

Peak Oil / Bay Drums Superfund Site Hillsborough Co., Tampa, FL US EPA Region IV

de maximis Project Coordinator – Mike Miller
de maximis Project Manager – Robert Rule
O & M, Inc. Project Manager – Fred McKay

O & M, Inc. has been involved in the remedial efforts at the Peak Oil / Bay Drums site since 2001. O & M provided the on-site supervision for the OU-1 and OU-3 source remedy. The remedy for the sites included soil and sediment stabilization by solidification and replacement into a single monolith, at each site, which was then capped with a geosynthetic liner. A hydraulic barrier (slurry wall) was also constructed around the monolith at the Peak Oil site.

OU-2 Groundwater RD/RA

Monitored Natural Attenuation (MNA) and Enhanced In-Situ Bioremediation were the methods chosen to address constituents of concern for OU-2.

O & M has continued to be involved with the Peak Oil and Bay Drums sites (Site) by completing a detailed assessment of the central wetlands contaminant distribution. The information gained from this work was the basis for design for the current Air Sparge (A/S) system which is the remedy for this area. O & M provided direct-push and drilling services for the installation of the Air Sparge wells. All seventy five A/S wells were manifold to the Air Sparge equipment by O & M as well. In addition to the Air Sparge system an anaerobic Soy based Oil Curtin was emplaced at the northern boundary of the site. O & M, using direct-push equipment, completed over 54 injections to approximately 30'. Approximately 1800 of gallons of substrate was injected at each location.

O & M was responsible for implementing the following actions of the current OU-2 Activities:

- Delineation of the central wetlands for the Air Sparge system boundary
- Air Sparge system installation in the central wetlands
- Soy base oil injection at the northern boundary of the site
- Continued operations and monitoring

Currently O & M provides on-site maintenance for the sites. This includes the grounds maintenance, OU-1 and OU-3 groundwater monitoring, OU-2 system and groundwater monitoring and the operation of the Air Sparge system equipment.



Project Highlights

- ❑ O & M has provided long term support for both of these sites and just recently (2006) completed all of the OU-2 remedial field activities.
- ❑ Currently O & M is operating the newly installed Air Sparge system, a 75 well system on three manifolds, cycling 8 hours each, 24 hours a day.
- ❑ Analytical results for VOCs in the Air Sparge zone have declined in the first year of operation and some by as much as 98 %. Toluene (a driver compound) was reduced from 51,419 ppb in 2005 to 3.9 ppb in Nov. 2006.

