



WOOD TREATMENT FACILITY

Manor, GA (Okefenokee Swamp)

Contaminants:

PAHs, penta-chlorophenol, NAPL

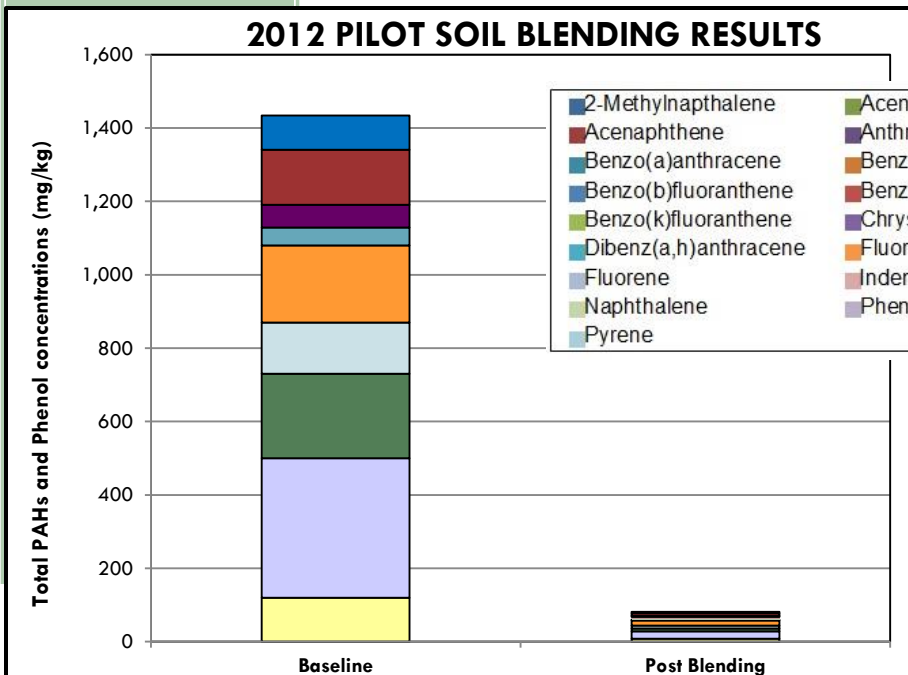
Treatment:

Soil blending using CHP

Site Status:

Active- Pilot complete

- The site is located near the Okefenokee Swamp in the Coastal Plain geologic province. Extensive subsurface investigations indicated the presence of creosote NAPL, PAHs, and pentachlorophenol associated with past discharges in a surface impoundment. Contamination was observed in shallow and intermediate depth groundwater zones to depths of 55-65 where a clay aquitard was encountered. Based on an evaluation of remedial options, a strategy was devised using soil oxidant blending in the source area coupled with ISCO and/or phytoremediation for boundary control.
- An initial soil blending pilot was performed in 2010 resulting in NAPL removal from CHP-permanganate oxidation. A follow-up pilot was performed in the 1st quarter of 2012 using a higher volume dose of CHP only. The results indicated significant reduction exceeding target goals (see graph below). Full scale treatment is tentatively scheduled for later this year.



CHP treated soils shown by white coloration