

Project Name:	Consulting/Remediation Services
Project Location:	Multi-site
Project Duration:	1993 to present
Client Name:	E-Z Serve Management Company
Client Contact:	Mr. Dan Waters
Client Phone Number:	(919) 384-9888

Project Description

In 1993, SEMS, Inc. was contracted by E-Z Serve Management Company (E-Z Serve) to perform consulting and remediation services. The following is a brief description of services performed by SEMS:

- C **Quarterly Monitoring, Sampling and Reporting** - E-Z Serve has many sites in Louisiana which are or have been in a quarterly monitoring program at some time during the past years. On a quarterly basis, SEMS visits each site to gauge monitoring wells, collect groundwater samples, has the groundwater samples analyzed, and prepares 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 E-Z Serve sites. 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 E-Z Serve 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 E-Z Serve 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, 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, pump and treat with soil vapor extraction, free product recovery only, and vacuum sparging.

- C **Remedial System Operation and Maintenance** - SEMS has operated and maintained several remedial systems for E-Z Serve. Activities performed include system monitoring, monthly sampling of influent water, effluent water, and air discharge, system adjustments for optimal performance, and repairs.
- **Removal/Upgrade of UST Systems** - SEMS has performed several projects for E-Z Serve 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.