

In May 2009, Exo Tech completed an innovative, Ex-Situ Soil Blending/Non-Aqueous Phase Liquid treatment on an abandoned cleanup site (diesel contaminant release) in Atlanta, GA. Free phase NAPL was observed in several monitoring wells at thickness > 0.5 feet. The depth to groundwater was 5 to 8 feet and soils consisted of sandy silts over bedrock.

Exo Tech personnel employed a surfactant-enhanced chemical oxidation (S-ESCO) process during the remediation project. The treatment involved soil excavation and pre-screening followed by soil blending. The oxidant blend chosen consisted of a mixture of catalyzed hydrogen peroxide (CHP) combined with chelated iron and a "green-friendly" proprietary surfactant.

Soils were fed into a hopper and directed into an auger-driven blender with metered chemical feeds. After blending, treated soils were placed on a conveyer feed and directed to a stockpile. The treated soils were stockpiled a minimum of 2 to 3 days prior to backfilling. Confirmatory sampling events have indicated the continued absence of NAPL at the cleanup site. A "No Further Action" was received after only a few months of job completion.



Former UST Pit/Area of Treatment



Placing Contaminated Soil into  
Auger-Driven Blender



Treated Soil/Post-Oxidation



Completed Area after  
Backfilling of Clean Soil

