



November 21, 1995

Ms. Pat Pengelly  
Shiloh West Ranch  
2491 San Ramon Valley Blvd.  
San Ramon CA 94583

RE: TANK REMOVAL PROJECT CLOSURE REPORT  
10250 CROW CANYON ROAD  
CASTRO VALLEY, CA

Dear Ms. Pengelly:

DECON Environmental Services, Inc. (DECON) was hired to excavate and dispose of three underground storage tanks at the Shiloh West Ranch located at 10250 Crow Canyon Road, Castro Valley, California. Tanks sizes were 500, 1000, and 2000 gallons of capacity and contained diesel, gasoline and gasoline respectively.

DECON is a licensed hazardous waste remediation contractor. We have successfully completed over 500 tank removal projects during the past seven years. We pride ourselves in promptly returning our clients' property to environmentally acceptable conditions.

DECON applied for and received permits from the Alameda County Department of Environmental Health (ACDEH) and the Alameda County Fire Department. Bay Area Air Quality Management District was notified of the project by fax.

On November 8, 1995 DECON mobilized a crew and equipment and commenced field operations. The concrete surfacing above the three tanks was demolished and removed with a backhoe. The soil above each tank was excavated with the backhoe and the tops of the tanks were exposed. All fuel and vent lines associated with the tanks were removed and eventually disposed of with the tanks.

On November 9, the tanks were pumped of all residual product and triple rinsed. The liquid waste from this activity was transported under Hazardous Waste Manifest to Petroleum Refining Corporation in Patterson (see Manifest Enclosed). The tanks were then inerted with dry ice to displace oxygen and any flammable vapors that may have been present in the tanks. Accompanied by officials from the Fire Department and ACDEH, DECON checked the Lower Explosive Limit (LEL) and Oxygen content ( $O_2$ ) of each tank. The LEL and  $O_2$  were within the permissible limits set forth by the Fire Dept. With their approval, the tanks were removed from the excavation with the backhoe and loaded onto a flatbed truck licenced to haul hazardous waste. The tanks were shipped under hazardous waste manifest to Erickson, Inc. in Richmond, California. Erickson is a TSD Facility licensed to receive tanks for demolition.

Bulk samples of native soil material were obtained from the bottom of the excavation through the use of the backhoe bucket. The site map enclosed illustrates the sample locations. The soil samples collected for analytical testing were obtained from the backhoe bucket by advancing pre-cleaned 2 inch diameter brass tubes into the undisturbed soil contained in the backhoe bucket. The soil samples were immediately sealed in the liners using aluminum foil and plastic caps and properly labeled including: the date, time, sample location, and project number. The samples were immediately placed on ice for transport to the laboratory under chain of custody documentation.

Five discreet soil samples were collected from the excavation, one water sample was collected from a small puddle located beneath the former 2000 gallon tank, and two (three point) composite samples were collected from the stockpile. The samples were analyzed for total petroleum hydrocarbons as gasoline and diesel (TPH-G, TPH-D) with benzene, toluene, ethyl-benzene, and xylene (BTEX) distinction. Analyses of the samples reported no detectable

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concentrations of petroleum present in any of the soil samples. The water sample contained low level traces of hydrocarbons as gasoline and BTEX present (.88 parts per million TPH-G, see analytical report enclosed).


Per ACDEH requirement, DECON pumped all the water from the excavation the into seven (55 gallon) drums and re-sampled the drummed water. No water had recharged into the bottom of the excavation five days after the pumping occurred. At this time DECON has received authorization from ACDEH to backfill the excavation without any further investigation.

The excavation shall be backfilled with the stockpiled overburden supplemented with clean imported class II baserock. The backfill materials will be compacted by mechanical means. The area will not require resurfacing.

Enclosed with this report are copies of disposal manifests, and analytical reports.

Please call me if you have any questions regarding this project.

Sincerely,

  
Tom Reese  
Project Manager

enclosures

cc: Dale Klettke, Alameda County Department of Environmental Health