

SITE SAFETY PLAN

198/91
OAKLAND, CALIFORNIA

W. A. CRAIG, INC.
CONTRACTOR

INTRODUCTION:

This site health and safety plan has been developed to address those safety issues which could impact the health and safety of the site personnel and the surrounding community. The site is on the corner of [redacted] and Fallon in Oakland. The purpose of the work to be undertaken there is to remove the underground [redacted] storage tanks which are no longer being used.

SAFETY / COMMUNITY

Those issues primarily affecting the community are: A, the disruption of the normal flow of the traffic, both vehicular and pedestrian, with the pedestrian being primarily affected due to the closure of the sidewalk during the excavation process and until the site can be closed and the streets and sidewalks returned to their normal conditions. (It should be noted that in this area these portions of sidewalk are not heavily used.) B, the potential for contaminated soil, should such exist, which must be excavated, to allow such contaminants to either vaporize or to contaminate the environment in other ways; and C, the potential danger of the exposed tanks.

A. During and throughout the activities involved in the excavation, tank removal, and restoration of the site the area will be marked by the appropriate traffic and pedestrian barriers, markers, caution

signs, fencing, and other such measures as are deemed necessary. The excavation will be fenced during those times when no construction activity is taking place.

B. Due to the number of years which have passed since the tanks were in use (since 1982) it is not likely that the concentrations of any contaminants, should there have been any leakage, will be sufficiently high to pose a threat to the public health except through possible contamination of the ground water. To preclude any such eventuality the soil removed will be stock piled on plastic and will be covered by plastic until it has been disposed of in accordance with all laws and ordinances pertaining to such.

C. The tanks will only be exposed once the proper permits from the Fire Department having jurisdiction have been obtained and will not be extracted without first having been rendered inert (by the vapor freeing $co/2$ method) and by approval of the representative of the Fire Department, upon their having been tested by an explosimeter which will be available to both the Fire Department personnel and to the construction personnel, on the job site.

SAFETY / PERSONNEL

The safety and health risk factors associated with this site which are of immediate concern to the on site personnel are: the tanks which may contain hazardous vapors which pose a potential for an explosion or are dangerous if inhaled; secondly, if there has been a leak into the surrounding soil of sufficient quantities to produce saturation levels sufficient to produce hazardous vapors. In addition to these site specific factors there are the normal safety issues associated with the operation of the equipment and work related to such construction activities.

The key personnel on the site responsible for site safety will be either, Mr. E. Sproule, or Mr. L. Sanderson. They have recieved training and are experienced in the procedures and equipment associated with this work.

In regard to the handling of the tanks, the tanks will be rendered inert by the standard procedure of vapor freeing by the use of $co/2$ (dry ice) and the tanks will be monitered by the use of an approved

explosimeter which will be available on the site. In addition to these measures two approved type fire extinguishers will be available on the site in the event of fire.

In regard to the potentially hazardous vapors, air quality monitoring equipment will be available and used at the discretion of the Contractor to properly assure the safety of personnel. All site personnel will have approved respirators and level C protective clothing available should localized site conditions necessitate their use.

In addition to these site specific factors there are also the safety factors associated with construction activities. In the event of injury or illness, medical aid is available at the medical facility which is identified on the attached map, on which the most direct route has also been marked.

EMERGENCY PHONE NUMBERS

Ambulance	911
Fire	911
Police	911
Hospital	835-4500
W. A. Craig, Inc. Office	415-525-2780