

September 24, 1993

LF 1649.14

ADDENDUM TO

**HEALTH AND SAFETY PLAN FOR
SOIL REMEDIATION ACTIVITIES
YERBA BUENA PROJECT SITE
OAKLAND AND EMERYVILLE, CALIFORNIA
(Dated May 8, 1991)**

The following text is an addendum to the Health and Safety Plan entitled: "Health and Safety Plan for Soil Remediation Activities, Yerba Buena Project Site, Oakland and Emeryville, California", dated May 8, 1991. This addendum addresses the removal of two oil underground storage tanks (USTs) southeast of the intersection of Yerba Buena Avenue and Hollis Street in Area A of the Yerba Buena Project Site ("the Site"; see Figures 1 and 2). These USTs were discovered during construction activities being conducted in the central portion of Area A of the Site.

The planned activities at the Site include:

- removing liquid from tanks
- removing the soil overlying and surrounding the USTs
- inerting tank with dry ice (CO₂), if necessary, prior to removal by placing approximately 150 pounds of dry ice in each of the tanks to purge volatile hydrocarbons.
- removing tanks and associated piping with a backhoe and/or crane
- collecting native soil samples from the bottom and sidewalls of the tank excavation pit by removing samples from the backhoe bucket
- excavating fuel-affected soils around tank, if encountered, with the backhoe
- backfilling the excavation with soil backfill and compacting. Levine•Fricke will perform field density tests during compaction.

Site Safety Personnel

<u>Name</u>	<u>Responsibilities</u>
Michael J. Stoll or William Madison	Site Safety Officer
Michael Stoll	Project Manager
Shari A. Samuels	Health and Safety Director

All field personnel will observe Level D Personal Protective Equipment (PPE) requirements in all work areas. The primary route of potential exposure for chemicals is inhalation. Inhalation hazards due to volatilization will be monitored using a photoionization detector (PID) to measure concentrations of volatile organic chemicals (VOCs) in the breathing zone. If ambient air concentrations of VOCs in the breathing zone reach 25 parts per million (ppm) or greater, personnel shall upgrade to Level C using half-face air-purifying respirators equipped with NIOSH-approved high efficiency particulate/organic vapor combination cartridges, and Sensidyne brand low-range benzene detector tubes will be used to detect the presence of benzene. If benzene is detected, a temporary stop work will take place, and the area will be (1) cleared of construction personnel and (2) ventilated and monitored until no benzene is detected in the breathing zone. PPE will be worn by all on-site field personnel, including the contractor's personnel.

EMERGENCY PHONE NUMBERS:

- POLICE 911
- FIRE 911

Hazardous Materials Release Response/Reporting

- National Response Center 1-800-424-8802
- California Office of Emergency Services 1-800-852-7550

Toxics Information

- CHEMTREK 1-800-424-6699
- Poison Control Center 1-415-476-6600

- AMBULANCE
- HOSPITAL

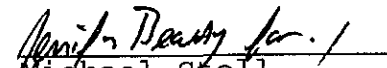
911

Emergency Room
Alta Bates Hospital
2450 Ashby Avenue
Berkeley, California

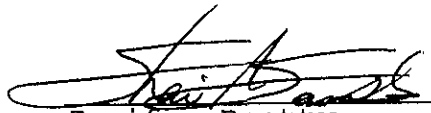
1-510-204-1303

See attached map for route to hospital.

LEVINE•FRICKE APPROVAL SIGNATURE


Michael Stoll
Project Manager

9/27/93
Date


Jenifer Beatty
Quality Assurance Reviewer

9/27/93
Date

