

Project Profile

Technical Services

EAGLE
SWS

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Location	Jacksonville, Florida
Client	Confidential
Contract Amount	\$50,000.00
Contract Type	FDEP Pre-Approval (State Funded)
Date of Performance	February 2008 through ongoing
Eagle-SWS Role	Eagle-SWS performed all assessment, sampling and State reporting. Subcontractors included Geoprobe (DPT) drilling and laboratory analysis. All soil vacuuming (excavation), backfilling and associated construction will be performed by Eagle-SWS.

Description: A truck rental facility in Jacksonville, Florida operated as a vehicle rental and repair facility from July 1947 through March 1999. At least fifteen underground and aboveground storage tanks were used for vehicle fueling and oil storage during this time. A discharge of gasoline and diesel fuel was reported in March 1986, from two of the underground storage tanks. Eagle-SWS was contracted to conduct a comprehensive soil and groundwater assessment at this facility to determine the degree and extent of petroleum contamination in the subsurface.

The soil assessment was initiated by installing sixteen soil borings using direct push technology throughout the petroleum contaminated areas at the subject site. Soil samples were collected and field soil vapor analysis was performed using an OVA/PID. During the sampling event, soil samples were collected for laboratory analysis to determine the presence of petroleum constituents. The groundwater was investigated by sampling nine existing monitoring wells for laboratory analysis to determine the presence or absence of petroleum constituents and lead. Results of this investigation revealed that approximately 4,200 yd³ of contaminated soil exist in the subsurface at the project site, with much of the contamination located under the maintenance facility building. Groundwater sampling results revealed that concentrations of benzene and/or naphthalenes exceed Groundwater Cleanup Target Levels; but do not exceed Natural Attenuation Default Concentrations and therefore, can be monitored without the need for active remediation.

Based on the results of this investigation, Eagle-SWS recommended excavating impacted soil in all accessible locations using standard excavation procedures. Soil vacuuming, using a Vac Con will be used to remove contaminated soil beneath the maintenance building. Soil vacuuming will be performed by successively removing sections

Project Highlights

- Eagle-SWS was contracted to conduct a comprehensive soil and groundwater assessment at this facility to determine the degree and extent of petroleum contamination in the subsurface
- Eagle-SWS recommended excavating impacted soil in all accessible locations using standard excavation procedures

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of the concrete floor, excavating the contaminated soil, and immediately backfilling, until all impacted soil has been removed. This project is ongoing pending state funding.