

## Former MGP Site, Southeast, USA

### Site Investigation through Remediation and Site Development

*Client: Confidential*



The former Manufactured Gas Plant (MGP) had been in operation for over 90 years. During operation, the plant produced gas using a variety of process, first as coal gas, then water (or blue) gas and finally, carbureted water gas. Various features of the MGP were constructed, modified and demolished throughout its lifetime. After operations ceased in 1954, the property was subdivided into several parcels and portions were redeveloped containing a high-rise senior housing facility, a public park/boat ramp (Dram Tree Park), and an electrical substation. Silar Services Inc. (SSi) conducted an Interim Remedial Action in 2007 consisting of the removal of impacted surface soils accessible to the public and finalized the Remedial Investigation Report for the Site in 2008. SSi developed the Remedial Action Plan (RAP) on an expedited basis. The RAP was submitted to North Carolina Department of Natural Resources (now Department

of Environmental Quality) and approved in 2009. In cooperation with the City, the RAP included the excavation of MGP-impacted soils throughout Dram Tree Park and sediments located within the Cape Fear River. SSi installed a cofferdam extending approximately 20 feet into the Cape Fear River, and excavated the MGP-impacted sediments extending from the bank into the river. A concrete cap was installed in the excavation area to reduce further contaminant migration into the Cape Fear River. The cap was also incorporated into the new boat ramp installed at the Site. Over 18,000 tons of MGP-impacted soils were excavated from the uplands sections of Dram Tree Park. SSi is currently performing operation and maintenance activities at the Site.

#### Project Highlights

- Interim Remedial Action conducted to remove immediate potential for exposure to site related compounds.
- Supplemental Site Investigation conducted by SSi to finalize the RI Report.
- Remedial alternative evaluation and selection amenable to all stakeholders clients, regulator, property owners).
- Design and implementation of remedial alternative including new public boat ramp.
- Turn-key services provided including remedial investigation, remedial alternative evaluation, remedial design, permitting, remedial construction, and remedial action reporting.
- Performing operation and maintenance activities including groundwater monitoring.

