



**SCOTT CO.**

MECHANICAL CONTRACTORS  
1717 Doolittle Drive  
P.O. Box 5555  
San Leandro, California 94577-0655  
(510) 895-2333

Contractors License No. 184480

ENVIRONMENTAL  
PROTECTION  
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October 10, 1996

Alameda County Environmental Health  
Hazardous Material Division  
1131 Harbor Bay Pkwy.  
Alameda, Ca 94502

Attention: Dale Klettke

Regarding: Miller Quality Meats 201/206 2nd St., Oakland, CA 94607  
Removal Of Two Underground Tanks

Gentlemen:

This closure report is being submitted on the behalf of Miller Quality Meats, located at 201/206 2nd Street in Oakland. Scott Co. of California was sub-contracted by Fox Construction, located at 1913A Broadway, Alameda, Ca. 94501, General Contractor to Miller Quality Meats. The scope of work was to remove one 1000 gallon bunker oil and one 500 gallon gasoline underground storage tanks, located at the above referenced address. This report outlines the tank removals and remediatory action required to remove affected soils and ground water from the tank excavations.

On Tuesday August 6, 1996 Scott Co. of California removed (2) two underground storage tanks from Miller Quality Meats at 201 and 206 2nd Street in Oakland.

The 1000 gallon bunker oil tank was located at 206 2nd Street and had been abandoned with approximately 750 gallons of bunker oil. The oil/water liquid mixture was pumped completely from the tank on Monday August 5, 1996. On Tuesday, August 6, 1996, approximately 500 gallons of additional water was found in the tank and subsequently pumped, transported and disposed prior to removal.

The tank was removed at 1:00 p.m. and set at grade for inspection by Eva Chew of Alameda County Environmental Health, Hazardous Material Division (ACEH-HMD). The twelve foot long, 4' diameter tank revealed several holes of varying sizes, up to 3" in diameter on the end opposite the fill. The excavation depicted a mild diesel/oil odor and exhibited some signs of soil staining. Soil samples were taken by a representative from Western Environmental Laboratories, who obtained one (1) pit floor sample and one (1) four point composite sample of the stockpiled soil. The pit floor sample location was directed by Eve Chew of ACEH-HMD and was taken five feet below grade at the tank fill end.

The 500 gallon gasoline tank located at the 201 2nd Street address was also found full of liquid prior to removal. Approximately 450 gallons of water was pumped from this tank on Monday, August 5, 1996.

Page 2

Miller Quality Meats

Tank Removals 201/206 2nd St., Oakland.

The 500 gallon gasoline tank was removed at 3:30 p.m. and set grade for inspection by Eva Chew of ACEH-HMD. The 8' foot long, 4' foot diameter riveted tank showed signs of exterior corrosion with no visible evidence of structural failure. Both the excavation and stockpiled soil depicted a strong odor of gasoline. ~~The water level in the excavation was present at approximately 5.5 feet below grade.~~ One (1) four point composite of the stockpiled soil and one (1) discrete sidewall soil sample at the soil/water interface was obtained by a representative of Western Environmental for TPH Gasoline, BTEX and Lead. No water sample was taken at this time due to the obvious impact to ground water.

Due to the obvious impact to soil and groundwater, this site was turned over to Alameda County Environmental Health Local Oversight Program (ACEH-LOP), under the supervision of Dale Klettke.

On Tuesday, August 13, 1996, the analytical was received and faxed to ACEH-LOP for review and comment. The bunker oil tank excavation exhibited elevated levels of TPH Diesel at 11000 ppm and 5000 ppm in the stockpiled soil.

The gasoline tank excavation showed elevated levels of TPH Gasoline at 1700 ppm, BTEX at .54 ppm, 1.4 ppm, 5.5 ppm and 4.7 ppm respectively and 640 ppm in the stockpiled soil. See sample log # 15272 attached, for further details..

In order to expedite future site closure, it was recommended by ACEH-LOP to remove as much contamination source while the excavations were open. To achieve this the tank cavities would have to be over excavated and subsequently pumped and purged to remove both contaminated soil and groundwater.

A decision between ACEH-LOP, Owners of Miller Quality Meats and Scott Co. of California was made to proceed immediately with some type of remediation action as soon as the analytical data was submitted.

~~The remediation work was performed by Scott Co. of California on Friday, August 23, 1996.~~ Over excavation of this site was limited due to the building and street curb on both sides of the excavations. In addition, due to the high water table a 6 feet below grade, limitations on overexcavation depth would also be encountered.

Both tank pits were overexcavated in depth and width, in conjunction with extraction pumping of water; this allowed increased excavating depth and purging of water into the tank cavity area.

Page 3  
Miller Quality Meats  
Tank Removals 201/206 2nd Street Oakland

Approximately 25 cubic yards of soil was removed from the sidewalls and bottom of the bunker oil excavation and ~~15 cubic yards from the gasoline tank excavation.~~  
~~Approximately 750 gallons of water was pumped, transported and disposed from both tank excavations.~~

Scott Co. of California contracted with Bay Area Soils to transport and dispose of all contaminated soil to be remediated at their Richmond Facility by Thermal Desorption. All stockpiled soils from the original tank removal excavations, along with overexcavated soils was sent to Richmond for treatment. ~~A total of 80.85 tons of soil was transported and disposed of off site, approximately half resulting from the overexcavation.~~

~~Soil and water samples were obtained from the excavations by representative from Western Environmental Laboratories. Three sidewall samples were extracted from the bunker oil excavation and four sidewall and one water sample was obtained from the gasoline tank pit.~~

Since no further overexcavation could be performed without jeopardizing the building and street curb, backfilling of both tank excavations was started on Friday, August 23, 1996 and completed on Monday, August 26. Clean imported sand was used for backfilling the excavations to grade, prior to resurfacing with concrete by Fox Construction.

The analytical data was received on Monday, September 9, 1996, and faxed to Dale Klettke, of ACEH-LOP for review. ~~A significant reduction of TPH Gasoline was noted in the soil samples obtained from the gasoline tank excavation. On the other hand, the water sample obtained from this excavation showed elevated levels of TPH Gasoline and BTEX at 34000 ppb, 71 ppb, 73 ppb, 140 ppb and 84 ppb, respectively. ( $\mu\text{g}/\text{l}$ )~~

The bunker oil excavation also showed some reduction in the TPH Diesel. The pit floor sample analysis was non-detect and the sidewalls revealed 9100 and 5700 ppm. See sample log # 15396 attached, for further details.

Per my phone conversation with Dale Klettke of ACEH-LOP, on Tuesday, September 10, 1996, a recommendation will be made by the LOP to perform a preliminary site investigation. Once this is completed installation of 2-3 monitoring wells will be required to monitor the site for a period of one year.

Page4  
Miller Quality Meats  
Tank Removals 201/206 2nd Street, Oakland

Should you have any further questions, please feel free to contact Paul Ferreira at (510) 895-2333 ext. 385.

Very truly yours

SCOTT COMPANY OF CALIFORNIA

Paul Ferreira

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