

JOB #91336

SITE WORK HEALTH AND SAFETY PLAN
CHEVRON TANK AND EQUIPMENT REMOVAL

PREPARED FOR
ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
80 SWAN WAY, ROOM 200
OAKLAND, CA 94621

PREPARED BY
GOLDEN WEST BUILDERS
1060 MINNESOTA AVENUE
P.O. BOX 1236
BRENTWOOD, CA 94513
(415) 634-1998

JULY 1991

SITE WORK HEALTH AND SAFETY PLAN

CHEVRON TANK

EMERGENCY TELEPHONE NUMBERS

Fire.....911
First Aid.....911
Ambulance.....911
Police.....911
Poison Control Center.....911

Merritt Hospital
Hawthorne Ave. & Webster
Oakland, CA(415) 655-4000

Alameda County EHD.....(415) 271-4320
Susan Hugo

City of Oakland Fire Prevention.....(415) 273-3851

Golden West Builders
D. Bailey Neff.....(415) 634-1998
Rick Henderson.....(415) 634-1998

Nearest Available Telephone at Site

SITE WORK HEALTH AND SAFETY PLAN
CHEVRON TANK AND EQUIPMENT REMOVAL

1. GENERAL

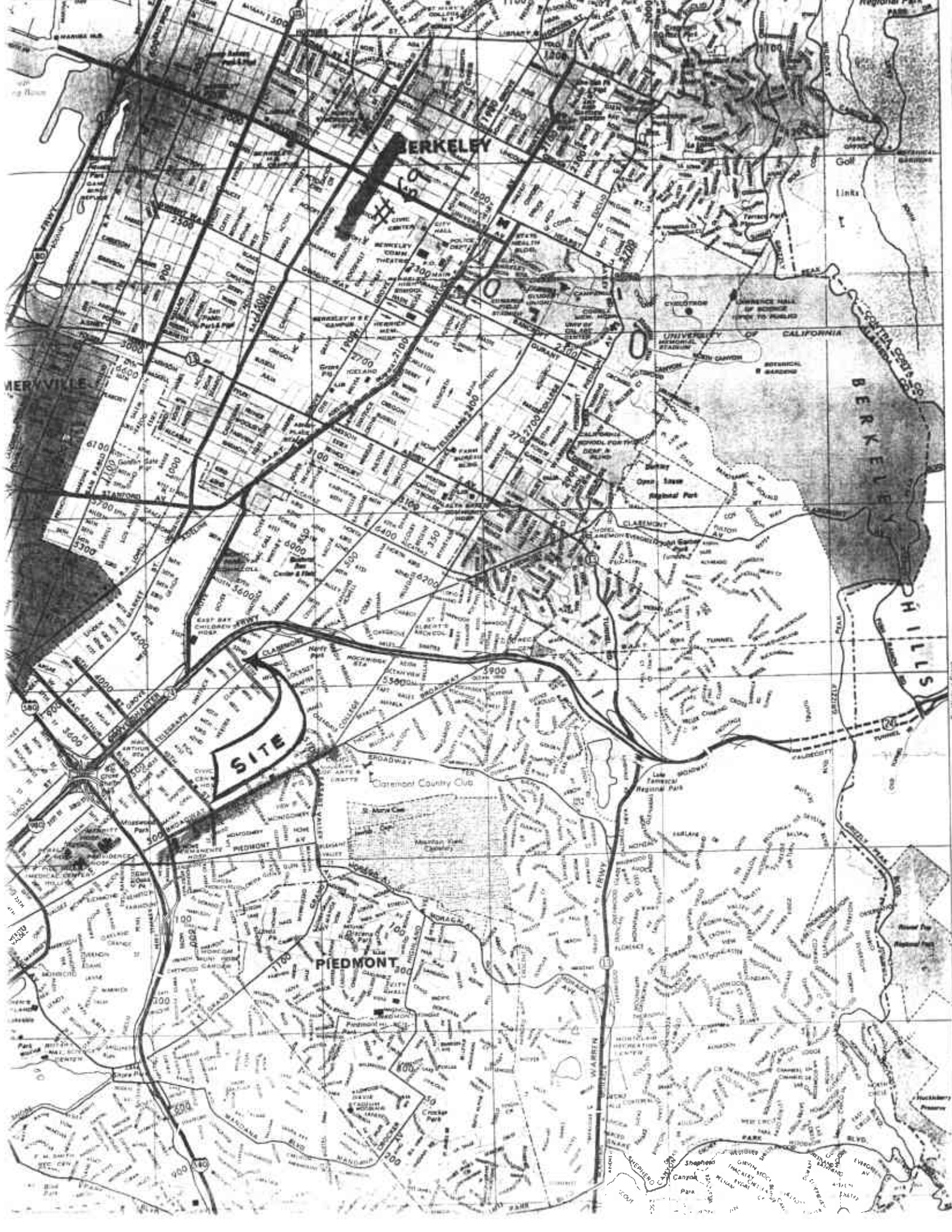
This Health and Safety Plan has been designed to conform to and/or exceed guidance standards promulgated by EPA and the California Department of Health Services, Federal OSHA regulations (29CFR1910.120) and CAL/OSHA regulations. Because considerable experienced judgement must be applied to decisions that will be made while actually working on site, it is the goal of this plan to provide maximum work efficiency while maintaining an uncompromisingly safe working environment. This plan is not a substitute for experienced judgement and direction, or for common sense during the implementation of the tank and equipment removal effort or the safety procedures outlined herein.

Golden West will provide services and equipment for the tank and equipment removal work. Golden West (as well as all subcontractors and independent contractors) will adhere to the Site Work Health and Safety Plan.

2. SITE/WORK DESCRIPTION

The subject property is located at the corner of Telegraph Ave. and 51st St., Oakland, CA. The site address is 5101 Telegraph Ave., Oakland, CA 94609. A site location map is provided in Figure 1-1.

Four (4) buried tanks and contaminated soil, (if any), will be excavated from the site.



BERKELEY

SITE

PIEDMONT

Regional Park

BERKELEY HILLS

MERIVILLE

To Walnut Creek

3. WORK OBJECTIVE

The overall work objective is to provide for proper and safe removal of any residual product stock, removal of underground storage tank(s) and contaminated soil (if any) to achieve proper site closure in accordance with existing local and state regulations. To achieve these objectives, the following subordinate objectives must be accomplished:

- o Monitor tank interiors for flammable or explosive concentrations.
- o Provide for safe removal of flammable or combustible vapors from tanks.
- o Provide for safe tank removal.
- o Provide for safe and proper tank disposal.

4. SAFETY MANAGEMENT

The field supervisor is the site and safety officer and will ensure that all personnel comply with all applicable regulations and requirements of this plan. Due to the various aspects of the work specific personnel are not assigned to this project at present. Basic requirements are:

1. Personnel shall be physically able (and mentally willing) to comply with safety requirements.
2. A copy of this safety plan shall be posted at the job site, and a copy made available to each individual who will work at the site.
3. These plans should also include and/or address as a separate plan, the following:
 - a. A Worker Hazard Communication Program.
4. Periodically scheduled "tailgate safety" meetings shall be held to review the safety program. Attenders will sign the Safety Meeting notice.
5. Unsafe acts shall be stopped when discovered.
6. Required safety equipment shall be present on site and shall be checked to verify completeness and function prior to being put into service.
7. Sources of ignitions will be eliminated where possible. Smoking will be strictly forbidden on site.
8. The field supervisor is Harold Speelman. Personnel may change depending on field conditions. Changes will be noted in the field log book.

5. HAZARDS

Identified Hazards

- o Hazards associated with general construction may occur during the course construction. Personnel should be alert and prevent as well as avoid these hazards.

- o During tank removal, there is a significant potential for hazards from falling loads when lifting and removing tanks. Workers must be especially alert to this hazard.

- o During general construction activities, there is also a potential for general (construction type) safety hazards. This plan does not address general safety in detail. If personnel are frequently reminded and will cooperate in being courteous, careful, alert, and thoughtful of outlined safety procedures, and, if they use common sense in actions and in considering probable consequences, much will already have been accomplished to insure a safe working environment.

- o Fires may occur from sources of ignition.

- o Contamination exposure is negligible on this project. Activities will cease and proper notification made if contamination is found.

- o No noise or electrical hazards are known to exist at the present time.

6. EXCLUDED WORK ZONE

The boundary of the site shall be an excluded work zone. Personnel not actively involved in site work activities (other than inspectors from concerned regulatory agencies) shall not be allowed within the excluded work zone.

7. HAZARD COMMUNICATION

All personnel are to be familiar with this Site Work Health and Safety Plan.

Field supervisor will telephone for emergency service and notify office when needed.

8. ON-SITE WORK PLAN

Removal of Flammable Vapors and Removal of Tanks

Removal of flammable vapors and removal of tanks will be performed in accordance with the requirements of the City of Oakland Fire Department and Alameda County EHD. The following are general guide lines.

A review of available codes, standards, and recommended procedures produces the following consensus:

1. All possible sources of ignition must be kept from impacting the tank or the area in which flammable vapors may reside during excavation or after removal.

2. Drain and flush all piping into tank. Flammable or combustible free standing liquid production stock will be removed from the tank prior to removal. Avoid spilling product on the ground during disconnection of the tank from its associated lines.
3. Vent lines should not be sealed and should be cut last. Keep all sources of ignition away from vent lines as well as tanks.
4. Once all liquid has been removed from the tank, any tank will flammable vapors in excess of 10% of the LEL or 5% oxygen will be purged with dry ice (CO₂). Fifteen pounds of dry ice per 1,000 gallons of tank capacity is added to render the tank inert. All piping except the vent pipe should be disconnected.

Emergency Services

The address and telephone number of the local hospital, ambulance and medical emergency room should be prominently posted. In addition, the telephone number of a fire department/rescue unit should be posted.

General information regarding emergency services may be found on page 2.

Emergency Equipment

The following emergency equipment will be available:

- o A 20-unit first aid kit.
- o ABC fire extinguishers (2).

9. DECONTAMINATION

The requirement for decontamination will be determined by the specific site conditions.

Pre-moistened tissues will be available.

10. SAFETY TRAINING REQUIREMENTS

The minimum training requirements specified in Federal OSHA 1910.120 Hazardous Waste Operations and Emergency Response will be met for all remediation personnel. (If required)

11. EQUIPMENT

Personal Safety Equipment

Workers engaged in the remediation work shall wear/have available personal protective safety equipment as minimum:

- o Hard hats
- o Safety glasses and/or goggles
- o Respirators
- o Work boots
- o Gloves
- o Coveralls

Facility Safety Equipment

The following safety equipment shall be continuously available at the job site:

- o First aid kit (20-unit).
- o Fire extinguishers (2) ABC.
- o "No Smoking" signs.
- o Barricade tape.
- o Explosimeter (LEL)/Organic Vapor Analyzer.

12. PERSONAL HEALTH AND HYGIENE

- o Personal safety and the safety of fellow workers require mental alertness on the part of all employees. No alcohol or drugs shall be permitted at any job site. Intake of alcohol and prescription drugs should be limited when an employee is assigned to hazardous material remediation projects, due to the potential for synergistic effects. Prescription drugs should not be taken without the express approval of a physician with knowledge of project/site activities.
- o Eating and smoking will only take place in an approved break area.

**STATE
COMPENSATION
INSURANCE
FUND**

P.O. BOX 807, SAN FRANCISCO, CA 94101-0807

CERTIFICATE OF WORKERS' COMPENSATION INSURANCE

JULY 11, 1991

POLICY NUMBER: 571-001486
CERTIFICATE EXPIRES: 10-1-91

ALAMEDA COUNTY ENVIRONMENTAL HEALTH
80 SWAN WAY RM 200
OAKLAND, CA 94621

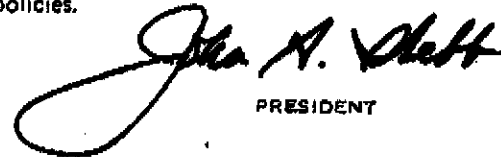
5101 TELEGRAPH AVE.
OAKLAND, CA 94609

This is to certify that we have issued a valid Workers' Compensation insurance policy in a form approved by the California Insurance Commissioner to the employer named below for the policy period indicated.

This policy is not subject to cancellation by the Fund except upon ten days' advance written notice to the employer.

We will also give you TEN days' advance notice should this policy be cancelled prior to its normal expiration.

This certificate of insurance is not an insurance policy and does not amend, extend or alter the coverage afforded by the policies listed herein. Notwithstanding any requirement, term, or condition of any contract or other document with respect to which this certificate of insurance 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.


PRESIDENT

FAX# 634-2515

EMPLOYER

THE D.B. NEFF CORP.
DBA: GOLDEN WEST BUILDERS
P.O. BOX 1236
BRENTWOOD, CA 94513

CSS


CONTRACTOR State of California
Department of Consumer Affairs
CONTRACTORS STATE LICENSE BOARD

License Number: **432103** **CORP**

GOLDEN WEST BUILDERS • NEFF
D B CORPORATION

A C-9 B HAZ ASB

Expiration Date: **12/31/92**



PERMIT

Permit Issued To
 (Insert Employer's Name, Address and Telephone No.)

Golden West Builders
 1060 Minnesota Avenue
 Brentwood, CA 94513
 (415) 634-1998

No. _____
 Date 1/18/91
 Region 2
 District 2
 Tel. (415) 676-5333

Type of Permit ANNUAL EXCAVATION/TRENCH

Pursuant to Labor Code Sections 6500 and 6502, this Permit is issued to the above-named employer for the projects described below.

State Contractor's License Number 432103		Permit Valid through 12/31/91		
Description of Project	Location Address	City and County	Anticipated Dates	
			Starting	Completion
Various excavation & trenching over 5 feet in depth	Statewide	Statewide	1/18/91	12/31/91

This Permit is issued upon the following conditions:

1. That the work is performed by the same employer. If this is an annual permit the appropriate District Office shall be notified, in writing, of dates and location of job site prior to commencement.
2. That employer will comply with all occupational safety and health standards or orders applicable to the above projects, and any other lawful orders of the Division.
3. That if any unforeseen condition causes deviation from the plans or statements contained in the Permit Application Form the employer will notify the Division immediately.
4. Any variation from the specification and assertions of the Permit Application Form or violation of safety orders may be cause to revoke the permit.
5. This permit shall be posted at or near each place of employment as provided in 8 CAC 341.4.

Received From K. Vandegrift	Received By C. Ritter
<input type="checkbox"/> Cash	Amount
<input checked="" type="checkbox"/> Check 4499	\$100
Date	1/18/91

Investigated by Kay D. Zernino Date 1/18/91
Kay N. Zuniga Date _____
 Approved by Russell Umbraco Date 1/18/91
 Russell Umbraco Dist. Manager Date