



Manufactured Gas Plant Groundwater Treatment

Gainesville, FL

Carbonair provided a temporary water treatment system for a soil remediation project at a former manufactured gas plant in Gainesville, FL. The groundwater on site was contaminated with petroleum hydrocarbons and PAHs. Carbonair designed the treatment system to meet discharge requirements, allow uninterrupted operation, and to have sufficient carbon capacity to minimize carbon change outs throughout the excavation period of the project.

Field technicians from Carbonair's Jacksonville, FL office delivered, installed, performed system start up, and trained customer staff in system operation. In addition to this installation assistance, Carbonair provided 24 hour on call emergency response service.

Carbonair provided a 600 gallon per minute water treatment system consisting of four 10,000 lb carbon vessels and associated piping and valving for the removal of the organic contaminants in the water.

This system was on site and in operation for four years until the project was completed in 2014. At the conclusion of this long term rental project, Carbonair disassembled the system and removed the equipment from the site.

Project Specifics

- Treatment flow rate: 600 gpm
- (4) 10,000 lb granular activated carbon vessels for removal of dissolved organic contaminants
- (2) 6" HDPE Decon piping headers providing series and parallel operation of the carbon vessels, and isolation of one treatment train during backwash
- Contaminants treated: petroleum hydrocarbons and PAHs

