

Project Name:	Site Assessment and Assisted Natural Attenuation Remediation
Project Location:	New Orleans, Louisiana
Completion Date:	Ongoing
Project Duration:	Ongoing
Project Value:	\$80,000
Client Name:	Ideal Chemical and Supply Company
Client Contact:	Mr. Dale Ozier
Client Phone Number:	901-375-5543
Technology Utilized:	Sampling, Natural Attenuation, and ORC induction

Project Description

SEMS, Inc. was contracted to perform general sampling, consulting, and engineering services from Ideal Chemical and Supply Company (Ideal).

After a surface spill during a tank filling event, SEMS was contracted to perform a routine subsurface site investigation at the Ideal, New Orleans, Louisiana facility. Chlorinated hydrocarbons were thought to have impacted soils and groundwater at the site. SEMS prepared a workplan, sampling and analysis plan, and a site specific health and safety plan in accordance the Louisiana Department of Environmental Quality (LDEQ) Risk Evaluation/Corrective Action Program (RECAP). LDEQ approved the workplan, sampling and analysis plan, and the health and safety plan.

SEMS proceeded with the site investigation. Although SEMS observed impact to the soil and groundwater, impact was minimal. While preparing a Corrective Action Plan (CAP) for the facility, SEMS recommended Ideal pursue a natural attenuation remedial strategy.

To further assist natural attenuation, oxygen release compound (ORC) was introduced into groundwater that exhibited impact. After six months, the primary constituents have been reduced by more than 50%.

SEMS routinely monitors groundwater quality at the site and installs additional ORC as needed. Within two years, groundwater quality is expected to be within RECAP screening standards. This option greatly reduced the cost of installing a groundwater remediation system or excavation of impacted soil.