

Tank Excavators

P. O. BOX 8402 - SANTA CRUZ, CALIFORNIA 95061 - (408) 438-1622

HEALTH AND SAFETY PLAN

Background Information:

Owner: Rifkin Investment Company
81 Lansing Street
Suite 106
San Francisco, CA. 94105

Project Title:

Underground Tank Removal

Site Address:

4549 Horton Street
Emeryville, Ca.

Owners Representative:

Harvey Rifkin

Scope of Work:

Demolish existing concrete/asphalt pavement.
Excavate and remove underground tank and piping.
Backfill excavation, restore pavement.

Working hours:

7:00 A.M. to 4:00 P.M.

Tanks to be removed:

One (1) 1000 gallon gas tank, steel

Disposition of Tank Contents:

Tank is empty.

HAZARDS: DESCRIPTION, PROTECTION, AND MONITORING

The following materials are known, have been stored currently in the tanks to be removed: (gasoline)

Potential Worker Hazards:

Fire / Irritant Hazard:

Demolition Equipment: Backhoes, Hydraulic Breaker, Dump Trucks, Concrete Saw, Air Compressor, Jackhammers.

Removal Equipment: Backhoes, Cranes, Flatbed Trucks.

Backfilling Equipment: Backhoes, Vibratory Compaction Equipment, Dump Trucks.

Potential Physical Hazards Onsite:

Buried Utilities

Unstable Soil Conditions

Overhead Power and Telephone Wires

Overall Hazard Estimation:

None

Personal Protective Equipment:

Work areas, during removal processes are designated no eating, drinking, or smoking.

Level of Protection: D

Equipment to be used; Hard hats, eye protection, hearing protection, long sleeve shirts and pants, leather boots with steel toes and gloves. (Optional)

When to Use:

During all work operations.

Emergency Medical Care and Procedures:

Nearest medical facility (24 hour emergency medical)

Alta Bates Hospital
3001 Colby
Berkley, Ca.
(415) 540-1303

Emergency telephone numbers;

Fire 911
Police 911
Ambulance 911

Emergency First Aid for Materials Present:

<u>Substance</u>	<u>Exposure Symptoms</u>	<u>First Aid</u>
Gas-Vapor	Headache, stupor	Evacuate to clear
Gas-Dermal	Buring eyes, skin dehydration	Flush with water for 15 minutes
Gas-Ingested	Irritation of stomach and intestine, nausea & vomiting	<u>Do not induce vomiting.</u> Transport to Alta Bates Hospital

Protective Equipment Onsite:

Level D and Level C

Level C:

Air-Purifying Respirator, Half Face Organic Vapor Cartridges.

Disposable Chemical-Resistant Coveralls.

Gloves- Inner and Outer (Chemical Resistant)

Boots- Chemical Resistant, Steel Toe and Shank

Hard Hat with Face Shield.

First Aid Equipment Onsite:

Equipment:

Location:

First Aid Kit

Tank Excavators' Truck

Fire Extinguisher

Within 20' of work area

Emergency Eye Wash

Tank Excavators' Truck

Onsite Emergency Procedures:

- 1.) Personal injury or illness; Administer first aid, call ambulance if necessary; Dial 911
- 2.) Fire or explosion: Turn off all motorized equipment; evacuate working area; meet at designated upwind location.
- 3.) Earthquake; Turn off all motorized equipment; evacuate working area; meet at designated upwind location.
- 4.) Hazardous material spill or release: Turn off all motorized equipment; evacuate work area in an upwind direction of the spill or release; meet at designated upwind area.
- 5.) Personal protective equipment failure; If any site worker experiences a failure of alteration of protective equipment that affects the protection factor, that person and his/her buddy shall immediately leave the exclusion zone. Reentry shall not be permitted until the equipment has been repaired or replaced.
- 6.) Other equipment failure; If any other equipment onsite fails to operate properly, the project team leader and site safety officer shall be notified and then shall determine the effect of this failure on continuing operations onsite. If the failure affects the safety of personnel or prevents completion of the work plan tasks, all personnel shall leave the exclusion zone until the situation is evaluated and appropriate actions taken.

Prepared by : Bob Smith
Project Manager

MONITORING

Direct Reading Monitoring Equipment:

Equipment: Gas Tech 1314 Combustible Gas Mixer.
Location For Use: Tank Atmosphere/Excavation.
When used: Periodically throughout tank removal.

Action Levels for Monitoring Results:

Equipment: Combustible Gas Meter
Action Level: Tank
If tank atmosphere exceeds 20% of L.E.L., add additional
dry ice. Do not remove tank until atmosphere is less
than 10% of L.E.L.

On Site Organization and Coordination:

The following personnel are designated to carry out noted
job site functions;

Project Superintendent: Bob Smith

Backhoe Operator: Daryl Pierzina (Tank Excavators)

Tank Hauling: H & H Ship Service

City Representative: Fire Department 655-7678

County Representative: Health Services Inspector
Dennis Byrne 271-4320

Site Control:

Control unauthorized entry of work site by use of barricads
and construction tape flagging.