

# PROGRESSIVE ENGINEERING & CONSTRUCTION, INC.

## Project Summary



### **FDOT FAIRBANKS DISPOSAL PIT GAINESVILLE, FLORIDA**

Progressive personnel provide onsite O&M and engineering design services for this RCRA facility as a subcontractor to a larger, local environmental firm. Site impacts include LNAPLs, DNAPLs, chlorinated solvents, and volatile organic aromatics in soil and groundwater. As Project Site Coordinator, Progressive is responsible for oversight of remedial system operation, evaluation of operating and performance data, evaluation of remedial components and recommendations for upgrades, performance of pilot studies for innovative technologies, design/construction of remedy enhancements, client relations, and data management. Progressive's tasks have included the following:

- ♦ Site investigations to delineate LNAPL and DNAPL in groundwater beneath a modified RCRA cap using direct push technology and an onsite mobile laboratory.
- ♦ Mapping, generation of lithologic logs and 3D modeling of complex site geology.
- ♦ Performance of multi-aquifer dye tracer tests, pilot studies, and long term aquifer tests.
- ♦ Evaluation of potential remedial technologies.
- ♦ Construction oversight of treatment system expansion, monitor well installation, and conversion of monitor wells into recovery wells.
- ♦ Collection and evaluation of operating data, client communication, and preparation of monitoring, permit compliance and performance reports.

Significant recent activities include:

- ♦ 2005 and 2006 - Construction of upgrades to pump and treat systems,
- ♦ 2006 – In-situ bioremediation with the injection of an emulsified edible oil substrate and bacterial culture,
- ♦ 2007 - Design/build of two off-site pump and treat systems,
- ♦ 2007 - Design/build of two air sparging systems, a 45-well northern system and a 30-well southern system in remote, heavily wooded areas,
- ♦ 2009 - Evaluated decommissioning of various remedial components and systems.

Design/build activities included equipment procurement, oversight of subcontractors, construction, and preparation of record drawings and O&M Manuals. Progressive provides ongoing O&M support and troubleshooting, and preparation of semi-annual status reports for the air sparging systems.

### **PROJECT HIGHLIGHTS**

- RCRA
- Engineering Services
- Remedy Design
- Air Sparging
- Design/Build
- O&M
- Bioremediation
- Pump & Treat
- Pilot Studies

### **CLIENT**

HSW Engineering and  
FDOT  
2003 - Present



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