

ENVIRONMENTAL
PROTECTION

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ENVIRONMENTAL ENGINEERING, INC.

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March 6, 2000

Ms. Susan Hugo
Alameda County
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Subject: Addendum to Site Closure Report
4550 San Pablo Avenue, Emeryville, California

Dear Susan:

Based on our telephone conversation a copy of our Addendum to SOMA's report entitled "Comprehensive Site Closure, 4550 San Pablo Avenue, Emeryville, California" is enclosed for your review and approval.

Please call me at (925) 244-6600, if you have any questions or comments.

Sincerely,

A handwritten signature in black ink, appearing to read "Mansour Sepehr". The signature is stylized and written over a horizontal line.

Mansour Sepehr, Ph.D., P.E.
Principal

Enclosure

MS/jb

cc: Ms. Carol Light, P.E. w/enclosure
Robert Daoust w/enclosure

**Addendum to Comprehensive Site
Closure Report
4550 San Pablo Avenue
Emeryville, California**

This document serves as an addendum to SOMA Environmental Engineering, Inc. (SOMA) report entitled "Comprehensive Site Closure Report" dated February 1, 2000. The purpose of this addendum is to document the removal of a 2,000-gallon fuel oil tank and disposal of its content and rinsate water in early January 1999, from the site. The site is located on the east side of the San Pablo Avenue, between 45th and 47th Streets in Emeryville, California (the "Site"), and formerly operated as a Berkeley Farms dairy facility.

On January 26, 1999 Geo-Logic sampled stockpiled soils around the discovered underground fuel oil tank. Figure-1 shows the location of the tank. The tank had an approximate capacity of 2000 gallons and it was a single-walled steel tank that previously contained fuel oil to power a boiler. Following the conversion of the boiler to natural gas, the tank had not been used, and a slab and concrete block structure had been built over it.

Geo-Logic collected four individual soil samples from various locations at a depth of approximately one foot within the stockpile. The four individual soil samples were composited in the laboratory into one representative soil sample.

On February 4, 1999 Geo-Logic removed the fuel oil tank. The tank was approximately 4 feet in diameter by 16 feet in length. The tank pit dimension during the tank removal was approximately 7 feet by 20 feet. Based on the Geo-Logic report dated March 10, 1999, no apparent holes or cracks were observed in the tank. During the tank removal, the tank was found to contain water and approximately 4 inches of product.

Groundwater was not encountered in the tank pit excavation. A small amount of rainwater was standing at the bottom of the tank pit. After tank removal two soil samples at the northern and southern ends of the tank pit were collected N(4') and S(4'). Figure 1 shows the location of two soil samples collected from the sidewalls at the north and south ends of the excavation, just above the excavation bottom. The soils encountered in the excavation pit consisted predominantly of dark brown stiff silty clay and clay fill and native soils. Groundwater was not encountered.

Analytical Results

The two soil samples and one composite soil sample were analyzed by Calcoast Analytical in Emeryville, California. The soil samples were analyzed for total petroleum hydrocarbons (TPH), as fuel oil, benzene, toluene, ethylbenzene, and xylenes (BTEX) as well as methyl tertiary butyl ether (MTBE) by EPA Method 8020. The composite stock pile soil samples was also analyzed for lead. All of the soil samples were yielded non-detectable levels of BTEX and TPH. Lead was detected at 7.7 ppm in the composite soil sample. Lead is a naturally occurring chemical which up to 50 ppm has been reported as a background level in natural soils.

Disposal

According to Geo-Logic report, on January 15, 1999, prior to removing the tank, water with some fuel oil was pumped from the tank and then the tank was triple rinsed. The liquid from within the tank and the rinsate water, totaling approximately 2950 gallons was transported under manifest by Clearwater Environmental Management, Inc. and taken to Alviso Independent Oil Co. in Alviso, California.

On February 4, 1999, the 2,000-gallon fuel oil tank was transported under manifest by Ecology Control Industries to Erickson, Inc. of Richmond, California. Following receipt of the laboratory analytical results, indicating non-detectable results for all of the petroleum hydrocarbon analytes, and with concurrence of Ms. Susan Hugo of Alameda County Department of Environmental Health, the excavated soils from the tank pit was placed back in the pit.

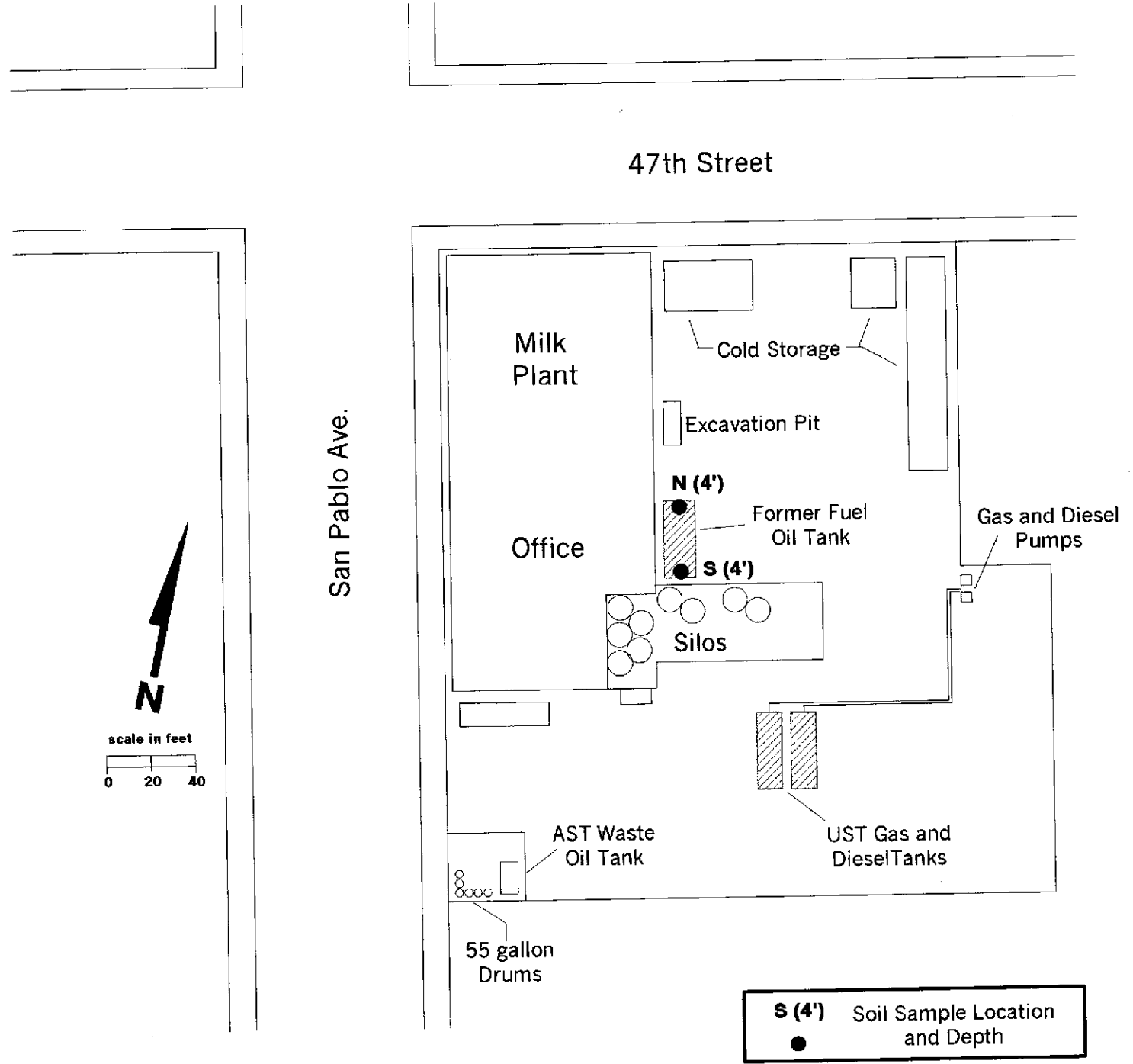


Figure 1: Site Map