SITE HEALTH AND SAFETY PLAN
UNDERGROUND STORAGE TANK REMOVAL

PREPARED FOR:

FRED DELANOY
(Formerly Camisa Roofing Company)
1901 Broadway
Alameda, CA

SUBSURFACE ENVIRONMENTAL CORP.
PROJECT NO. 93149

PREPARED BY:

SUBSURFACE ENVIRONMENTAL CORP.
1796 18th STREET, SUITE C
SAN FRANCISCO, CALIFORNIA

INTRODUCTION

PROJECT DESCRIPTION

The subject site is located at 1901 Broadway, Alameda, California. There is one 1,000 gallon gasoline underground storage tank located west side of the building beneath asphalt paving. The tank is currently inactive and believed to be empty. This project involves removing the underground storage tank and performing a soils investigation to determine whether an unauthorized leak has occurred.

POLICY STATEMENT

It is the policy of Subsurface Environmental to provide a safe and healthful work environment for all its employees. Subsurface considers no phase of operations or administration to be of greater importance than injury or illness prevention. Safety takes precedence over expediency or short cuts. At Subsurface we believe every accident and every injury is preventable. We will take every reasonable step to reduce the possibility of injury, illness or accident.

OBJECTIVE

This Site Health and Safety Plan describes the policies and procedures that will be followed during the tank removal operation at 1091 Broadway, Alameda.

RESPONSIBILITIES

Project Manager

The project manager for this job will be Mr. Dean Hininger. His duties include overseeing all project activities, supervising site personnel and enforcing and ensuring all Health and Safety Plan regulations.

Health and Safety Officer

The Health and Safety Officer for this project will be Roxanne Harris. She will be the contact for the regulatory agencies and consult with the project manager on matters of safety and health. Her duties include determining the level of personnel protective equipment, performing site inspections, ensuring that all onsite personnel have been given the proper training and determining potential safety hazards as the job progresses.

All Personnel

All personnel are responsible for continuous adherence to the health and safety procedures during the performance of their work. No person may work in a manner that conflicts with the intent of, or the inherent safety expressed it these procedures.

Each person is responsible for their own health and safety, for completing tasks in a safe manner and for reporting any unsafe acts or conditions to his supervisor or Subsurface representatives.

Tailgate Safety Meetings

Each employee will be informed of job tasks to be performed and the hazards associated with each task. They will be reminded of general safety rules and work practices. A review of the work performed the day before and any unsafe conditions will be discussed.

HAZARD ANALYSIS

Physical Hazards:

- Operation of Heavy Equipment & Tools
- Lifting Heavy Objects
- Slipping or Falling Inside Excavations
- Unstable Ground
- Utility Lines
- Noise

Chemical Hazards:

Waste Types
- Gasoline

Waste Characteristics
- Toxic
- Flammable

Hazards of Concern
- Explosion/Flammable
- Organic Chemicals

Hazard Summary

Overall Hazard Evaluation: Low

Fire/Explosion Potential: low

Justification:

Product has already been emptied from the tanks. Carbon dioxide will be used to inert the tanks before removal and a LEL meter will be used to measure oxygen level and combustible vapors. Proper personnel protective equipment will be worn at all times.

PERSONAL PROTECTIVE EQUIPMENT

Hard hats, safety goggles, ear protection and steel toed boots are required.

MONITORING

Instrument	Task	Action Guidelines	
Combustible Gas Indicator	Tank Removal	0 - 10%LEL	No explosion hazard
		10 - 25%LEL	Potential explosion hazard; take necessary precautions
		>25%	Explosion hazard; interrupt task & evacuate
		21.0%O2	Oxygen normal
		<21.0%O2	Oxygen deficient; take necessary precautions
		<19.5%O2	Interrupt task and evacuate

DECONTAMINATION PROCEDURES

We will not be working with any contaminated materials at this jobsite.

CONFINED SPACE ENTRY PROCEDURES

Confined space entry will not be necessary on this project.

SECURING THE SITE

It will be necessary to leave the excavations open while waiting for soils analysis. Barricades, caution tape and plywood will be used over or around each excavation to prevent any entry into the hole.

SPILL CONTAINMENT/EMERGENCY/CONTINGENCY PLANS

ALL EMERGENCY'S CALL 911

Medical Emergency: First aid or other appropriate immediate action will be administered then, if necessary, proceed to nearest appropriate medical facility.

Fire/Explosion: Contact Alameda Fire Department & Police Department at 911. Fire extinguishers will be available onsite.