISHED BY:	DATE	TIME	RECEIVED BY LABORATORY:

REMARKS: PIT 1

CERTIFICATE OF DESTRUCTION

W.E. Lyons
Construction Co.
50 Hegenberger Loop
Oakland, California

H&H SHIP SERVICE COMPANY
dba H&H Environmental Services

220 TERRY FRANCOIS/CHINA BASIN STREET, SAN FRANCISCO, CA 94107-2106 ☎ (415) 543-4835 FAX (415) 543-8265

CERTIFICATE OF DESTRUCTION

NOVEMBER 17, 1995

H & H Ship Service Co. hereby certifies to that: D.C. ENGINEERING

1. The storage tank(s), size(s) TWO (2) 2,000 GALS.

   removed from the W. E. LYONS CONSTRUCTION

   facility at 50 HEGENBERGER LOUP
   OAKLAND, CALIFORNIA

   were transported to H & H Ship Service Company, 220 Terry Francois/ China Basin Street, San Francisco, California 94107.

2. The following tank(s), H & H Job Number 16351 have been cleaned, rendered harmless, cut with approximately 2' x 2' holes and disposed of as scrap metal.

3. Disposal site: LEVIN METALS CORPORATION, RICHMOND, CALIFORNIA

4. The foregoing method of destruction/disposal is suitable for the materials involved, and fully complies with all applicable regulatory and permit requirements.

5. Should you require further information, please call (415) 543-4835 or (415) 905-5510.

Very truly yours,

S. H. Parsons
Operations Coordinator