

Project Name:	Consulting/Remediation Services
Project Location:	Multi-site
Project Duration:	1997 to present
Client Name:	Restructure Petroleum Marketing
Client Contact:	Mr. Andrew Long
Client Phone Number:	(813) 287-5571

Project Description

In August 1997, SEMS, Inc. was contracted by Restructure Petroleum Marketing Services (RPMS) to perform consulting and remediation services. The following is a brief description of services performed by SEMS:

- C **Quarterly Monitoring, Sampling and Reporting** - RPMS has 12 sites in Louisiana which are in a quarterly monitoring program. On a quarterly basis, SEMS visits each site to gauge monitoring wells, collect groundwater samples, has the groundwater samples analyzed, and prepared reports on a quarterly or semi-annual basis for submittal to the Louisiana Department of Environmental Quality.

- C **Site Investigations** - As required by the Louisiana Department of Environmental Quality, SEMS performs site investigations for RPMS sites in Louisiana. Activities include advancement and sampling of soil borings, installation of monitoring wells, sampling of monitoring wells, and preparation of reports.

- C **Risk Evaluation/Corrective Action Program Evaluations** - SEMS has prepared several Risk Evaluation/Corrective Action Program (RECAP) Evaluations for RPMS sites. The RECAP Evaluations have been performed in accordance with Louisiana Department of Environmental Quality (LDEQ) guidelines. RECAP Evaluations have been prepared using Appendix J guidelines (for typical UST sites) and using Management Option 2 (MO-2) guidelines with volatile constituents located beneath an enclosed structure.

- C **Corrective Action Plans** - SEMS has prepared several Corrective Action Plans (CAPs) for RPMS on sites requiring aggressive remediation. Activities performed by SEMS in the preparation of CAPs include file reviews, review of historical fluid level and analytical data, aquifer testing, and evaluation of remedial technologies as they apply to the site, calculations, remedial system design, and detailed cost breakdown.

- C **Installation of Remedial Systems** - Following approval of the CAP by the DEQ, SEMS obtains necessary permits, orders the remedial system from an equipment manufacturer installs subsurface piping and retrofits recovery wells. When the remedial system has been built, the system is shipped to the site, placed in the desired location, recovery wells are connected, and electrical service is supplied. SEMS has installed various types of remedial systems which include dual phase

extraction (liquid ring vacuum pumps and turbotron exhausters) and pump and treat with soil vapor extraction.

- C **Remedial System Operation and Maintenance** - SEMS operates and maintains remedial systems in Louisiana for RPMS. Activities performed include system monitoring, monthly sampling of influent water, effluent water, and air discharge, system adjustments for optimal performance, and repairs.

- C **Removal/Upgrade of UST Systems** - SEMS has performed several projects for RPMS including the removal of underground storage tanks in accordance with state and federal guidelines. Also, SEMS has performed several upgrades to comply with state and federal regulations which included spill/overflow and cathodic protection.