

W.E. LYONS CONSTRUCTION CO.

FAX TRANSMITTAL

TO: ALAMEDA CONTY HEALTH AGENCY	E
ATTENTION: MR. BARNEY CHAN	-
FAX NUMBER: 337-9335	
FROM: GAZY LYONS	-
SUBJECT: TANK PEROVAL PEROVE	
DATE: 11-30-95 NO. OF PAGES: 5 (INCLUDIN	G COVER)
ORIGINALS WILL FOLLOW BY MAIL: YES NO	1
COMMENTS: ERIGINALS HAVE TREEN MAIL	-ED_
11-28-95 FOR ROY PANTEL/COTTLE	ENG.
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State License 180607 A.B1 50 Hegenberger Loop Oakland, CA 94621 510-568-4829 510-568-3105 FAX

IN CASE OF A PROBLEM WITH THIS FAX, CALL ______ AT 510-568-4829.

On, or about, October 15, 1995 Cottle Engineering was hired to perform the removal of two 2,000 gallon single walled steel underground gasoline storage tanks at W.E. Lyons Construction Co., 50 Hegenberger Loop, Oakland, California, 94621.

On, or about, October 18, 1995, Cottle Engineering applied for an underground tank removal permit from the Alameda County Health Department, Hazardous Materials Division. And after receiving the County permit, applied to the City of Oakland Fire Department for a tank removal permit on November 2, 1995. After issuance of the tank removal permits, we scheduled the tank removal with the inspectors for November 14, 1995 and began removal of the concrete over the tanks on the morning of November 13, 1995.

The excavation was barricaded to prevent entry by unauthorized personnel during the performance of the work. During excavation of the tanks, the excavated soil appeared to be clean and free from petroleum contamination, and was stockpiled on site for future use as backfill for the tank pit. With the exception of a small amount of soil which displayed an odor of gasoline and was segregated from the other, clean spoil.

At approximately 11:15 a.m., November 14, 1995 the tanks were prepared for removal by the introduction of dry ice at a ratio of 2.5 pounds per 100 gallons of tank volume. Approximately two hours after the introduction of dry ice, the tank's atmospheres were tested for %LEL and %Oxygen, in the presence of the inspectors.

At approximately 1:15 p.m. these readings had reached levels that were unacceptable to the inspectors, and additional dry ice was added to each tank. After the tanks reached acceptable readings of %LEL and %Oxygen the tanks were removed from their excavations and the outer walls inspected for signs of corrosion and/or leakage. Upon visual inspection, the tanks appeared to be in good condition with no visible signs of corrosion or perforations of the tank walls. However, tank no. 2 displayed signs of overfilling indicated by gasoline on the outer tank wall which caused the tar wrap to disentegrate.

Immediately following visual inspection of the tanks, they were loaded on a truck operated by H & H Environmental Services and transported to their licensed disposal facility in San Francisco, California for further processing and destruction.

Immediately following the removal of the tank from the excavation, one soil sample was taken from each end of the tank excavations in an area just below the end of each tank at a depth of approximately 9-10 feet below ground surface. A four point composite sample was also taken from the spoil pile generated during excavation of the tank. The samples were properly collected, packaged, and transported to McCampbell Analytical in Pacheco, California for analyses. The samples were analyzed for Total Petroleum Hydrocarbons as Gasoline (TPHg); and Benzene,

Toluene, Xylenes, and Ethylbenzene (BTXE). The analytical reports indicated that in the two samples taken from the tank excavation no. 1 and from the spoil pile, the above named constituents were not detected. The sample W1-1 from the small contaminated spoil pile indicated gasoline at 2,800 parts per million (ppm); sample W1-5 indicated 7.1ppm of gasoline; and sample W1-4 indiscated 2,000ppm of gasoline.

Based upon the findings of the analytical testing, we recommend aeration of the small contaminated spoil pile and excavation of additional soil from the no. 2 tank pit in the area where sample no. WL-4 was taken and aeration of that spoil as well. Confirmatory sampling from the bottom of the tank pit as well as from the aerated soil will be necessary to determine the effectiveness of the additional excavation and the aeration process.

Once it is confirmed that all contaminated materials have been aerated from the soil to levels of 10ppm or below, the aearated soil can be used for backfill material at the site and a site closure can be requested from the local oversite agency.

This report, and copies, have been furnished to the Owner, and the Alameda County Environmental Health Department for their use, as requested.

Should any concerned party have questions regarding the information contained in this report, please contact our office at your convenience at 510-754-9935.

Sincerely,

David E. Cottle, Sr.

Cottle Engineering

5105683105 P.03 NOV-30-1995 11:40 110 2nd Avenue South, #D7, Pacheco, CA 94202 Tele: 510-798-1620 Fax: 510-798-1622 McCAMPBELL ANALYTICAL INC. Client Project ID; #01181; Lyons Date Sampled: 11/14/95 Cottle Industries Construction Date Received: 11/15/95 P.O. Box 7 Date Extracted: 11/15/95 Client Contait Roy Panile Autloch, CA 94509 Date Analyzed: 11/15/95 Client P.O: Gasaline Range (C6-C12) Volatile Hydrocarbons as Gasoline*, with BTEX* EPA methods 5030, modified 8015, and 8020 or 602; Ce ifornia RWO(3B (SP Bay Region) method GCFID(5030) % Rec. Ethylben-**Xylenes** TPH(g)+ Benzene Toluene Surrogate Matrix Client ID zene Lab ID 103 ND ND ND ND ND S WLC 58694 SPOIN HOT 95 57 ND< 0.5 24 18 2800,b,j S WL1 58695 95 0.016 ND ND ND 1.7.j WL2 S 58696 101 ND ND ND 0.020ND S WL3 58697 95 170 37 15 8.5 2000,b,d S WE4 58698 97 0.37 0.68 ND< 0.01 0.096 WLS 7.1,b,d S 58699 0.5 0.5 0.5 0.5 Reporting Limit unless other-50 ug/L W wise stated; ND means not de-tected above the reporting limit 0.005 0.005 0.005 0.005 1.0 mg/kg S water and vapor samples are reported in ug L, soil samples in mg/kg, and all TCLP extracts in mg/L # cluttered chromatogram; sample peak coefutes with surrogate peak

+ The following descriptions of the TPH chronatogram are cursory in nature and McCampbell Analytical is not responsible for liteir interpretation: a) unmod field or weakly modified gasoline is significant; b) heaver gasoline range compounds (the most mobile fraction) range compounds are significant (aged gasoline?); o) lighter gasoline range compounds (the most mobile fraction) are significant; aged gasoline range compounds having broad chromatographic peaks are significant; hologically are significant; d) gasoline range compounds having broad chromatographic peaks are significant; one to a few isolated aftered gasoline?; e) TPH pattern that does not appear to be derived from gasoline?; f) one to a few isolated aftered gasoline?; e) Trendament that does not appear to be derived from gasoline?; h) lighter than water immiscible peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible peaks present; i) liquid sample that contains greater than - 5 vol. % sediment; j) no recognizable pattern.

DHS Certification No. 1644

A Edward Hamilton, Lab Director

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