

Project Profile



Site Remediation

Location	Site of a former manufactured gas plant in Florida
Client	The Auchter Company, Inc.
Date of Performance	2007

Description: SWS Environmental Services was retained to remediate a three-acre portion of a former eleven-acre manufactured gas plant (MGP) site. The soil was excavated in preparation for development of a 68-boat slip Marina. The project site was part of natural storm water run off area that consisted of a wetlands area.

The excavation consisted of removing approximately 50,000 cubic yards of soil/sediment segregated into three categories based upon residual levels of contaminants of concern. Approximately 16,000 cubic yards of non-impacted soil consisted of salt marsh soil/sediment, and approximately 32,000 cubic yards of impacted soil was excavated and transported offsite for disposal. A portion of the soils had to be excavated by dragline and stabilized within the marina basin footprint with quick lime.

SWS Environmental Services utilized two long reach excavators, four off road trucks, a standard track excavator, rubber tire loader, and dozer to manager and excavate impacted sediments. Excavation of impacted soils occurred within a dewatered sheet pile area that included 2,800ft of sheet piling and a 300ft cofferdam. Three different contaminant levels of classified soil had to be excavated in step fashion. Tight excavation tolerances had to be maintained to minimize cross contamination issues that would otherwise have translated into unplanned cost over runs for disposal as these cost varied significantly for each class of soil. All work had to be executed in accordance with an EPA approved removal plan and excavation limits for each soil type, surveyed for compliance.

Saturated soil conditions and unstable soils at the -8.9NGVD to -11.0NGVD level, required equipment to work off matting creating multiple material handling and removal challenges for a large portion of the project.

Project Highlights

- SWS Environmental Services was retained to remediate a three-acre portion of a former eleven-acre manufactured gas plant (MGP) site
- SWS Environmental Services utilized two long reach excavators, four off road trucks, a standard track excavator, rubber tire loader, and dozer to manager and excavate impacted sediments