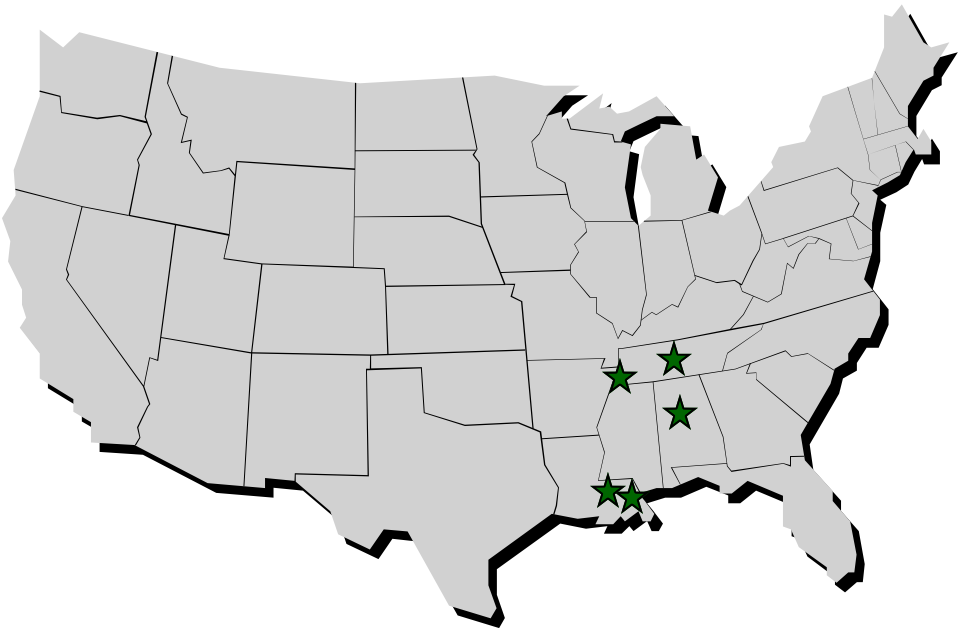
SEMS Inc.

Southern Environmental Management & Specialties

Statement of Qualifications



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OUR MISSION

SEMS, Inc. is committed to attract, train, and retain highly skilled employees that are responsive to our client's needs, always bringing forth a total quality management team.

EXECUTIVE SUMMARY

SEMS, Inc. (SEMS) is pleased to submit this Statement of Qualifications (SOQ) to provide comprehensive environmental management services. SEMS is highly qualified to provide such comprehensive environmental services based on our performance for major petroleum, petrochemical, pipeline, industrial oil, and transportation-related clients. This experience base has made SEMS a leading firm in performing contamination assessments and remedial actions. At the heart of this program is the development of an interactive Client/SEMS team that focuses on the environmental needs of the client.

SEMS personnel have been responding to the petroleum and related industry's spill cleanup needs and many other environmental management problems. As a leader in providing services for decontamination and restoration of land and water resources through investigation, engineering, construction/ remediation, and management, SEMS creatively solves environmental problems. This includes supporting our clients in complying with the requirements of state and federal regulations, the Resource Conservation and Recovery Act (RCRA), Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), the Superfund Amendment and Reauthorization Act (SARA), Clean Water Act (CWA), National Standards for Hazardous Air Pollutants (NESHAP), the Occupational Safety and Health Administration (OSHA), and others.

Years of experience and multiple services are unparalleled and range from simple one-day surficial site assessments to implementation and operation of on-site remediation, pollution control, and abatement systems. The results of SEMS' approach to environmental management include protection from pollution damages, financial benefits during negotiations, and regulatory relief when remediating contaminated sites.

Complete source control, recovery/containment, and soil and groundwater treatment technologies are offered by SEMS in conjunction with services ranging from site characterization and risk assessment, to innovative solutions and through installation and operation of treatment systems and monitoring programs. These include:

- Treatability studies;
- Evaluation of remedial measures;
- Conceptual design;
- Detailed design;
- Permitting;
- Separate-phase and groundwater recover/treatment;
- Slurry wall/cap construction;
- Soil vapor extraction (SVE);
- Soil flushing;
- Stabilization;
- Air sparging; and
- Risk assessment.

Central to our role as a single source for environmental solutions is our project management approach. Through refined project management skills, SEMS coordinates multi-disciplinary expertise from a group of selected contractors and contract laboratories. Solutions are efficiently carried out by program managers. SEMS can coordinate complete, integrated, environmental services throughout the country.

SEMS has developed an innovative program to deliver high quality, consistent, cost-effective and technically sound services. At the heart of this program is the development of an interactive client/consultant team focused on the assessment, remediation, and environmental closure of facilities. The program components emphasize creative approaches to:

- Structure, organization and teamwork;
- Quality;
- State reimbursement programs;
- Business and cost management; and
- Regulatory interface.

The results of the program are accelerated site closures, cost reductions, and increased efficiencies through continuous improvements in quality.

Organization

SEMS consists of project teams dedicated to providing environmental services to the industry. This dedicated staff has the experience, training and resources to get the job done. SEMS has a team of experienced senior professionals who are available to provide specialized technical support as needed.

Typically, SEMS will designate a single person to be responsible for providing the client with the needed technical services, data management, budgeting, scheduling, invoicing, cost tracking, and state reimbursement activities. This Program Manager serves as the primary source of client contact and coordinates project resources and activities. The Program Manager is responsible for ensuring that project managers and other staff assigned to a project complete the work as specified within budget and on time.

The implementation of the environmental management program begins with the staff sharing a common vision and acceptance of a client-focused mission. It is the Program Manager's responsibility to live the vision and communicate it to all team members. Selection criteria for team members to work on a specific client team include successful previous participation in teams and exhibition of a service-oriented personality.

Quality

SEMS has instituted a quality assurance and quality control program (QA/QC). The corporate quality policy approved by the President outlines the quality principles by which SEMS implements its corporate mission. SEMS QA programs describe the overall system of administrative measures and QC "checks and balances" that are performed as part of SEMS' work on a daily basis.

A Total Quality Management (TQM) program, which focuses on a team approach to satisfying client's needs, has been implemented. A Quality Improvement Team is made up of management, project staff and client representatives. The function of the team is to review recommendations for quality improvement that assures progress towards site closure.

Business and Cost Management

SEMS has made an in-depth analysis of the processes that are necessary for the successful environmental assessment, remediation and closure of facilities. This analysis fostered the development of several project tracking and control mechanisms. Our approach involves:

- An emphasis on the "up front" project management tasks of planning and budgeting;
- A standardized approach to projects which streamlines the routine operations that are conducted at each site;
- Unit pricing for many assessment and remediation tasks; and
- Streamlined billing and other administrative procedures to match client requirements.

These mechanisms lead to a "results-oriented" approach to the business management for each site. SEMS approach reduces the number of tasks needed for site closure. The specific tools used by SEMS include:

- Computerized project budgeting and planning;
- Streamlined project approval process;
- Standardized software resulting in paperwork reduction;
- Annual project budgeting and scheduling to coincide with client's budget process;
- Regularly scheduled project reviews;
- Pre-approved invoice format to accelerate payments; and
- Post-project reviews.

Summary

SEMS has a focused organization of professionals dedicated to providing environmental services to our clients. SEMS developed a method of conducting business in the market, which focuses on delivering quality (as defined by the client) and consistency to cost-effectively obtain closure.

With an emphasis on teamwork, effective communication, and problem solving, this SOQ includes a summary of SEMS'

- Capabilities and services
- Program Management Plan
- Quality program and
- Project experience.

1.0 CAPABILITIES AND SERVICES

SEMS provides comprehensive environmental management services to many kinds of industries. These services assist clients in solving their environmental management problems effectively and efficiently. Sophisticated computer capabilities provide abundant information to help clients make quick, informed decisions that save time and control cash flow. Proven, state-of-the-art technologies are designed to minimize the abatement period and reduce clients' costs. Some additional key features of SEMS approach are:

- A Program Management Plan that focuses on communication, cost and schedule control, and bringing sites to closure;
- Use of consistent computerized project budgeting, tracking and data management systems;
- Environmental modeling capabilities for cost-effective means of evaluating contaminant transport; and
- QA/QC procedures that conform to the requirements of the U.S. Environmental Protection Agency (U.S. EPA) and other regulatory agencies.

SEMS works in close coordination with contract laboratories and other subcontractors to be responsive to specific client requirements and to efficiently deliver technically consistent and quality services through this network. The staff has the experience and training to provide the environmental services most often required. These include:

- Assessment and remediation of soil and groundwater associated with spills;
- Project tracking/billing to comply with client specific programs;
- Regulatory support and compliance programs, including receptor analysis and development of alternate site clean-up levels;
- Management services consisting of audits, site prioritization, regulatory compliance, and closures; and
- Field-related services associated with the installation, start-up, operation and maintenance of groundwater and soil remediation equipment.

SEMS also provides a broad range of other environmental services which may be needed; such as, treatment of potential hazardous sludges, stormwater management, biotreatment, NPDES permitting, environmental compliance auditing, emergency response, and RCRA and CERCLA related environmental engineering services.

Relevant services are highlighted in the following paragraphs.

1.1 EMERGENCY RESPONSE MANAGEMENT

SEMS has developed and implemented regional emergency response plans for several clients in the business of petroleum refining, distribution, and retail sales. The plan is used to coordinate spill reporting and cleanup between the client, regulatory agencies, and cleanup contractors. The plan can be modified to meet the needs of a specific client or industry. The emergency response plan is an accessible, quick-reference providing:

- Reporting and response information for releases;
- On-site telephone stickers and placards with emergency hotline information;
- Local, State, and Federal reporting requirements (verbal/written) including reportable quantities and time periods;
- Notification information for client, SEMS, and physical response personnel;
- Physical response within two (2) hours using a pre-established responder list;
- Health and safety regulatory compliance for physical response; and
- Release response documentation.

1.2 ENVIRONMENTAL SITE ASSESSMENTS

SEMS personnel have routinely conducted initial investigations to rule out or identify the presence of potential contamination from known or suspected releases. The purpose of the initial investigation is to determine the potential presence of subsurface contaminants and to evaluate the hydrogeologic characteristics, which may affect their migration. SEMS focuses these investigations on the areas

most likely to be impacted and utilizes field screening techniques to minimize the number of soil borings and/or monitoring wells.

Phase I Assessments are typically performed in accordance with the American Society for Testing and Materials (ASTM), Standard Practice for Environmental Site Assessments (ASTM Standard E1527). Many of SEMS' clients have specific guidelines for initial investigations, which have been successfully implemented and adapted to meet the site-specific constraints and regulatory requirements. SEMS continuously monitors the changing regulatory requirements so that data collected during the initial investigation are readily accepted by cognizant agencies.

A typical Phase I Assessment consists of the following:

- Title search to obtain ownership history (deed search, topographic map, and/or aerial photo).
- Records review (regulatory agency database search for a one-mile radius).
- Site visit (inspection for USTs, waste storage/disposal, visible contaminants, etc.).
- Conduct interviews (previous owners, neighbors, employees, etc.).
- Report findings of site conditions with recommendations (site specific).

If contamination is expected to exist or is identified at a site, then a Phase II Assessment may be warranted. A typical Phase II Assessment may consist of the following:

- Surface soil and water sampling.
- Non-destructive/intrusive subsurface soil field screening (soil gas survey).
- Soil borings with soil sample collection and laboratory analysis.
- Groundwater monitoring well installations with groundwater sampling and laboratory analyses.
- Determination extent of environmental impact and potential migration pathways.
- Report findings of site conditions with recommendations (site specific).

1.3 DESIGN PLAN AND SPECIFICATIONS

SEMS' provides comprehensive design services from alternative analyses to final plan and specification for a variety of applications. SEMS personnel have successfully prepared plans for hundreds of sites and facilities throughout the United States, including CERCLA, RCRA, STATE CERCLIS and rapid response. SEMS approach is to design soil and groundwater remediation systems that are reliable and practical. In each state there are different requirements for the format and level of detail required in the plans. SEMS' personnel have been very successful in developing standardized formats that meet regulatory requirements, provide efficiencies in preparation of the plans and still provide the flexibility to specify reliable and practical solutions for each site. Remediation design plans and specifications prepared by SEMS have addressed many standard corrective action requirements such as containment activities associated with capping, vaulting, slurry walls and French drains and in situ treatment via permeable treatment beds, bioremediation, neutralization, pump and treat, dual phase extraction, and land farming.

1.4 REMEDIATION AND CONSTRUCTION MANAGEMENT

SEMS provides comprehensive remediation and construction management services to many kinds of industries. These services assist clients in solving their environmental management problems effectively and efficiently. Proven, state-of-the-art technologies are utilized to minimize the clients' costs.

Although SEMS performs most of its remedial and construction activities, SEMS staff of Construction Managers and Engineers has the capability of managing these tasks for its clients. A breakdown of the types of projects is presented under specific headings as follows:

Remediation

SEMS' has the depth of resources to execute many different kinds of onsite remediation activities. Some of the major activities SEMS has provided to its clients include:

- Landfill Closures
- Waste Excavation, Transportation, and Disposal

- Soil Solidification
- Soil Washing
- Soil Mixing with Vapor Recovery
- Water Treatment
- Bioremediation
- Building Demolition
- Waste Characterization, Profiling, and Manifesting
- Volume Reduction Utilizing Filter Press, Centrifuge, and Belt Press
- Demolition of Contaminated Concrete and Shot Blasting
- UST Tank Removal and Closure
- AST Tank Cleaning and Demolition
- Drum Characterization, Repackaging, Profiling, Transportation, and Disposal
- Insitu Remediation of Contaminated Soils
- Hazard Characterization (HAZ-CAT)

Construction

SEMS' offers a turnkey approach from start to finish. With our professional engineers, project management, technical support staff, and extensive experience in remedial construction, SEMS can procure the material, execute the work, and manage contractors to ensure construction activities are completed on time and within budget. SEMS insures the constructed remediation systems comply with all local, state and federal regulations and compliance and with final plans and specifications.

All of SEMS personnel are 40 hour OSHA Trained by the requirements of 29 CFR 1910.120, and annually update their 40-hour safety training with an eight (8) hour refresher course. Personnel undergo annual physical examinations in compliance with federal and state regulations. In addition, Health & Safety is top priority and is exercised on all projects, large or small.

1.5 OPERATION AND MAINTENANCE

SEMS is providing operation and maintenance services for many remediation systems for the petroleum industry. These services include routine systems checks, sampling and monitoring. We can provide these services for remediation systems installed by SEMS or by others. SEMS is routinely asked to take over remediation projects and provide repair, upgrade and monitoring services. SEMS has the depth of experience and capability to provide clients with the operation and maintenance support, which may be required.

1.6 CATHODIC PROTECTION MONITORING

SEMS personnel have organized and performed programs for single client, multi-state/site Cathodic Protection (CP) system monitoring of underground storage tank (UST) systems. The program was designed to provide regulatory compliance for cathodically protected UST systems in a systematic, cost effective manner. The programs phases include initial training of facility personnel, implementation of electronic communication systems, scheduling/collecting/reviewing data, summarizing data and client review, and corrective actions.

Training of facility personnel can be summarized as follows:

- On-site meeting with facility personnel to explain the need for this program and their responsibilities;
- Initial site visit to identify location of the monitoring station;
- Instruction to facility personnel on monitoring station location and on operation;
- Instruction to facility personnel on reading and documentation of monitoring station equipment/gauges;
- Labeling the monitoring station and documenting location/instrumentation for future reference by facility and off-site managing personnel; and
- Recording CP system type, monitoring station model and serial numbers, and monitoring station gauges for reference by off-site managing personnel.

Implementation of electronic communication systems can be summarized as follows:

- Obtaining and programming e-mail addresses for each facility for requesting CP data every 60 days (minimum);
- Designing generic instructions and format for facility personnel to record and forward CP data back to SEMS for review;
- Scheduling/Collecting/Reviewing Data can be summarized as follows:
  - Preparing a schedule for sending of e-mails to each facility which would be required to maintain regulatory compliance (every 60 days, minimum)
  - Setting dates by which data must be returned to SEMS for regulatory compliance

- Identifying facilities that have not provided timely e-mail response for requested data and organizing a "milk run" trip for SEMS personnel to collect data for those facilities.

Summarizing data and client review can be summarized as follows:

- Summarizing all data collected from all facilities on a single spreadsheet including dates-of-inspection, rectifier run time readings, and rectifier voltage and amperage;
- Identifying on the spreadsheet, all facilities status with regards to compliance based on monitoring station data collected for that period; and
- Summarizing trends for each system on facility specific spreadsheets. A form is also kept at each monitoring station to document dates and data from that system overtime.

Corrective actions can be summarized as follows:

- Identifying sites that were out of compliance or not operating for each period or for several periods; and
- Coordinating a cost efficient plan to have qualified personnel trouble shoot and repair systems as directed by the client.

This program was designed to reduce cost to our clients by utilizing today's technology to collect regulator required CP monitoring data where possible. This approach minimizes the need for facility visits to only those necessary for data collection or repairs. The money saved on data collection is used for repairs. The systematic approach gives the program the best opportunity for success and the client the best opportunity for reaching it's primary goals of leak prevention and regulatory compliance. SEMS has the flexibility and experience to design programs for meeting each of our clients' specific needs.

1.7 NPDES/POTW PERMITTING AND PERMIT MANAGEMENT

SEMS personnel have had extensive experience in helping clients obtain and manage their process discharges through both the National Pollutant Discharge Elimination System (NPDES) and local Publicly Owned Treatment Works (POTW) systems. Types of discharges managed by SEMS range

from stormwater runoff to small and large point-source discharges. For some clients with multiple discharges form multi-state processes, SEMS has developed large-scale programs to help systematically obtain and manage discharges for permit compliance. Whether for single discharges or for multi-location discharges, the process for both NPDES and POTW permitting/management can basically be summarized as follows:

- Project flow and constituent expected to be discharged from the outfall as well as possible affects to the receiving streams.
- Determine the type of discharge permit that would be most beneficial to the client and their process.
- Begin discussions/negotiations with the regulatory body/permit writer to initiate the permit process for a particular outfall.
- Obtain, complete, and submit the proper permit application requirements, forms, or fees in time for regulatory review/approval to precede discharge initiation.
- Interact with the regulatory body and the public (if necessary) to obtain final permit approval.
- Screen and sample the discharge for parameters and on a schedule to comply with all permit requirements.
- Review all screening/sampling data and summarize appropriate information on the Discharge Monitoring Report (DMR) form or local POTW reporting form/format for client review/signature (if required) and submit prior to the regulatory deadline.
- Prepare Non-Compliance Reports (NCR) if any of the parameters or components of the permit are not met.
- Assess effectiveness of the treatment process in maintaining discharge permit compliance and recommend any upgrades to the client.
- Correspond with the regulating body regarding any treatment process upgrades or downgrades implemented by the client.
- Interact with the client and the regulatory body if necessary to resolve any Compliance Orders issued.
- Devise or renew the permit application prior to completion of the permit duration, allowing enough time for regulatory review/approval.

For some of our multi-state or multi-discharge clients, SEMS prepares a single spreadsheet to help evaluate discharge quality trends and comparisons to the various permit discharge limits. Monthly meetings are typically utilized to discuss program status and direction. SEMS has the vision, experience, and flexibility to cost effectively help our clients manage all their discharge permitting requirements.

1.8 STORMWATER POLLUTION PREVENTION PLANS

SEMS personnel have prepared Stormwater Pollution Prevention Plans (SWPPP) for various types of clients to comply with federal, state, and local regulations. In preparing SWPPP, SEMS will perform a site visit to determine surface drainage features, materials handled and stored at the facility, non-stormwater discharges, and operational procedures used at the facility. SEMS will prepare the SWPPP to include identification of materials handled and stored at the site, identification of best management practices, checklists for inspections and corrective actions, sampling, analysis, and reporting plan, training, and emergency response and spill cleanup procedures.

1.9 SOLID AND HAZARDOUS WASTE PERMITS

SEMS personnel have the expertise to provide assistance to various types of clients in dealing with regulatory bodies in obtaining solid and hazardous waste permits, and obtaining permit modifications. These tasks are often tedious and time consuming due to stringent regulatory requirements. Permit applications will vary depending upon the type of facility and type of permit required. Permit applications could include the general information form, facility maps showing process units, storage areas, landfills, ponds, groundwater wells, etc. In addition, geologic cross sections, surface and subsurface hydrology, perimeter barrier control measures, fire protection, discharges, inspections, financial assurance, and public notification requirements are typically addressed.

SEMS Professional Engineers and Geologists verify design features to minimize long-term cost associated with permit requirements. Our experience will allow quick review and a streamlined permitting process to avoid delays.

1.10 SPILL PREVENTION CONTROL AND COUNTERMEASURE PLANS

SEMS has prepared Spill Prevention Control and Countermeasure (SPCC) Plans for numerous facilities in accordance with 40 CFR Part 112, Oil Pollution Prevention and state requirements. The Objective in preparing a SPCC Plan is to provide procedures for preventing and controlling spills prior to reaching off-site drainage. Professional Engineers with years of experience and familiarity with a clients type of operation will visit each site to properly design a plan to prevent and respond to spills should they occur. Spill prevention is implemented by providing properly designed storage and process areas and spill prevention procedures for the loading, unloading, and transfer of materials. Training of facility personnel and routine inspections and testing of areas are addressed in the SPCC Plan. Spill control is implemented by secondary containment, level sensors, and diversionary structures designed to contain spills should they occur. Spill countermeasures consist of personnel, communication, and containment and collection equipment adequate to prevent the discharge of materials to receiving waters. All of the above stated items are addressed in the SPCC Plan along with recommended design changes to comply with regulations.

2.0 PROGRAM MANAGEMENT PLAN

2.1 OVERVIEW

SEMS personnel developed an innovative, comprehensive Program Management Plan to assure delivery of consistent, results-oriented, cost-effective, and technically sound services. The elements of this plan have been tried and proven effective for clients in terms of quality, service, and cost. The computer programs associated with this Management Plan already have been developed. Dependent upon actual workload volumes, implementation of the Management Plan has resulted in significant decreases in overall expenditures for major clients. This decrease in expenditures is primarily attributable to increased efficiency and a turnkey approach. Additional benefits such as reduced management review time, can be anticipated as a result of having all project data, both, technical and monetary, immediately available.

The key benefits of this Program are as follows:

- Technical staff provide overall program management, facilitate execution of projects, conduct program reviews, and provide technical and management consistency;
- Program Managers interface with a client's managers and provide a single point of contact for work conducted;
- Fully developed computer programs to provide real-time cost and schedule reports by task, facility, and region for routine project management, monthly invoicing and reports, and quarterly program reviews; and
- Documentation and invoicing in a format, which will accelerate, state reimbursement.

2.2 PROGRAM ORGANIZATION

Having tremendous knowledge in terms of personnel and resources throughout the country, SEMS can provide a full range of environmental management services. SEMS approach, however, will be to work with each client to determine the type and scope of services necessary. The required services are likely to vary considerably between sites and could range from specific sampling tasks to providing all environmental support services. Table 1 summarizes the responsibility and authority of the key members of a client team.

A key person is the Program Manager who is the primary client contact and is directly responsible to the client for all phases of project execution and reporting. SEMS will make available the appropriate personnel and resources and provide specific work scopes, schedules, and detailed organizational charts tailored to a client's environmental management requirements.

2.3 PROJECT MANAGEMENT

Implementation of a comprehensive environmental management program begins with the staff sharing a common vision, dedicated to the client's project goals. A flexible project management style based on a sound, rational review of scientific data and consideration of cost-benefit relationships yields a proven ability to mobilize quickly, implement rapid cleanups, and successfully complete projects, including those with incremental task assignments and scope changes.

The Program Managers are responsible for providing the client with the needed technical data, management, budgeting, scheduling, invoicing, cost tracking, and reimbursement services. The Program Managers will serve as the primary points of contact, and will coordinate all project resources and activities. The resources available to these program managers are drawn from a sound base thus enabling the program managers to satisfy all client requirements quickly and efficiently.

Budget Planning

In providing comprehensive environmental management services, SEMS will work with the client in the environmental review process. This integration of professional and technical information is beneficial in developing long-term goals and realistic schedules/budgets for effective environmental management.

Environmental management requirements will be evaluated annually for facility-specific budgetary purposes. These annual evaluations will consider site status and potential regulatory requirements in determining a budget for the next year. Budgets will be broken down according to expected yearly activities. A general schedule for completion of site activities will also accompany each budget estimate.

Project Approval

SEMS will work with a client's environmental management team to develop pre-approved maximum-specified dollar amounts for work orders and change orders. Such a streamlined approval process reduces costs and improves our ability to produce quality work in a timely manner.

Reduction of Paperwork

A key element to achieving project completion in the most efficient and cost-effective manner is a reduction of paperwork. The Program Manager utilizes project management and cost/scheduling tracking software to closely monitor work progress and budgets.

Processing Client's Paperwork

To reduce a client's internal management costs, SEMS can prepare or complete routine work orders for standardized project work as part of the comprehensive environmental program.

Information Management

Tracking of all relevant facility information is essential to providing comprehensive environmental management services. In addition to the computerized budget, cost, and schedule system previously discussed, we will use a variety of programs for information management. Routine sampling, assessment, and compliance monitoring date will be put in computer spreadsheets for chronological tracking of the different types of environmental data by site and event. The types of data could include air, surface water, soil, or groundwater as well as on-site treatment system data and solid waste sampling and documentation. All of the data collected will be related to environmental compliance and as such, will be put in a form that simplifies reporting and documentation.

One Point of Contact

SEMS typically designates a single point of contact to be responsible for providing a client with necessary technical, data management, budgeting, scheduling, invoicing, and cost tracking services. The Program Manager will serve as the primary technical point of contact and will coordinate all project resources and activities, thus enabling the Program Manager to quickly and efficiently satisfy project requirements. The Program Manager must also ensure that Project Managers and other staff assigned to projects complete the work within budget and schedule.

Monthly Reports

SEMS will provide monthly cost and schedule status accounts by project, facility, and region.

Quarterly Reviews

SEMS will conduct quarterly reviews with the client to evaluate the overall program performance and to discuss critical path items and potential project obstacles at specific facilities. Results of these meetings can be distributed to top-level management for review and comment.

2.4 COST MANAGEMENT AND CONTROL

Cost Management Systems

Cost control on projects is achieved through the effective integration of automated control systems to provide a systematic approach to project management. Using these systems, the cost tracking and

control procedures are initiated in the planning stages and carried through all phases of execution to project closeout. This system also has the flexibility to accommodate and control changes in scope, thus controlling cost of ongoing work assignments. The three major components of the control system include a cost estimating system, project management software and cost accounting system.

SEMS has in-place cost management systems for cost and budget tracking. Project cost data are accumulated and tracked, in SEMS' accounting system, which stores, manipulates, and reports financial data for projects. As budgets and schedules are established in the planning process, job phase and task numbers are assigned. Estimates of cost elements are entered into the system in accordance with the work breakdown structure established for the delivery order. Labor charges, vendor invoices, material purchases, analytical charges, equipment costs, etc., are recorded as the project progresses. Weekly detailed transaction registers are prepared to compare planned costs against actual performance analyses.

The Program Managers will review all charges to a client's project on a weekly basis. Each Program Manager will be responsible for confirming that all charges are correct and that the charges were applied to the proper task category.

All invoices will be submitted at a predetermined time of the month and will cover service for a predetermined monthly billing period. A separate invoice and invoice cover sheet will be submitted for each facility. The cover sheet will summarize all activities performed and charges incurred during the billing period and costs will be totaled for each project task. As previously stated, task categories will correspond to specific environmental management activities.

Site costs for the year will be tracked by task and compared against the task project or yearly project budget summaries. These forms will be used to provide yearly budget estimates, year-to-date invoice amounts, and a bulleted list of comments concerning the current site activities/status and the annual budget schedule projections. The project budget summary form will be provided upon request as well as an invoice summary sheet, which will compile invoice numbers and amounts (by month and by site number) for the year.

The project cost and schedules will be the type of tools used by the Program Managers to provide efficient and cost effective comprehensive environmental management services. At the beginning of the program, SEMS will tailor the specific invoice table formats to meet client requirements and software configurations.

These programs were established to facilitate timely generation and review of invoices (to reduce administrative time) and prompt state reimbursement.

Cost Saving Methods

The primary goal of SEMS is client satisfaction. The current market dictates that SEMS be responsive to client needs. One of the overriding needs of the major oil and transportation-related companies is environmental cost savings. SEMS has developed internal controls to improve project efficiencies and thereby reduce client costs. Table 2 lists several cost saving ideas that have been successfully implemented by SEMS personnel.

The majority of tasks, such as mobilization, tank excavation assessment, well installation and development, site assessments, and quarterly reports, could be invoiced on a fixed level of effort basis. These fixed prices would include, field labor, material, and equipment necessary to perform the work at each site, but would also include the cost of project management and technical support required for each task. Such an approach would assure consistency and predictability of costs from site to site and would also ensure that proper reviews and contracts are maintained by alternating sufficient time for senior personnel.

3.0 PROJECT EXPERIENCE

Since 1992, SEMS personnel have provided sampling, assessment, remediation and site-closure services on more than 1,000 petroleum-related projects. In response to market needs, SEMS was created to target services specifically to major oil and transportation-related clients. Table 4 provides a summary of selected work experience.

4.0 QUALITY

4.1 OVERVIEW

SEMS has instituted a quality assurance and quality control program (QA/QC) policy. The concept of quality throughout the corporate structure is depicted in the quality program hierarchy shown in the figure below. The corporate quality policy approved by the President outlines the quality principles by which SEMS implements its corporate mission. To fulfill the quality policy, a general program for quality has been established which is applicable throughout the corporation.

Quality Program Hierarchy

A key part of the overall concept of quality in SEMS is a QA program that has been developed to provide technical direction. The QA program describes the overall system of administrative measures and QC "checks and balances" that are performed as part of work on a daily basis so that the requirements of the work are met as the work is performed. Table 5 shows the QA practices that have developed for all projects. QC, which is the daily quality activity performed by personnel doing the work, is an integral part of the QA program.

Each QA program is implemented and/or supplemented by Standard Quality Practices and Procedures These procedures provide defined, uniform QC practices.

4.2 QA OFFICER

The QA Officer will conduct routine audits of project activity, and resolve any QA problems.

The QA Officer reports to the President. This reporting relationship ensures the independent oversight of quality on all project-related tasks. Project Managers are responsible for the day-to-day supervision of each project, whereas QA Officers are assigned to assist in implementation of the QA/QC program.

4.3 TOTAL QUALITY MANAGEMENT

We have defined "quality" as meeting the requirements of our clients without compromising superior standards; therefore, our final measurement of quality is client satisfaction. The pursuit of quality through an ongoing implementation of a TQM process is an integral part of fulfilling the mission and values of SEMS. Our TQM process is designed to impact every aspect of the project and to involve every team member, from project management to support personnel, in the achievement of quality through continuous improvement of our performance. Our overall intent is to provide an environment of trust, cooperation, and communication to develop and motivate employees to be creative and take ownership of all aspects of their work, including problem identification and resolution, implementation of performance improvement ideas, and maintaining client satisfaction. Quality Assurance is one aspect of SEMS total quality approach to business. SEMS Quality Assurance Manual is consistent with applicable criteria of American National Standards Institute/American Society of Mechanical Engineers (ANSI/ASME) NQA-1. Quality Assurance practices and principles stated within this QA Manual will be applied to all work performed; however, individual task orders may operate under the jurisdiction of the client's Quality Assurance Program. Should inconsistencies exist between the client and our Quality Assurance programs, the client program will have precedence if the client prefers.

4.4 QUALITY IMPROVEMENT PROCESS

The Team: Ordinary People Achieving Extraordinary Results.

The successful execution of service that meets the customer's requirements is achieved at the hands of the service provider. Improving the process by which those requirements are met is also the responsibility of the service provider. From the outset, the SEMS/Client Team will own the responsibility of meeting and exceeding the client's requirements, and for providing the continuous improvements of their day-to-day and site-to-site duties. The ongoing operation produces a cost minimization through process optimization. Because many people are involved in the undertaking (besides the engineers and geologists, there may be accountants, managers of health and safety etc.), the quality improvement team needs to facilitate the improvement process and ensure that the process continues.

In a larger sense, as a partnership matures, those who influence the total program (client, SEMS, and regulatory agency) also participate in improving how business is conducted.

Quality and the Project Team

The individuals selected to execute projects have the necessary credentials and experience to perform and complete the field and office activities. Each position has a description of the duties and expectations. In addition, each person acts as an integral part of the team. As such, each contributes to the production of the overall service.

Empowerment

The personnel who have direct customer contact are empowered to perform their duties to the satisfaction of the client. They control the cost estimation, resource scheduling, and subcontractor selection. They provide the input into the ongoing project prioritization activity. In the field, the Project Geologists are empowered to change the course of an investigation, undertake simple negotiations with regulators, or order additional samples. Their mission in the field is to provide the best pathway to problem resolution and site closure. In doing so, they find new ways to eliminate waste in the process of the particular tasks. They are responsible for identifying the action that is

contributing to inefficiency, quantifying the problem, and suggesting the solution to the problem with an associated cost savings.

Mutual Respect

Part of empowerment is the mutual respect for all members of the quality improvement team. The Program Manager sets the example, so that harmony exists that allows for a fluid exchange of ideas, a willingness to assist, and promotion of a strong team feeling. Although teamwork may seem like a given among coworkers, we place special emphasis on its significance in a close group of people working on a common goal. Mutual respect among all team members includes a dedication to disseminate information quickly and visibly so that work can proceed continuously and efficiently, and so that suggestions (and their improvements) are communicated to all who are affected.

Measurement

Improvements are quantified by measurement. Focus can be directed on factors affecting the input, the process, and the output of the service provided. During the initial stages of a client relationship, SEMS focuses on measuring the output to create a momentum for suggestions, establish a comfort zone with elementary statistics for quality improvement, and demonstrate results to the team members as soon as possible.

Three areas require measurement to monitor the output of the process. They are quality cost, customer satisfaction, and employee performance. A client is typically interested in monitoring the progress and results of the continuous improvement process through cost savings.

Training

There are two key areas of training. The first is continuous quality improvement training. The second is technical training.

The staff must understand the procedures required by a particular client and why the procedures were developed. The same is true for the internal procedures and any required by the regulatory agencies. This is accomplished partially by in-house training and partially in the field.

Surpassing Expectations

Project staff will ensure that the client understands what to expect from SEMS in every aspect of interaction. Lack of this understanding represents a root cause of perceived poor service.

Getting a client to understand what to expect of SEMS and getting SEMS to understand and fulfill the requirements of the client requires up-front and continuing communication.

The goal of the team is to provide the client with a service that is the best value for their dollars. For example, the result could be the elimination of environmental liability with a minimum dollar per gallon of product impact. Communicating specific and obtainable objectives empowers us to achieve our goals and, aided by the continuous improvement process, to surpass the expectations for the team.

The implementation process begins with the sharing of a common vision and the acceptance of a collective mission. It is the Program Manager's responsibility to live the vision and communicate its basis to all team members. Program staff selection criteria include components of successful participation in teams and exhibiting a service-oriented personality. Failing to demonstrate these abilities is sufficient grounds for exclusion from the team.

Management and staff continually engage the team in activities that promote team spirit. These include group training, follow-up workshops, cross training, and off-hour (recreational) events.

4.5 QUALITY RECOGNITION AND MOTIVATION

It is the belief of Senior Management that it will not be a lack of profitable opportunities that limit future growth, but rather the company's ability to recruit, train, promote, and retain the best people in the industry. Professional opportunities and identified paths to reach these opportunities are essential in meeting objectives for growth.

TABLES

TABLE 1
RESPONSIBILITIES OF KEY TEAM MEMBERS

POSITION	RESPONSIBILITIES	AUTHORITY TO
Project Manager	- Overall project leadership/direction - Maintains clear, effective, up to date communications with client environmental engineer and regulatory agencies - Manages project execution and evaluates performance - Organizes and supervises project team and project assignments - Implements and improves quality program - Provides technical oversight - Prepares project status and budget reports - Empowers and motivates staff - Approves expenditures, subcontracts, and invoices - Reviews work products	- Execute all contract terms - Approve program procedures - Approve/monitor budgets and schedules - Approve invoices - Approve formal correspondence - Approve project assignments - Interface with client personnel - Issue Cost/Technical Proposals
Task Manager	- Schedules resources (subcontractors, technicians, etc.) for field work - Directs field operations - Reviews geological data to evaluate project direction - Complies with internal customer requirements - Submits cost savings suggestions - Prepares work products - Interfaces with field agency representatives - Applies the tools and techniques for continuous improvements in quality	- Implement work plans - Recommend personnel for project assignments - Develop/review work products - Supervise technical support staff and technical performance
Program Manager	- Arranges client/regulatory agency technical information exchange - Selects and empowers project team staff - Oversees project productivity and efficiency - Evaluates and supports quality improvement points - Identifies and implements staff training requirements - Recognizes and rewards outstanding achievements - Authority to access manpower and technical resources	- Direct all activity - Provide additional manpower and equipment
Program Director	- Market definition - Detailed description of project phases/activities - Project cost model and schedule - Organizational charts/staffing levels - Standardized reports/proposals (generic and client specific - Office field equipment needs - Office computer hardware/software needs - Detailed staff training program - National/regional pricing strategy	- Develop and implement programs to promote consistency, quality and client responsiveness
Technical Team	- Review special projects for technical completeness and cost reductions - Presents informational technical sessions for regulators, client, and internal staff - Interacts with client on technical matters	- Approve delivery of product
QA Officer	- Maintain QA Program - Prepare/implement QAPP - Conduct audits of project activity - Resolve QA/QC problems with Task Managers	- Require corrective measures to ensure quality
Health & Safety Officer	- Prepare Health and Safety (H&S) Plan - Review tasks for compliance with H&S regulations - Support client interface with regulatory agencies - Ensure tasks are performed using appropriate H&S measures and guidance	- Require corrective measures to ensure H&S - Stop work due to severe H&S concerns

TABLE 2
COST SAVING METHODS

- Reduce number/frequency of wells sampled
- Reduce reporting frequency
- Reduce types of sample analyses
- Direct bill of equipment, analytical, drilling, T&D, etc.
- Detailed cost/benefit analysis of remedial alternatives
- Specify the site-specific goals and objectives at the beginning of a project
- Standardize cost tracking and control systems to assure budgets are met and probability of sate reimbursement is maximized
- Combine project phases (e.g., Phase I and II)
- Utilize field screening techniques instead of initial monitoring well installation
- Develop templated remedial designs to minimize design costs.
- Simplify reports to reduce preparation time and shorten review process
- Consultants acting together can get price reductions from third party subcontractors
- Conduct formalized project reviews
- Consultants work together to form "client team"
- Dedicated, client-specific project teams
- Establish working relationship with regulators to minimize review time and promote approved of alternative remedial actions

TABLE 3
UNIT PRICE CATEGORIES

Mobilization

Tank Excavation Assessment (TEA)

Monitoring Well Installation/ Development 3 Wells

Air Rotary Drilling (___ Days)

Additional Well Installation (____ Wells)

Gage Wells (up to 6)

Gage/Sample Wells (up to 8)

Soil Borings (___ Feet)

Grassroots Environmental/

Geotechnical Report

Soil Gas Survey (1 Day)

Slug Test (1 Day)

Health and Safety Plan

Aquifer Pumping Test (8 Hour)

Step-Drawdown Test

Additional Pumping Wells (___ Wells)

TEA (____ Additional Days)

Well Survey (___ Wells)

Additional Day Drilling (___ Days)

Assessment Report

Gage Additional Wells (____ Wells)

Gage/Sample Additional Wells (____ Wells)

Well Abandonment (___ Wells)

Quarterly Report

Soil Gas Survey (____ Additional Days)

Slug Test (____ Additional Days)

Sensitive Receptor Survey

12-Hour Pumping Test

24-Hour Pumping Test

Additional Monitoring Wells (___ Wells)

TABLE 4
SUMMARY OF COMPANY EXPERIENCE

CLIENT	ESA	SAMPLING/ MONITORING	REMEDIAL DESIGN	CORRECTIVE ACTION	REMEDIAL SERVICES	PERMITTING	EMERGENCY MANAGEMENT	NPDES	AIR QUALITY
Angus Chemical	X	X							
Arizona Chemical		X	X		X				
Browning Ferris Industries				X	X				
Cargill Corn Milling Div.		X				X		X	
Charlotte Chemical		X		X	X				
Circle K Corporation		X			X		X		
Coca-Cola				X	X	X			
DEMCO	X	X	X	X	X		X		
Equilon Pipeline Company		X				X	X	X	
Ethyl Corporation	X	X	X	X	X	X		X	X
E-Z Serve Management	X	X	X	X	X	X	X	X	X
Federal Aviation Admin.	X	X	X	X	X	X			
Fort McClellan		X		X	X				
Lafayette Airport		X	X	X	X	X		X	
LDEQ (Old Inger Superfund)		X	X	X	X		X		
Lockheed Martin			X	X	X			X	X
MAPCO/Williams	X	X	X	X	X	X	X	X	X
Memphis Light, Gas & Water			X	X	X				
Morton International			X	X	X				
Motiva Enterprises	X	X		X	X				
Restructure Petroleum Market	X	X	X	X	X	X	X	X	X
Shaw		X		X	X				X
Shell Pipeline	X	X		X	X	X	X	X	
Star Enterprise	X	X				X		X	
Tenneco Oil	X	X	X	X	X	X	X	X	X
URS		X		X	X				
Vidrine Property		X		X	X				
Waste Management		X	X	X	X	X	X		
Weston Solutions		X		X	X				
Williams Pipeline	X	X	X	X	X	X	X	X	X

TABLE 5
QUALITY ASSURANCE PRACTICES

Outline
Organization and Responsibility
Preparation and Control of QA Documents
Procurement Control
Project Execution and Peer Review
Field Investigation Documentation and Sampling
Sample Control
Sample Receipt and Initiation of Testing Program
Field Laboratories
Field Equipment Calibration and Control
Equipment Maintenance; Field, Laboratory, and Construction
Laboratory Calibration Practices
Analysis of Quality Control Samples
Analytical Procedures
Data Verification
Personnel Training
Modeling and Design Verification
Remedial Action and Construction Verification
Manufacturing Processes and Quality Control
Field Installation and Inspection
Control of Project Changes
Nonconformance Corrective Action
Records Management
Quality Assurance Audits and Inspections
Management Participation
Quality Assurance Reports to Management

ATTACHMENT A

RESUMES OF KEY PERSONNEL

Mark L. Morgan, P.E.

Professional Qualifications

Mr. Morgan is responsible for execution of all activities of SEMS, Inc. He has proven to be a successful manager of large projects as well as motivating large groups of professionals and non-professionals to execute daily operations to meet company driven objectives. He has managed projects involving assessment, design and construction of waste management facilities, including the comprehensive permitting process required for all kinds of waste containment and treatment facilities. He has been recognized as an expert in court cases involving environmental contamination and remediation including drinking water impact.

Education

B.S., Civil Engineering, Louisiana State University, Baton Rouge, Louisiana; 1978

Registration/Certification

- Professional Engineer: Louisiana, Mississippi, Arkansas, Florida, South Carolina, Alabama, Tennessee, and Texas
- Licensed Contractor: Louisiana, Mississippi, Alabama, and Tennessee
- Licensed Water Well Driller: Louisiana, Mississippi
- UST Closure Certified: Louisiana

Experience and Background

1992-Pres. ***President, SEMS, Inc., Baton Rouge, Louisiana.***
Mr. Morgan is responsible for overseeing all company designated programs. The business specializes in Assessments, Risk Analysis, Plans, Corrective Action programs, Groundwater Monitoring and general Environmental Consulting.

- Program Manager for implementation of all Post-Closure requirements including on-going Groundwater Remedial efforts, Interim Status impoundment closure, Monitoring and RFI/CMS at a significant Chemical Complex. RFI required three dimensional fate and transport modeling of six (6) groundwater units.

- Engineering Manager for assessment of the Timber Plus site for the LDEQ.

- Quality Assurance/Quality Control and Construction oversight during construction of two cells and closure of the two cells for the only Subtitle C landfill in Mississippi.

- Stormwater Pollution Prevention Plan for a major ship building and repairing facility; including Corrective Action plans to bring the facility in compliance.

- Project Manager for construction and application of Waste on a bioremediation CAMU in Mobile, Alabama.

- Developed and implemented a low cost treatment process to reduce Chlorinated Hydrocarbon concentrations by 99.6% at a major government owned facility.

1992 ***Eastern Division Manager - Groundwater Field Services, IT Corporation.***
Mr. Morgan was responsible for the operations and management of twelve regional offices in the eastern United States that performed assessment, groundwater monitoring, design, installation, and operation and maintenance of groundwater corrective action projects and systems. The offices included: Shrewsbury, Mass.; Bellmawr, N.J.; Bridgeport, Conn.; Pittsburgh, PA. South Charleston, West Va.; Farmington Hills, Mich.; Columbia, S.C.; Montgomery, Ala.; Austin, TX.; Houston, TX.; Baton Rouge, La.; and Knoxville, Tenn. The services included drilling as well as comprehensive groundwater management from initial assessment/discovery of a release through closure.

1988 - 1992 ***Regional Manager, Construction and Remediation Services Group, IT Corporation.***
Mr. Morgan was responsible for the management including Profit and Loss Responsibility of the southern offices for IT Corporation in the Construction and Remediation Services Division. His strong engineering background and understanding of RCRA and CERCLA compliance issues allowed for innovative solutions to many specific remediation needs. He has been successful in initiating several branch offices and upgrading them into client responsive offices as well as manager for very large projects such as:

- Construction of two cells and closure of two cells at the only permitted Subtitle C Landfill in Mississippi.

- Regional Manager for IT's $50MM rapid response contract with the Corps of Engineers including projects throughout the United States, Guam and Puerto Rico.

- Developing and implementing vacuum enhanced pumping (dual phase) and biopile construction and operations at a number of sites for a major oil company.

- Project Manager for a $8MM waste pile closure for Merck in Puerto Rico, including disposal at Pinewood landfill in South Carolina.

- Project Manager for closure of large hazardous waste surface impoundment by in situ solidification, delisting material and providing adequate groundwater monitoring plans and combination clay/synthetic liner cap to insure limited long term liability.

- Project Manager for developing Closure Plans including Risk Assessments for clean closure criteria, Groundwater Monitoring Plans and Post Closure Permits for a major industrial plant's RCRA units.

1986 - 1988 ***Senior Project Engineer, Engineering Projects Group, IT Corporation, Baton Rouge, Louisiana.***
Mr. Morgan was the Senior Design and Project Manager in the Baton Rouge office. Mr. Morgan managed all significant projects. He had a staff of five engineers and three QA/QC specialists and four draftsmen. Project sizes ranged from small assessments up to eight million dollar RFI/CMS projects.

- Project Manager for a RFI/CMS that involved the installation of eight hundred monitor/recovery wells, wastewater treatment, closure feasibility and execution and hazardous waste landfill design. Complete detailed transport and fate modeling of the Sparta sands below the facility.

- Design of landfills and closure of non-compliance units to upgrade the facilities to meet current technology requirements; including interim status closure plans for approximately 40 units.

- Manager of property transfer assessment for over 300 locations for a major oil company, and technical advisor for another property transfer assessment of 130 sites for another company.

- Project Manager for the Remedial Investigation/Feasibility Study and Remedial design of the Old Inger Superfund Site in Louisiana as well as review of technical aspects of other plans prepared for remedial action at other superfund sites utilizing Corps of Engineers specifications.

- Tank Inspections and calculations to certify integrity for at least 40 tanks and certification of a large hazardous wastewater treatment plant and hazardous waste tanks for structural and compatibility requirements.

1983 - 1986 Manager of Projects, Pearce and LeBlanc Constructors and Engineers, Baton Rouge, Louisiana.

Responsible for keeping abreast of all construction and engineering/design including environmental permitting issues related to construction.

- Design, permitting, and construction of landfarm for disposal of solid waste sludge from city sewerage treatment plants. Permit included: hauling, operation, disposal, monitoring, testing and closing the facility.

- Design, permitting and field construction management for solidification process for cleaning a sludge lagoon and disposal at a permitted landfill.

- Project manager for closure of Landfills at a major industrial plant.

- Management of the installation of liners at the Cecos Hazardous Waste Disposal Facility in Livingston, Louisiana. The project included many difficult excavation/dewatering procedures 25 feet below the groundwater table including both Wellpoint and Slurry Wall installations.

1981 - 1983 Manager of Operations, GDC, Inc., Baton Rouge, Louisiana.

Responsible for all field and laboratory personnel, data acquisition, sample collection and engineering design.

- Preliminary field, laboratory analysis and recommendations for management of waste at national priority list sites including: DeQuincy, Basile, Tate Cove, Bayou Sorrel, Old Inger and other hazardous waste sites.

- Permitting Colonial landfill as an Industrial solid waste landfill. Included all phases of site assessment investigation through operation.

- Property assessment of 33 separate solid waste landfills for closing or permitting for continued operation.

1978 - Project Engineer, Servitron Inc., Baton Rouge, Louisiana.
1980 Project engineer for many different civil engineering projects including structural, hydrology, hydraulic, geotechnical and water and sewerage distribution projects.

- Bench scale laboratory control for in situ closure of oily sludge at the Exxon Silt Pond, Baton Rouge, La.

- Installation of the first "RCRA" monitoring wells in Louisiana for Department of Health and Hospitals, Department of Natural Resources and later the Department of Environmental Quality.

Professional Affiliations

- American Society of Civil Engineers
- Louisiana Engineering Society
- State of Louisiana Engineers Selection Board
- American Consulting Engineers Council (President Baton Rouge Chapter)
- City of Baton Rouge Engineer's Selection Board
- Southeast Louisiana Flood Protection Authority- West
- Coastal Protection and Restoration Authority

Richard W. Lee, E.I.T.

Professional Qualifications

Mr. Lee has more than 18 years of experience in the environmental engineering and remediation business. Mr. Lee is currently Vice President of SEMS and is responsible for management of personnel as well as various projects. Mr. Lee has managed a variety of projects from small to large scale engineering and construction/remediation projects. These projects have varied from small Phase I Investigations to large remediation projects at governmental facilities. His training in Petroleum Engineering allows him to provide technical assistance to many aspects of our operation.

Education

- B. S., Petroleum Engineering, Louisiana State University, Baton Rouge, Louisiana; 1987
- Certificate of completion in Asbestos in Buildings Inspection and Assessment, Louisiana State University, Baton Rouge, Louisiana; 1989
- Licensed Contractor: Louisiana

Registration/Certification

Engineer-In-Training, State of Louisiana

Experience and Background

1993 - SEMS, Inc., Baton Rouge, Louisiana.

Pres. Mr. Lee is responsible for the operation and management of personnel and projects performed by SEMS, Inc. The engineering and remediation groups perform projects such as site investigations, permitting, risk assessment, compliance evaluations, site monitoring and sampling, installation and operation and maintenance of soil and groundwater treatment systems, reporting, underground storage tank closures and installations, and remediation of impacted soil and groundwater.

- Project Manager for UST Compliance Evaluation Inspection project for the LDEQ that included the inspection of 284 sites.

- Project Manager for Post Hurricane Assessment Contract for the LDEQ that included Site Access, Compliance Evaluation Inspections, General and Additional Site Assessment, and General UST System Assessments.

- Project Manager for a remediation project performed for Lockheed Martin in New Orleans, Louisiana. Successful project completion included greater than 99% removal of chlorinated hydrocarbon mass from soils. Activities included concrete removal and decontamination, water collection and treatment, soil excavation and treatment with calcium oxide, vapor collection and treatment, and backfilling.

- Project Manager for monitoring, sampling, and reporting activities associated with underground storage tank clients within Louisiana. Responsible for interaction and project coordination with client, regulatory agency, subcontractors, and SEMS personnel. Activities were performed at more than 50 locations.

- Assisted in the design, construction, and operation of on-site soil treatment using landfarms for the Lafayette Airport and England Air Force Base. Both projects were successfully completed using a synthetic liner, air moving system, water collection system, and tilling.

- Project Manager for a remediation project at a former chemical blending facility in Baton Rouge, Louisiana. Remediation tasks included mobilization/demobilization, water collection and treatment, solidification, transportation, and disposal of hazardous and non-hazardous sediment, inspection and sampling of 34 tanks, segregation, overpacking (as necessary), and relocation of drums.

- Project Manager for water collection and treatment at the Old Inger Superfund Site in Darrow, Louisiana. The project was completed over a two-year period and included the collection and treatment of more than 16 million gallons of water. Treatment was performed using sand filtration, PM-100 absorbent and activated carbon.

- Project Manager for annual sampling and reporting project at an industrial facility near Gonzales, Louisiana. The project included semi-annual sampling and analysis of 20 monitoring wells, periodic soil sampling of a land treatment unit, semi-annual sampling of a landfarm (soil, leachate, and waste), preparation of semi-annual statistical analyses, and reporting. The project was awarded in 1996 and a second five-year contract was awarded in 2001.

- Project Manager for two-groundwater remediation projects at an industrial facility near Gonzales, Louisiana. The two projects are utilizing pump and treat technology.

- Assisted in the development of comprehensive Emergency Response Plans for one national client and two Louisiana clients.

- Receive emergency/spill response calls, coordinate spill response contractors and report to client, state police, and environmental regulatory agencies.

- Preparation of Risk Evaluation/Corrective Action Program (RECAP) Evaluations for several sites within Louisiana. These evaluations have included straight forward evaluations for typical underground storage tank sites as well as more difficult, Management Option 1 and Management Option 2 evaluations with enclosed structures.

- Preparation of several permit applications for multiples clients, which have included NPDES/LPDES Permit Applications for the discharge of wastewater, small source air exemption applications for the discharge of off-gases, and various construction type permit applications with state and local agencies.

- Remediation of soil and groundwater impacted by volatile and semi-volatile constituents. Directed or performed the following tasks: Corrective Action Plans including the design of several remedial systems, permitting, field installation, operation and maintenance, and reporting. Types of remedial technologies used include dual phase high vacuum extraction, product only and dual phase pumping (pneumatic, electric, submersible, and surface mounted), carbon absorption, PM-100 absorption, air stripping, bioremediation, soil vapor extraction, jet pump systems, vacuum sparging, excavation for disposal, and excavation for thermal treatment.

- Site remediation project in New Orleans, Louisiana, which included disposal/recycling of materials (cylinders, tires, soil, wastes, etc.), soil excavation, and site grading.

- Project Manager for a project performed for the Louisiana Department of Environmental Quality/Inactive and Abandoned Sites Division. Project tasks included hazard categorization of over 350 drums, inventory of hazardous and non-hazardous wastes, and preparation of a report.

- Coordinating the disposal/recycling of hazardous and non-hazardous materials/wastes at facilities in Louisiana and Mississippi.

1992 - 1993 Project Manager, IT Corporation, Groundwater Field Services Group, Port Allen, Louisiana.

Responsible for management and cost control for multiple underground storage tank projects. Mr. Lee conducted several Phase I and Phase II Site Assessments, developed several Corrective Action Plans, and was responsible for operation and maintenance of several remediation projects.

1989 - 1992 Project Engineer, IT Corporation, Environmental Engineering Services Group, Baton Rouge, Louisiana.

Primary responsibility during this two-year period was construction oversight activities at the Old Inger Superfund Site.

- Responsible for construction oversight during Phase IV-A Construction/Remediation activities at the Old Inger Superfund Site. Duties included documentation, inspections, field-testing and verification of various remediation and construction activities, which included relocation of wastes, water treatment, and construction of a land treatment unit for future bioremediation. Named Project Manager in May 1991.

- Project Manager for water collection, treatment, and sampling activities at the Old Inger Superfund Site following the completion of Phase IV-A Construction/Remediation activities.

- Provided construction oversight for the closure of numerous landfills and surface impoundments in Louisiana and Arkansas.

- Participated in the work plan and field implementation of sampling a large lagoon/pond at a plant in Baton Rouge, Louisiana.

1988 - Field Engineer, Dowell Schlumberger, Berwick, Louisiana.
1989 Responsible for the cementing and stimulation of oil and gas wells.

Richard Johnson

Professional Qualifications

Mr. Johnson has over 25 years experience in industrial and environmental services. He had been responsible for project management and development for both governmental and industrial clients. He has successfully managed projects that involved, Underground Storage Tank (UST) removal, pond closures, dredging, mechanical dewatering, abatement disciplines, remediation, waste characterization, transportation and disposal.

Education

B.S., Business Administration – University of Louisiana at Lafayette

Registration/Certification

- 40 Hour OSHA Health & Safety Training 1988
- 8 Hour Annual OSHA Health & Safety Refresher
- Hazardous Waste Supervisor
- 8 Hour OSHA Health & Safety Supervisor
- Risk Management & Evaluation

Experience and Background

July 2004-Director of Remediation and Sales, SEMS, Inc., Baton Rouge, Louisiana
Present Mr. Johnson is responsible for operations and management of all projects involving environmental remediation, waste management, related operations, and maintenance projects. Mr. Johnson is also responsible for all aspects for SEMS marketing and sales in the 15 state area which SEMS serves.

2003 - 2004 Field Services Account Manager, Clean Harbors Environmental Services, Baton Rouge, LA. Mr. Johnson was responsible for day-to-day account management for industrial and governmental clients in Louisiana and East Texas. Services provided included waste transportation and disposal as well as a wide variety of industrial services such as dredging, dewatering, site remediation, vacuum trucks, hydroblasting, and emergency response.

1999 – 2003 Project Management and Sales, LEFCO Environmental Technology, Montgomery, Texas Responsible for project development and ongoing management of projects throughout the continental United States. Projects consisted of dredging dewatering, water treatment, site remediation, transportation and disposal.

1992 - 1999 Sales Manager, Del Tanks and Filtration Systems, Scott, Louisiana Mr. Johnson's responsibilities included all marketing and sales aspects related to material processing equipment. Duties included web page design, management of sales force, as well as nationwide sales to customers throughout the United States. Products offered included dredges, filter presses, pumps, conveyors, mixing tanks, pug mills, silos, and screening systems.

1990 - Project Manager, IT Corporation, Port Allen, Louisiana
1992 Mr. Johnson was responsible for successful project management for governmental and private clients. Duties included staffing, budgets, waste profiling, work plans, and client coordination. Typical projects included UST removal, thermal treatment, emergency response, tank cleaning, vacuum services, site remediation and sludge stabilization.

1988 - Project Manager, CECOS International Dewatering Division, Lafayette, Louisiana
1991 Mr. Johnson's duties included proposal development, project management, waste profiling, management of equipment maintenance, reporting, budget development and implementation. The dewatering group consisted of approximately 20 employees from various areas of the United States.

1984 - President Sewer Systems Service, Inc, Shreveport, Louisiana
1988 Mr. Johnson was operator of regional sewer service company providing services to municipal and industrial clients. Services included sewer cleaning, manhole restoration, slip-lining, digester cleaning, and pond remediation.

1976 - Louisiana Regional Manager Naylor Industrial Services, Baton Rouge, Louisiana
1984 Mr. Johnson was responsible for day-to-day operation of industrial service provider offering services such as hydro blasting, vacuum trucks, dredges, sewer cleaning, vessel cleaning, and pipe inspection. Duties included staffing, equipment selection, purchasing and maintenance.

Brian E. Smith, P.E.

Professional Qualifications

Mr. Smith is responsible for the investigation of potentially contaminated sites for a number of our clients. His duties have included the scheduling of subcontractors, supervision of subcontractors, and preparation of reports. He has experience in risk assessment including Louisiana's RECAP and Texas' TRRP laws, statistical analysis, civil design and groundwater modeling. Mr. Smith serves as Corporate Health and Safety Officer and Corporate Technical Advisor.

Education

Masters' of Science in Agricultural and Biological Engineering, Mississippi State University, 1991
Bachelor of Science in Agricultural Engineering, Mississippi State University, 1989

Registration/Certification

- Professional Engineer in Civil Engineering, State of Louisiana, 1998.
- Registration No. 27674.

Experience and Background

2001- Pres. ***Manger of Engineering Services, SEMS, Inc., Baton Rouge, Louisiana.*** Mr. Smith is responsible for project activities, budgeting, service to clients, and insuring quality and integrity on all SEMS engineering related projects.

- Project Manager for environmental management project for petroleum related industry. Project Coordinator and/or Project Manager for all phases for RCRA Facility Investigation (RFI); manager for groundwater sampling, analysis, and reporting of 130 groundwater monitoring wells; manager for risk analysis for soil, groundwater, and air; coordinator for solid waste management unit (SWMU) closure; manager for groundwater recovery and treatment, manager for evaluation of emerging technologies for groundwater treatment; assisted corporation in reduction of financial assurance; written Health and Safety plans, work plans, risk analysis reports, statistical analysis reports, groundwater reports, and air discharge and quality reports; performed tank inspections; and management of disposal for non-hazardous and hazardous wastes.

- Project Manager for environmental management project for petroleum pipeline company with over twenty sites. Manager for all sampling, analysis, and reporting activities related to stormwater, sanitary, process, and maintenance water discharges. Provide assistance in disposal of wastes, provided Spill Prevention Control and Countermeasure (SPCC) plans, performed risk based site assessments and evaluations, assisted in the reduction of facility outfalls, and provided emergency response support.

- Project Manager for chemical transportation facility site assessment and corrective action. Managed soil and groundwater investigation, risk evaluation, corrective action evaluation, and corrective action implementation. Corrective action included the introduction of oxygen reducing compound (ORC) into groundwater to assist natural attenuation of groundwater and soil impact at the site.

- Project Manager for environmental management project at a fuel additive manufacturing facility. Served as project manager for groundwater and soil sampling activities during RFI; served as technical consultant for risk evaluation of constituents at the site, manager for all groundwater sampling, analysis, and reporting, assisted in Permit applications and engineering evaluations, manager for groundwater recovery and treatment activities at site.

1995-2001 ***Project Manager, SEMS, Inc., Baton Rouge, Louisiana.***
Mr. Smith served as project coordinator. His activities included, but were not limited to, preparation of work plans, cost estimates, field activities, and report preparation.

- Design and installation of groundwater treatment systems at several sites.

- Project Manager for groundwater sampling activities for several petroleum related industries located in the Southeast. Duties include sampling, report preparation, statistical analysis of data, and data reduction.

- Project manager for pond closure adjacent to a hazardous waste landfill. Project included design of the barrier wall between the landfill and the closed pond.

- Project engineer for slope verification /design project that included five hazardous waste landfills and one solid waste landfill in Texas.

- Involved in several risk assessments and risk based closures for sites in Louisiana, Illinois, Arkansas, Alabama, Tennessee, and Texas.

- Project manager for Post Closure and RFI Sampling, design, reporting, and development of work plans for subsurface investigation and corrective action.

- Written over one hundred Spill Prevention, Control, and Countermeasure Plans (SPCCs) for several clients in seven different southeastern states.

- Installation of soil borings and monitoring wells at sites throughout the southeast.

- Preparation of several site assessment reports and corrective action plans.

- Project Manager for groundwater modeling activities for several petroleum related petroleum industries in the southeast.

- Project Coordinator for design package for the removal of a ship wreckage. Duties included calculating pumping capacities, well installations, sheet pilings, and excavation designs.

1991-1994 ***Graduate Research Assistant, Auburn University, Auburn, Alabama.***
Mr. Smith worked in conjunction with USDA-ARS National Soil Dynamics Laboratory. He led research in the areas of control, simulation and implementation of tillage systems. Worked with research team with emphasis in data acquisition, control, design, and testing with soil-tillage tool and soil-tire interaction systems.

1990-1991 ***Graduate Research Teaching Assistant, Mississippi State University and Mississippi Agricultural and Forestry Experiment Station, Mississippi.***
Led research of soil-tire interface pressure measurements of forest harvesting equipment. Performed duties as laboratory instructor.

Presentations and Publications

- Smith, B.E., R.L. Schafer, and R.L. Raper. 1993. Knowledge based approach for determining soil bin preparation procedure. ASAE paper number 933042. Presented at the 1993 International ASAE Summer Meeting in Spokane, Washington.

- Smith, B.E., M.R. Dubois and J.W. Pote. 1992. Determining pine chip characteristics using optical scanning. ASAE paper number 927515. Presented at the 1992 International Winter ASAE Meeting in Nashville, Tennessee.

- Smith, B.E., 1991. Measurements of soil-tire interface pressure. Master's of Science in Agricultural and Biological Engineering Thesis. Department of Agricultural and Biological Engineering, Mississippi State University, Mississippi State, Mississippi.

- Smith, B.E., J.L. Koger and M.R. Dubois. 1991. Results of the Mid-South Equipment Show skidder competition. American Pulpwood Association Bulletin.

- Smith, B.E., R.K. Matthes and W.F. Watson. 1990. Measurements of maximum soil-tire interface pressure of a rubber-tired skidder. ASAE paper number 907534. Presented at the 1990 ASAE Winter Meeting in Chicago, Illinois.

- Smith, B.E., and R.K. Matthes. 1990. Measurements of maximum soil-tire interface pressure of a rubber-tired skidder. IN: Managing Forestry Operations in a Changing Environment: 1990 Proceedings of the 13th Annual Meeting of the Council on Forest Engineering. pp. 154-158. Presented at the 13th Annual Meeting of the Council on Forest Engineering in Kill Devil Hills, North Carolina.

Brian H. Sullivan, P. E.

Professional Qualifications

Mr. Sullivan has more than ten (10) years experience implementing multi-disciplinary engineering, civil construction, environmental engineering, and remediation projects. His projects have been in a wide variety of disciplines including hydrology, groundwater/soil remediation, surveying, geotechnical, civil engineering, environmental engineering, construction quality assurance (CQA), and construction project management. Mr. Sullivan has directed work entailing subsurface investigations, groundwater monitoring, groundwater remediation system installation, corrective action plan development, underground storage tank (UST) removal and installation, site investigations, Louisiana RECAP evaluations, hazardous and non-hazardous waste soil removal, and transportation/disposal.

Mr. Sullivan is responsible for the investigation of potentially contaminated sites, remediation of environmental projects, and environmental risk evaluation and risk standard development for a number of our clients. His duties have included the management of field activities, development of sampling and analysis plans, scheduling and supervision of subcontractors, preparation of reports and proposals, cost control, and client interaction.

Education

B. S., Civil Engineering, Louisiana State University, 1995

Registration/Certifications/Training

- Registered Professional CivilEngineer, State of Louisiana, 2000, Registration Number 29090
- Install, Repair and Closure of UST's, State of Louisiana, IRC Number 0629
- Response Manager Certification, 1997, USEPA, emergency Response Rapid Removal Contract, New Orleans, Louisiana
- Troxler Nuclear Density Gauge Certified, 1995
- Registered Professional Civil Engineer, National Council of Examiners for Engineering and Surveying (NCEES), Registration Number 21652
- Transportation and Railcar emergency Response Training, 1998, Emergency Response Training Center, Pueblo, Colorado
- Forty Hour Hazwoper Trained, 1995
- Platoon Leader Development Course (PLDC), United States Army, Fort Hood, Kileen, Texas

Experience and Background

1999 - Pres. ***Project Manager and Project Engineer, SEMS, Inc., Baton Rouge, Louisiana.***
Mr. Sullivan is responsible for project activities including, but not limited to, design and implementation of sampling and analysis plans, work plan development, data evaluation, cost estimates, field activities, and report preparation. Mr. Sullivan's project experience has included the following:

- Preparation of multiple Spill Prevention Control and Countermeasure Plans (SPCCs).
- Temporary closure of 80 UST sites in Mississippi and Louisiana.
- Certifying Engineer for waste rejection and removal activities at WMI Landfills.
- Federal Aviation Administration aboveground storage tank and generator inspections.Preparation of Phase I II, and III site assessments.
- Removal and installation of underground storage tanks.
- Subsurface investigations, including installation of soil borings and monitoring wells at various sites and groundwater monitoring.
- Preparation and implementation of Corrective Action Plans (CAP) for site's contaminated with chlorinated hydrocarbons.
- Installation of soil/groundwater remedial treatment systems for UST sites.
- Preparation of Louisiana RECAP Evaluations for contaminated sites in Louisiana, including Appendix K and Management Option - 2 Submittals.
- Preparation and implementation of Corrective Action Plans for numerous sites contaminated with petroleum hydrocarbons.
- Project Coordinator for soil and groundwater sampling activities for several petroleum related industries located in the southeast. Duties have included sampling, report preparation, statistical analysis of data, and data reduction.
- Preparation of over a dozen (12) Stormwater Pollution Prevention Plan (SWPPP) industrial clients including transportation, vehicle maintenance, machining and industrial equipment repair facilities.
- Preparation of sampling and analysis plans for soil and groundwater investigation and monitoring projects.

1997 - Project/Response Manager, CET Environmental Services, Inc., New Orleans,
1999 - Louisiana.

Mr. Sullivan served as a project manager on commercial and federal remedial projects, emergency oil spill/hazardous material response and as a response manager on federal remedial projects (Regions 6, 9, and 10 under the U.S. EPA ERRS contract). Mr. Sullivan achieved the only perfect 100 score on his Project Evaluation Report from the USEPA; the highest score at CET and the highest score in the history of the contract. His commercial project management duties included completion of project setup and initiation forms, preparation of construction schedules, directing project administrative and field personnel, material and equipment procurement, establishing project budgets,

tracking projects costs, and subcontractor management. Mr. Sullivan was also responsible for bid/proposal estimation and preparation. Mr. Sullivan's project experience has included the following:

- Project Manager for over 30 hazardous material and oil spill emergency responses.
- Project Manager/UST Certified worker for underground storage tank closure projects.
- Project Manager/UST certified installer for underground storage tank installation projects.
- Transportation and disposal coordinator for drummed non-hazardous and hazardous waste, bulk hazardous soil, UST wastes, and oil field wastes.
- Response Manager for large removal projects including pentachlorophenol and lead contaminated soils (USEPA Regions 6 and 10).
- Project Manager for removal and installation of 17 above ground storage tanks at the Naval Air Station in Belle Chasse, Louisiana.
- Response Manager for bridge demolition, temporary creek bypass construction, and new precast concrete slab bridge construction for Iron Mountain Superfund site, Redding California (USEPA Region 9).
- Project Manager for CET Environmental during the NRC cleanup of the 1998 BP Oil 300,000 gallon oil spill near Port Fouchon/Venice, Louisiana.

1994 - Staff Engineer, RUST Environment and Infrastructure, Baton Rouge, Louisiana.
1997 Mr. Sullivan was responsible for the completion of various solid waste engineering design and solid waste CQA construction projects to facilitate the solid waste permitting process for clients. His duties included engineering calculations, drawings, landfill cell CQA, and CQA documentation report writing. Mr. Sullivan's project experience has included the following.

- CQA of over 15 different sites and 150 acres of solid waste landfill cells, landfillcaps and oxidation ponds throughout Louisiana, Mississippi, Arkansas, Oklahoma and Texas. Installation including over 500,000 cubic yards of low permeable recompacted clay liner, over 5 million square feet of geosynthetics (HDPE Geomembrane, Geotextile, Geonet, Geosynthetic Clay Liners - GCL), and subsequent leachate collection systems.
- CQA of landfill gas extraction system installation for Waste Management Inc., in Oklahoma City, Oklahoma.
- Volume and air space calculations preparation.
- Solid waste facility design drawings for several Waste Management, Inc. sites.

- Preparation of Landfill CQA documentation reports for professional certification and submittal to Arkansas, Mississippi, and Louisiana Department of Environmental Quality.

- Preparation of storm water management calculations for various Waste Management, Inc. sites.

- Preparation of Spill Prevention Control Countermeasure Plans (SPCC Plans).

Gregory G. Danielson, Jr.

Professional Qualifications

Mr. Danielson is responsible for the investigation of potentially contaminated sites, remediation of environmental projects, and environmental risk evaluation and risk standard development. His duties include the management of field activities, development of sampling and analysis plans, scheduling and supervision of subcontractors, preparation of reports and proposals, cost control, and client interaction.

Education

B.S., Chemical Engineering, Louisiana Tech University, Ruston, Louisiana

Registration/Certification

- Professional Engineer: Louisiana, Mississippi, and Alabama
- UST Closure Certified: Louisiana

Experience and Background

2004-2009. ***Senior Project Engineer, Delta Environmental Consultants, Inc, Metairie, LA***
Mr. Danielson was a Senior Project Engineer/Project Manager, responsibilities included client and regulatory contact, senior review of reports and specifications, management of project personnel, reviewing invoice, scheduling, budgets, and proposals. Reviewed and approved four SPCC Plans for commercial truck maintenance facilities, and over saw pilot tests and pump tests including data analysis and report preparation.

2003-2004. ***Project Engineer II, Applied Earth Sciences, Inc, Metairie, LA***
Mr. Danielson was a Project Engineer II, responsibilities included client and regulatory contact, senior review of reports and specifications, management of project personnel, reviewing invoice, scheduling, budgets, and proposals.

- Project Manager for the upgrade of groundwater remediation system at a fuel terminal for a major oil company.
- Provided engineering support for remediation of mercury in groundwater at a former landfill.
- Reviewed and approved six SPCC Plans for an offshore drilling mud company.
- Prepared an air permit modification for a major industrial client.

1998 - 2003. ***Project Manager/Engineer, PPM Consultants, Inc., Monroe, LA***
Mr. Danielson was a Project Manager/Engineer, responsibilities included client and regulatory contact, senior review of reports and specifications, management of project personnel, reviewing invoice, scheduling, budgets, and proposals.

- Designed or assisted in designing more than 30 soil and groundwater remediation systems and/or processes utilizing various technologies such as soil vapor extraction,

- duel-phase vacuum extraction, air sparging, pump and treat, excavation, *in situ* chemical oxidation, and thermal desorption.
- Developed risk-based remediation standards for sites with petroleum impacted soils and groundwater.
- Conducted soil and groundwater remediation pilot tests including data analysis and report preparation.

1998 - Field Engineer, Onsite Environmental, Monroe, LA

Mr. Danielson was a contract employee for PPM Consultants, Inc. Responsibilities included groundwater remediation system operation and maintenance and system optimization. Coordinating field activities, conducting soil and groundwater pilot tests, and product recovery tests.

Professional Affiliations

Louisiana Engineering Society
National Society of Professional Engineers
American Institute of Chemical Engineers

JESSE A. HOPPES, P. G.

Professional Qualifications

Mr. Hoppes' background includes seven years experience in environmental investigations, environmental sampling programs, and environmental project management. He has worked extensively in project management, project development, site supervision, and health and safety compliance for a variety of environmental consulting and compliance projects. His duties have included, but were not limited to, the management of field activities, scheduling of self-perform work and sub-contractors, project development, approval of waste streams to disposal facilities, transportation of waste, contract negotiations, management and administrative, and client and regulatory interaction.

Education

- B. S. – Geology, GPA 3.4, February 26, 2000
- Louisiana Tech University
- Cum lade. Two-time recipient of Red River Desk & Derrick Club Scholarship

Registration/Certification

- Registered Professional Geologist in the State of Tennessee
- RAM Group ARBCA Risk Assessment Course 2007
- Louisiana Underground Storage Tank Closure Certification, 2006 (current)
- Louisiana Department of Environmental Quality Lead Based Paint Inspector Certification, 2004 (current)
- Vice President of Louisiana Tech Geological Society; Fall 1997 – Spring 1999
- 40 Hour Training Program for Hazardous Waste Operations and Emergency Response in Accordance with 29 CFR 1910.120, Louisiana Safety Council, 2003 (current)
- Environmental Professional, Phase I ESA Course, PSI, 2004
- Louisiana Real Estate Sales Associate licensed REALTOR®
- Office-oriented software: Microsoft Word, Excel, PowerPoint

Experience and Background

2007 Senior Geologist, SEMS, Inc. Baton Rouge, Louisiana.
Pres. Job Duties: Environmental investigations and environmental sampling programs.

2004 Project Geologist, Delta Environmental Consultants, Inc. (Delta), Metairie, Louisiana.
2007 Job Duties: Manage multiple retail gasoline stations and terminal subsurface hydrocarbon releases in Louisiana, Mississippi, and Alabama for a major petroleum client. Communicate with state environmental agencies on behalf of client in order to bring environmentally impacted sites to "No Further Action" status. Continue to establish further familiarity with state and federal environmental regulations in three states relating to subsurface releases. Coordinate and execute environmental drilling,

sampling, site safety, and perform general project management for multiple sites including budget reviews, proposals, invoice approval, and general project oversight. Perform fieldwork and report writing for minimum site assessments, site investigations, and risk based evaluations. Special projects have included managing a multi-state sensitive receptor/ risk survey including staff oversight. Work to assist client in satisfying various needs in relation to environmental concerns.

2003 Environmental Professional, Professional Services Industries (PSI), Metairie,
2004 Louisiana

Job Duties: Performed Phase I Environmental Site Assessments (ESAs); fieldwork on Phase II ESAs and RECAP projects; Lead-Based Paint Inspections; environmental excavation oversight; various environmental tasks focused on commercial properties. Completed over 20 Phase I ESAs as an Environmental Professional on small and large, rural and urban properties throughout Louisiana and Mississippi. Environmental Technician work such as environmental drilling and sampling on excavations, UST removals, Phase II ESAs, and site investigations. Conducted several Lead-Based Paint Inspections on residential and commercial properties.

2002 GIS Technician, NTS-XXCALL / Cook Hurlbert Inc., Austin, Texas
2002 Job Duties: Practiced aspects of sidewall and conventional core analysis business. Assisted petroleum industry clients to characterize their reservoir content and extent. Worked complete projects including analysis, report completion, client interaction, and billing. Operated various analytical equipment for core analysis. Trained new hires on laboratory equipment. Performed as sole representative for one-month assignment in Tanggu, China, to provide core analysis on a large multi-well prospect.

Jason S. Sills, E.I.T.

Professional Qualifications

Mr. Sills is responsible for the investigation and remediation of potentially contaminated sites for a number of our clients. His duties have included the installation of soil borings and monitoring wells, soil and groundwater sampling, statistical analysis of data, data interpretation, data reduction, risk evaluation, corrective action design, corrective action implementation, scheduling of subcontractors, supervision of subcontractors, and preparation of reports including Phase I and Phase II assessments.

Education

Bachelor of Science in Environmental Engineering, Louisiana State University, 2000

Registration/Certification

E.I.T. Registration No. T-20568
Louisiana UST Worker Certification No. C-0699

Experience and Background

2000-Pres. ***Project Manager, SEMS, Inc., Baton Rouge, Louisiana.***
Mr. Sills is responsible for project activities including, but not limited to, preparation of work plans, cost estimates, field activities, and report preparation.

- Project Manager for multiple petroleum retail sites with underground storage tanks (USTs) in Alabama managed under the Alabama Department of Environmental Management Trust Fund Program. Duties include soil and groundwater sampling, statistical analysis of data, data interpretation, data reduction, report preparation, risk evaluation, corrective action design, and corrective action implantation.

- Project Manager for multiple petroleum retail sites with underground storage tanks (USTs) in Georgia managed under the Georgia Department of Natural Resources Trust Fund Program. Duties include soil and groundwater sampling, statistical analysis of data, data interpretation, data reduction, report preparation, corrective action design, and corrective action implantation.

- Project Manager for multiple petroleum retail sites with underground storage tanks (USTs) in Louisiana managed under the Louisiana Department of Environmental Quality Trust Fund Program. Duties include soil and groundwater sampling, statistical analysis of data, data interpretation, data reduction, report preparation, risk evaluation, corrective action design, and corrective action implantation.

- Performed over 60 UST CEIs for the LDEQ.

- Preparation of site assessments including Phase I, Phase II, risk evaluation including Louisiana's RECAP, site characterization, and corrective action plans for multiple clients.

- Preparation of site assessment work plans that include Sampling and Analysis Plans, Health and Safety Plans, and Quality Assurance Plans.

- Project Manager for groundwater sampling activities for several petroleum related industries located in the Southeast. Duties include sampling, report preparation, statistical analysis of data, and data reduction.

- Project Manager for the implementation of soil and groundwater remediation activities at facilities in Arkansas, Alabama, Georgia, Texas, Tennessee, and Louisiana. Duties include installation of dual phase extraction systems, in-situ chemical oxidation, and soil excavation.

- Project Manager for UST closure activities at facilities located in Arkansas and Louisiana.

- Project Manager for groundwater and soil corrective action design and implementation for multiple clients in the southeast.

- Installation of more than 150 soil borings and monitoring wells at various facilities.

1998 - Undergraduate Assistant, Construction Management Department, Louisiana State
2000 – University, Baton Rouge, Louisiana.

Responsible for two student labs, with a total of 50 computers. Assisted in various research projects conducted in the water quality lab.

1995 - Engineering Aid, U.S. Army Corps of Engineer, Vicksburg, Mississippi.
1998 – Assisted in lock and dam and foundation inspections. Assisted in Dike and Revetment design. Responsible for drafting projects in Microstations and report preparation.

Stephen J. Murphy, P.G.

Professional Qualifications

Mr. Murphy has 12 years of multi-disciplinary experience with environmental and hydro geological projects. His experience includes Underground Storage Tank (UST) investigations and removal management, preparation of various state and federal environmental permit documents (RCRA Facility Investigations, RCRA Part II Permitting, Solid/Hazardous Waste Permitting), and environmental site assessments/remediation regarding soil and groundwater contamination. He has extensive field experience regarding well logging, monitoring well construction and installation, soil and groundwater sampling and analysis, and use of various field screening/sampling equipment.

Education

B.S., Geology, University of New Orleans, New Orleans, Louisiana; 1979
40-Hour Health and Safety Training; OSHA (29 CFR 1910.120)

Experience and Background

1996-Pres. ***Branch Manager/Senior Geologist, SEMS, Inc., Memphis, Tennessee.***
Mr. Murphy's responsibilities are consistent with his previous position with SEMS, Inc. in Murfreesboro, Tennessee.

1994-1996 ***Senior Geologist/Project Manager, SEMS, Inc., Murfreesboro, Tennessee.***
Mr. Murphy was responsible for the management of multiple projects under various phases of assessment/remediation. His responsibilities included

- Phase I and II environmental assessments (ESAs).
- Developing workplans to assess the nature and extent of soil/groundwater contamination, supervising field technicians/geologists and managing project budgets.
- Performing field assessment activities consisting of monitoring well installations, soil and groundwater sampling, free product recovery, and remedial system installations and operation and maintenance.
- Managing and assisting in the preparation and review of regulatory reports ranging from assessment reports to corrective action plans.

1992 - 1994 ***Project Geologist, ATEC Associates, In., Nashville, Tennessee.***
Mr. Murphy was responsible for the management of multiple UST projects under various phases of assessment/remediation. His responsibilities were consistent with his present position at SEMS, Inc.

1991 - Project Geologist, URS Consultants, Inc., Metairie, Louisiana.

1990 Mr. Murphy was responsible for managing and assisting in the preparation of various regulatory permit documents involving RCRA Facility Investigations (RFI), RCRA Part II permitting, and Louisiana solid and hazardous waste permitting. His responsibilities included:

- Project manager of an RFI at a major chemical manufacturing facility in Taft, Louisiana. The RFI involved a review of historical plant data and the development of workplan documents regarding the assessment of twenty (20) solid waste management units (SWMUs).

- Project geologist involved in the preparation of a RCRA Part II permit application associated with a hazardous waste incinerator, landfill, and storage facilities at the chemical manufacturing facility in Taft, Louisiana.

- Project geologist involved in the preparation of solid/hazardous waste permit documents associated with landfills and surface impoundments.

- Project geologist involved in performing regulatory audits for various industrial facilities.

1989 - Project Geologist, Groundwater Technology, Inc., Mandeville, Louisiana.

1991 Mr. Murphy was responsible for the assessment of projects under various phases of investigation/remediation. His responsibilities included:

- Performing field assessment activities consisting of monitoring well installations, soil and groundwater sampling, and free product recovery.

- Preparing UST regulatory reports.

- Project geologist on an industrial projects team involved in preparing and RFI at a major chemical manufacturing facility in Lake Charles, Louisiana. The RFI involved a review of historical plant data and the development of workplan documents regarding the assessment of fifteen (15) solid waste management units (SWMUs).

1984 - Geologist/Field Technician, Steimle and Assoc., Inc., Metairie, Louisiana.

1989 Mr. Murphy was responsible for assisting in various projects regarding potential soil and water impacts. His responsibilities included:

- Surface water quality monitoring associated with oil spills and dredge and fill activities in south Louisiana.

- Analyzing shallow sediment core samples and grain size analyses to determine sediment characteristics and potential siltation associated with dredge and fill activities.

- Preparing various environmental impact documents associated with wetland developments, solid waste landfills, and surface impoundments.

Roger Paulson, P.G.

Professional Qualifications

Mr. Paulson is responsible for the assessment and remediation of environmental projects. His duties have included personnel management, project coordination, underground storage tanks, hydrocarbon recovery, remedial investigation, remedial system design and installation, RCBA studies, hydrogeologic testing, groundwater modeling, borehole geophysics, soil vapor extraction testing, air sparge testing, and off-gas treatment design.

Education

1991, Karst Geology Short Course, NGWA
1989, M.S. Candidate, Hydrogeology, University of Kentucky
1989, Summer Hydrogeology Graduate Field Course, Montana Tech
1982, B.S. Geology, University of Wisconsin, Platteville, WI

Registration/Certification

Tennessee Registered Professional Geologist #3996
Arkansas Registered Professional Geologist #1824

Experience and Background

Conducted Risked Based Correction Action studies in the state of Alabama at five retail petroleum facilities.

Generated 18 corrective action plans and 12 addendum to corrective action plans for retail and up-stream petroleum facilities. Designed and supervised installation of product, total fluids, and groundwater recovery systems utilizing product skimming, pneumatic, electric, and liquid ring technologies.

Performed a soil gas survey to delineate fugitive vapors beneath a 200,000 ft^2 warehouse facility. Designed and oversaw installation of a 500 cfm soil vacuum extraction system utilizing a thermal air treatment unit to recover and destroy fugitive vapors.

Performed a hydrogeologic study at a major oil terminal. Delineated six co-mingling liquid phase product plumes with gravities ranging from 60 to 20 API units. Constructed flow nets to evaluate horizontal and vertical flow between three separate saturated units. Supervised geophysical well logging and evaluated gamma ray, neutron, and density geophysical logs. Delineated buried tank bottoms and acid pits. Maintained a liquid phase hydrocarbon recovery system, which recovered some 13,000 gallons of product from the subsurface.

Designed and supervised the construction of a mobile pneumatic product recovery trailer capable of operating for 5 days on compressed nitrogen cylinders.
Supervised the operation of an on-site soil burning unit at a major oil retail facility. Approximately 3,000 tons of hydrocarbon affected soils were treated and used as clean backfill for the construction of a strip mall adjacent to the site.

Performed field activities at a tanker truck spill where 8,000 gallons of gasoline was released. Approximately 5,500 gallons of gasoline were recovered in 21 days utilizing a 1,500 cfm rotary lobe blower extracting from over 20 soil vapor extraction wells.

Performed hydrocarbon biodegradation groundwater modeling using BIOPLUME II at four major oil retail facilities to evaluate the potential use of natural attenuation as a viable remedial alternative.

Performed aquifer characterization testing using slug tests, specific yield tests, and constant rate pumping tests. Reduced collected field data and calculated hydraulic conductivity, transmissivity, specific yield, storativity, and specific yield parameters.

Conducted over 15 soil vacuum extraction pilot tests. Reduced collected field data and calculated air permeability, vapor phase contaminant recovery rates, and effective radius of remediation.

Supervised the installation of over 200 groundwater monitoring and recovery wells.

Ovide DeSoto, Jr.

Professional Qualifications

Mr. DeSoto is responsible for the investigation, sampling, maintenance, and emergency response of potentially contaminated sites for a number of our clients. His duties have included the scheduling of subcontractors, supervision of subcontractors, implementation of sampling events, and maintenance issue coordination for several sites.

Education

False River Academy: 1977 High School Grad College Prep
Louisiana Tech University: Major – Mechanical Engineering 1979 (8 Hours)
Nashville Auto Diesel College: Auto/Truck Engine & Associated Systems/Component Repair - Completion 1979
Louisiana State University: Major: Industrial Tech 1984 (15 Hours)

Registration/Certification

OSHA 40 Hour HAZWOPER Training.
Hazard Categorization

Experience and Background

2006- Pres. ***Senior Project Manager, SEMS, Inc., Baton Rouge, Louisiana.***
As a Senior Project Manager, Mr. Desoto is responsible for the management of environmental remediation, waste management, and construction projects. Mr. Desoto's project activities include, but are not limited to, the management of self-perform and sub-contractor field activities, client interactions, contract management and administration, schedule and budget formation, schedule and budget review and analysis, sub-contractor payment verification and approval, project development, OSHA, EPA and State Regulatory compliance.

1999 2006 ***Project Manager, Clean Harbors Environmental Services, Inc. (Formerly 2003 Safety Kleen, Laidlaw Environmental, and Rollins Environmental Services), Baton Rouge, Louisiana***
As a Project Manager, Mr. DeSoto, performs duties of operations manager, scheduling crews and equipment for environmental remediation and industrial services projects.

- Oversee repair and maintenance of all related equipment.
- Coordinate delivery and set up of mobile dewatering process equipment.
- Participate in pre-job bid walks and assist estimators in gathering information for bidding on projects.
- Responsible for screening and interviewing of job applicants. Manage 15 employees in this division

1998 Project Supervisor, Gulf South System,
1999 ***Baton Rouge, Louisiana***

As a Project Supervisor, Mr. DeSoto Oversaw execution of tank cleaning projects at refineries and chemical plants.

- Ran dewatering and centrifuge projects.
- Participated in pre-bid job walks and assisted estimators in gathering information for job bids.

1995 Project Coordinator, Lo-Vac Environmental Services,
1998 ***Lottie, Louisiana***

As a Project Supervisor, Mr. DeSoto performed job walks, attended pre-bid meetings, cost estimating, development of work plans and project scheduling.

- Supervised execution of work plans with additional time devoted to customer development.

1985 Operations Supervisor II, IT Corporation,
1995 ***Port Allen, Louisiana***

As an Operations Supervisor, Mr. DeSoto was responsible for the supervision of up to 30 personnel and the coordination of environmental remediation projects. He is responsible for the coordination and overseeing that all regulations and precautions were being followed in the cleanup and transportation of hazardous waste. In all instances staying abreast of all new regulations and being certain that all procedures were being carried out to their fullest extent during site and personnel decontamination activities.

- Direct activities involved in volume reduction, demolition and construction.
- Cost estimating, subcontractor and vendor selection and qualification. In this position, it was imperative that I possessed a thorough knowledge of the program and procedures. Duties were also to establish and maintain compliance with all state regulations and federal mandates as they related to the assigned programs or project areas.
- Rose successfully in a major environmental service company that had a record of significant achievement and progressive advancement.
- Highly qualified in personnel supervision, training and proper evaluation procedures.

David Groscost

Professional Qualifications

Mr. Groscost's background includes over twenty-five years experience in Environmental and Civil Construction at commercial and industrial sites. Mr. Groscost has worked directly for two of the largest hazardous waste disposal and transportation companies in the United States. He has worked extensively in project management, project development, site supervision, and health and safety compliance for a variety of construction and remediation projects. His duties have included, but were not limited to, the management of field activities, scheduling of self-perform work and sub-contractors, project development, approval of waste streams to disposal facilities, transportation of waste, contract negotiations, management and administrative, quantity takeoff and estimating cost control, and client and regulatory interaction.

Education

- Montana State University, BS Agronomy, 1980

Registration/Certification

- OSHA 40 Hour HAZWOPER
- OSHA Hazardous Waste Supervisors Trained
- Confined Space Entry Supervisor Trained
- 20 Hour Confined Space Rescue Trained
- Louisiana UST Closure Certification C-0084
- First Aid and CPR
- GSHO

Experience and Background

2003 Pres. ***Senior Project Manager, SEMS, Inc., Baton Rouge, Louisiana.***
As a Senior Project Manager, Mr. Groscost is responsible for the management of environmental remediation, waste management, and construction projects. Mr. Groscost's project activities include, but are not limited to, the management of self-perform and sub-contractor field activities, client interactions, contract management and administration, schedule and budget formation, schedule and budget review and analysis, sub-contractor payment verification and approval, project development, OSHA, EPA and State Regulatory compliance.

1994 2003 ***Project Manager, Clean Harbors Environmental Services, Inc. (Formerly 2003 Safety Kleen, Laidlaw Environmental, and Rollins Environmental Services), Baton Rouge, Louisiana***
As a Project Manager, Mr. Groscost was responsible for project development, project estimating, planning/scheduling, cost control, waste approval, and individual project management functions. Other duties include technical consulting with clients on environmental and industrial construction needs, transportation and disposal of hazardous and non-hazardous waste including the preparation of all waste approval forms, and health and safety aspects of projects. Project management of environmental and construction projects have included the following types of projects, soil/sludge

stabilization, solids separation, decommissioning of PCB contaminated transformers and capacitors, landfill construction, thermal drying, dewatering utilizing plate and frame presses, centrifuges, and belt presses.

1993 – Project Manager, OHM Corporation, Port Allen, Louisiana
1994 As a Project Manager, Mr. Groscost was responsible for the project management and cost control of environmental and waste treatment projects. Duties included project development, project estimating, planning/scheduling, cost control, waste approval, and individual project management functions. Other duties include technical consulting with clients on environmental and industrial construction needs, transportation and disposal of hazardous and non-hazardous waste including the preparation of all waste approval forms, and health and safety aspects of projects.

Projects Include:

- Project Management of civil activities on a $28,000,000 project at Citgo Refinery in Lake Charles, LA. Project involved the construction of two miles of access roads with two bridge crossings, four thousand cubic yards of concrete building foundations and equipment slabs, construction of a prefabricated steel building (65 feet by 400 feet), and placement of all temporary facilities.

- Project Manager of civil activities on a superfund site located in Sorrento, LA. Project included the construction of site access roads, construction of four foundations to place pre-fabricated buildings, closure of ponds, and the pre-loading of the jobsite before construction and placement of concrete building foundations.

1988 Project Manager, Dames & Moore Engineering, Baton Rouge, Louisiana
1993 As a Project Manager, Mr. Groscost was responsible for the project management and cost control of environmental and waste treatment projects. Duties included project development, project estimating, planning/scheduling, cost control, waste approval, and individual project management functions. Other duties include technical consulting with clients on environmental and industrial construction needs, transportation and disposal of hazardous and non-hazardous waste including the preparation of all waste approval forms, and health and safety aspects of projects.

Project types included:

- Underground storage tank removals (hazardous & non-hazardous)

- PCB contaminated soil excavation and removal associated with natural gas compressor stations.

- Pond solidification and encapsulation.

- Bio-remediation of phenol contaminated soils, hydrocarbon contaminated soils, and herbicide contaminated soils.

- Landfill construction and capping projects.
- Dewatering of sludge via solids separation technology (filter presses, centrifuges, and belt-presses).
- Assist Dames & Moore in remedial investigations of miscellaneous abandoned waste sites.
- Civil environmental projects including soil excavations, piping, concrete, and site restorations

1983 District Southern Manager, CECOS International, Livingston, Louisiana
1989 As District Manager Mr. Groscost was responsible for the overall management of field remediation projects, including scheduling, cost control, estimating and managing the Southern office located in Livingston, LA.

Project types included:

- Pond, pit and lagoon closures by solidification, mechanical dewatering or capping with synthetic liners or clay.
- PCB transformer and capacitor decommissioning.
- Asbestos abatement and encapsulation.
- Abandoned drum sites and landfills.
- Contaminated soil excavation, loading, transportation and disposal at approved disposal sites.

1980 Captain Field Artillery, U.S. Army
1983 Field Artillery Officer, Fort Sill, OK (June 1980-1982); finished service obligation National Guard in 1986.

Barry D. Browning

Professional Qualifications

Mr. Browning is responsible for Project Management of regulatory compliance activities regarding our oil/water separator (OWS) and sewer treatment system (STS) programs. His duties have included, but were not limited to, the management of field and office activities, scheduling of self-perform work and sub-contractors, project development, groundwater sampling, emergency response, management and administrative, report preparation, and client and multi-state regulatory agency interaction. His primary duties include management of OWS and STS programs for multiple clients, remedial system operation and maintenance, regulatory water discharge permitting, and report preparation. He also possesses extensive knowledge and experience in electrical and mechanical operations.

Education

- Industrial Technology, Louisiana State University, 1986-1987
- OSHA 40-Hour HAZWOPER Training
- OSHA GRIBRMA Training
- Electrical training courses, Association of Builders and Contractors.
- Veeder-Root Training Level, 3/99

Experience and Background

Mr. Browning is an experienced professional who possesses excellent written and oral communication skills. Self-motivated with ability to work unsupervised, interpret and follow instructions. Consistent attention to details allows him excellent qualifications for providing field documentation and Quality Assurance.

1994 –Project Manager, SEMS, Baton Rouge, Louisiana.

Pres. Mr. Browning is primarily responsible for management of Oil Water Separator and Sewer Treatment Systems Programs performed by SEMS. In addition, he has performed many projects involving remedial system operation, maintenance, and corrective measures.

- Operation and maintenance of remedial systems including pump and treat, high vacuum dual phase extraction, soil vapor extraction, and jet pumps.
- Assisted with several UST CEIs for the LDEQ.
- Oil/water separator and sewer treatment system programs including permitting, operation and maintenance, and preparation of discharge monitoring reports.
- Monitoring well groundwater sampling.
- Semi-annual groundwater monitoring report preparation.
- Emergency response activities for local electric utility supply company.
- Assisted in the closure of underground storage tanks for multiple clients.
- MSGP storm water sampling and reporting
- Assisted multiple clients in compliance inspection preparation.
- Permitting, operation, sampling, reporting, and closure of sewerage treatment ponds.

1990 - Electrician, West Gate, Inc., Port Allen, Louisiana.

1994 Mr. Browning was responsible for troubleshooting and repair of plant process equipment. Much of this work period was spent at Dow Chemical in Plaquemine, Louisiana.

ATTACHMENT B

INSURANCE CERTIFICATE

ACORD CERTIFICATE OF LIABILITY INSURANCE

OP ID DB SEMSI-1

DATE (MM/DD/YYYY) 10/31/08

PRODUCER

McInnis Tyner,Inc (2)
7814 Office Park Blvd, Ste 200
Baton Rouge LA 70809
Phone:225-926-0860 Fax:225-923-3418

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

INSURED

SEMS,Inc
SEMS of Gainesville, Inc
Mark Morgan
11628 S Choctaw
Baton Rouge LA 70817

INSURERS AFFORDING COVERAGE		NAIC #
INSURER A:	Peerless Insurance Company	
INSURER B:	Rockhill Insurance Company	
INSURER C:	LWCC	
INSURER D:		
INSURER E:		

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	ADD'L INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
		GENERAL LIABILITY				EACH OCCURRENCE	$ 1000000
B		X COMMERCIAL GENERAL LIABILITY	RPKGE00074300	10/15/08	10/15/09	DAMAGE TO RENTED PREMISES (Ea occurence)	$ 50000
		CLAIMS MADE X OCCUR				MED EXP (Any one person)	$ 5000
B		X Professional	RPKGE00074300	10/15/08	10/15/09	PERSONAL & ADV INJURY	$ 1000000
B		X Pollution	RPKGE00074300	10/15/08	10/15/09	GENERAL AGGREGATE	$ 2000000
		GEN'L AGGREGATE LIMIT APPLIES PER:				PRODUCTS - COMP/OP AGG	$ 2000000
		X POLICY PRO-JECT LOC					
		AUTOMOBILE LIABILITY					
A		X ANY AUTO	BA8079014	10/15/08	10/15/09	COMBINED SINGLE LIMIT (Ea accident)	$ 1000000
		ALL OWNED AUTOS				BODILY INJURY (Per person)	$
		SCHEDULED AUTOS					
A		X HIRED AUTOS	BA8079014	10/15/08	10/15/09	BODILY INJURY (Per accident)	$
A		X NON-OWNED AUTOS	BA8079014	10/15/08	10/15/09		
						PROPERTY DAMAGE (Per accident)	$
		GARAGE LIABILITY				AUTO ONLY - EA ACCIDENT	$
		ANY AUTO				OTHER THAN AUTO ONLY: EA ACC	$
						AGG	$
		EXCESS/UMBRELLA LIABILITY				EACH OCCURRENCE	$ 4000000
B		X OCCUR CLAIMS MADE	RUME00015000	10/15/08	10/15/09	AGGREGATE	$
							$
		DEDUCTIBLE					$
		X RETENTION $ 10000					$
C		WORKERS COMPENSATION AND EMPLOYERS' LIABILITY	76926B	10/15/08	10/15/09	X WC STATUTORY LIMITS / OTHER	
		ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED?				E.L. EACH ACCIDENT	$ 1000000
		If yes, describe under SPECIAL PROVISIONS below				E.L. DISEASE - EA EMPLOYEE	$ 1000000
						E.L. DISEASE - POLICY LIMIT	$ 1000000
		OTHER					
A		Inland Marine	CBP8079514	10/15/08	10/15/09	Leased	250000
						Owned	352000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS

CERTIFICATE HOLDER

SAMPL-1

SAMPLE

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

Thomas C Jt Jr

© ACORD CORPORATION 1988

ATTACHMENT C

COMPLIANCE PROJECT DESCRIPTIONS

SEMS, INC.
COMPLIANCE PROJECT DESCRIPTIONS

Client Name and Address	Client Contact Person and Telephone Number	Project Title	Dates of Project and Dollar Amount	Description of Project
Brothers Petroleum 1820 Belle Chase Hwy Ste 202 Gretna, LA 70056	Mr. Imad Hamden 504-366-2413	UST System Compliance - Regional	March 2009 - Present	Managing all UST site fuel system environmental regulatory compliance.
Circle K 25 West Cedar Street Suite 100 Pensacola, FL 32502	Ms. Fran Franconi 850-454-1070	Circle K Emergency Response Multi-site Louisiana	December 1994 - Present	Petroleum release emergency response, cleanup, and spill reporting
DEMCO Electrical Cooperative 16262 Wax Road Greenwell Springs, LA 70739	Mr. Ron May 225-261-1221	DEMCO Emergency Response - Louisiana	January 2003 - Present	Transformer pickup, oily waste cleanup/sampling/disposal, site remediation/restoration, and reporting
Flash Market, Inc. P.O. Box 2389 West Memphis, AR 72303	Ms. Paula Stanfield 870-732-2242	Flash Market #152 3262 I-55 Marion, AR	June 2009 – Present	OWS – NPDES permitting, sampling, analysis, reporting, and O&M
Goudeau, Inc. P.O. Box 539 Cottonport, LA 71327	Mr. Philip Heiman 318-876-3377	I-10 Henderson Travel Center 3003 Grand Point Hwy. Breaux Bridge, LA 70517	November 2004 – Present	OWS and STS - NPDES permitting, sampling, analysis, reporting, and O&M
MAPCO Express 7102 Commerce Way Brentwood, TN 37027	Mr. Brian Parnell 615-224-1169	Oil/Water Separator (OWS) and Sewer Treatment System (STS) Program Multi-state	March 2002 - Present	OWS & STS Program Development & Implementation – NPDES permitting, sampling, analysis, reporting, and O&M for 10 facilities located in MS, AR, & TN
MAPCO Express 7102 Commerce Way Brentwood, TN 37027	Mr. Brian Parnell 615-224-1169	Emergency Response – Travel Centers and C-Stores	March 2002 - Present	Petroleum release emergency response, cleanup, and spill reporting for 400+ facilities
Padial Real Estate 8675 Bluebonnet Blvd Baton Rouge, LA 70810	Mr. Martin Padial 225-769-9494	Oak Grove Plaza 17188 Airline Hwy. Prairieville, LA	June 2004 – Present	STS – NPDES permitting, sampling, analysis, reporting, and O&M
Padial Real Estate 8675 Bluebonnet Blvd Baton Rouge, LA 70810	Mr. Martin Padial 225-769-9494	Prairieville Plaza 17316 Airline Hwy. Prairieville, LA	January 2005 – Present	STS – NPDES permitting, sampling, analysis, reporting, and O&M

SEMS, INC.
COMPLIANCE PROJECT DESCRIPTIONS

Client Name and Address	Client Contact Person and Telephone Number	Project Title	Dates of Project and Dollar Amount	Description of Project
Pilot Travel Centers, LLC 5508 Lonas Road Knoxville, TN 37909	Mr. Joey Cupp 865-474-2826	Oil/Water Separator (OWS) Program Multi-state	March 2002 – Present	OWS Program Development & Implementation - NPDES permitting, sampling, analysis, reporting, and O&M for 25 Travel Center locations in LA, TX, MS, TN, OH, IN, AR, MO, AL, OK, & AZ
Reserve Telephone Company Reserve, LA	Glenn Bourg	RTC Reserve, LA	Jan-Feb 2009 $1,500	Responded and resolved LDEQ Compliance issues in regard to USTs at the facility.
Shaw Constructors 36443 Old Perkins Road Prairieville, LA 70769	Mr. Steve Thornton 225-344-4307	Shaw Constructors 36443 Old Perkins Road Prairieville, LA	March 2004 - Present	OWS and STS - NPDES permitting, sampling, analysis, reporting, and O&M
Shaw SS&S Fabricators 7012 Hwy 1South Addis, LA 70710	Mr. Steven Stogner 225-749-3165	Shaw SS&S Fabricators 7012 Hwy 1South Addis, LA	October 2002 – Present	STS – NPDES permitting, sampling, analysis, reporting, and O&M; MSGP/LPDES stormwater sampling, analysis, and reporting
Shell Pipeline Company	Gary Stovall 504-728-8209	NPDES Program Management	1998-present	Program development and implementation of sampling, monitoring, and reporting for permitted wastewater discharges (stormwater, sewer treatment system, and process water)
Waskey Bridges, Inc. 2651 Flannery Road Baton Rouge, LA 70814	Ms. Stephanie Williams 225-926-8752	Stormwater & STS permitting, sampling, reporting Multi-site	2005 - Present	MSGP/LPDES stormwater permitting, sampling, analysis, and reporting
Williams TravelCenters, Inc. Nashville, TN	Mr. Ken Whatley 615-275-1675	Oil/Water Separator (OWS) and Sewer Treatment System (STS) Program Multi-state	April 1996 – February 2002	OWS & STS Program Development & Implementation - NPDES permitting, sampling, analysis, reporting, and O&M for 60+ Travel Centers located in LA, TX, MS, TN, KY, IN, OH, AR, MO, FL, AL, OK, SC, & AZ
Williams TravelCenters, Inc. Nashville, TN	Mr. Ken Whatley 615-275-1675	Emergency Response – Travel Centers and C-Stores	April 1996 – February 2002	Petroleum release emergency response, cleanup, and spill reporting

ATTACHMENT D

ENGINEERING PROJECT DESCRIPTIONS

SEMS, INC.
ENGINEERING PROJECT DESCRIPTIONS

Client Name and Address	Client Contact Person and Telephone Number	Project Title and Location	Dates of Project	Description of Project
A&M Associates 201 Rue Iberville, Suite 210 Lafayette, LA 70508		Federicks Mach Shop New Iberia, LA	Dec 2008	Preparation of SPCC Plan
A.P.E. Committee	Jay Hardman Port of Greater Baton Rouge (225) 342-1660	North Baton Rouge Port Property	2000-current	Site Investigation, LPDES Permit Application, GW remediation (pump and treat), GW monitoring program development and implementation
Afton Chemical 330 S. Fourth Street Richmond, Virginia 23219	John Street (804) 788-6048	Afton Chemical Natchez, MS	2007-2009	Phase I and II Property transfer, Site Investigation, Preparation of Corrective Action Plan, and Remediation Oversight.
Afton Chemical 330 S. Fourth Street Richmond, Virginia 23219	John Street (804) 788-6048	Afton Chemical Port Arthur, Texas	2008	SWMU investigation and closure
Afton Chemical 330 S. Fourth Street Richmond, Virginia 23219	John Street (804) 788-6048	Afton Chemical Port Arthur, Texas	2000	Tank Closure, GW investigation, GW closure
Albemarle Corporation Gulf States Road Baton Rouge, Louisiana 70805		Albemarle PDC Baton Rouge, LA	2001-present	LPDES permit application, LPDES DMR program development
Armstrong-Taylor 11557 Darryl Drive Baton Rouge, LA 70815	Kevin Taylor 225-275-5260	11480 Darryl Drive Baton Rouge, LA	March 2005	Phase I Environmental Assessment
Booher Engineering PO Box 7793 Tyler, Texas 75711	Travis Booher 903-561-3431	Oil Production Facility Satsuma, LA	April 2004	Site Investigation to determine extent of impact from an oil release.
Booher Engineering PO Box 7793 Tyler, Texas 75711	Travis Booher 903-561-3431	Saltwater Storage and Injection Facility Satsuma, LA	Aug 2005	Preparation of SPCC Plan

SEMS, INC.
ENGINEERING PROJECT DESCRIPTIONS

Client Name and Address	Client Contact Person and Telephone Number	Project Title and Location	Dates of Project	Description of Project
Booher Engineering PO Box 7793 Tyler, Texas 75711	Travis Booher 903-561-3431	Oil Well (CZB 1) Satsuma, LA	July 2005	Preparation of SPCC Plan
Booher Engineering PO Box 7793 Tyler, Texas 75711	Travis Booher 903-561-3431	Oil Well (Harris 28-1) Satsuma, LA	July 2005	Preparation of SPCC Plan
Booher Engineering PO Box 7793 Tyler, Texas 75711	Travis Booher 903-561-3431	Oil Well (Dietz 2) Iota, LA	March 2008	Preparation of SPCC Plan
Chris Castleberry P.O. Box 45355 Baton Rouge, LA 70895	Chris Castleberry	11942 Lakeland Park Baton Rouge, LA	Jan 2003	Phase I Environmental Assessment
Custom Ecology, Inc. 1198 Florida Blvd Walker, LA 70785	Kevin Juneau 225-667-1707	Transportation Spill 19470 Hwy 16 Denham Springs, LA	Dec 2007	Soil sampling and reporting to the LDEQ
Custom Ecology, Inc. 1198 Florida Blvd Walker, LA 70785	Dirk Lockhart 225-667-1707	Transportation Spill 3724 Hwy 27 South Sulphur, LA	Dec 2006	Phase I Environmental Assessment
DIVIN LLC 4304 South River Road Port Allen, LA 70767	Tonya Amburgy 22-806-2040	7120 LA Hwy 1 South Addis, LA	Feb 2007	Phase I Environmental Assessment
Ethyl Corporation 100 N. South Street Pasadena, Texas	Steve Livesay (713) 740-8371	EDC Groundwater Study Baton Rouge, LA	Feb – May 1997	Pilot Test conducted to determine the effect of a continuous flow immobilized bed bioreactor system for the degradation of volatile organic compounds
Ethyl Corporation 100 N. South Street Pasadena, Texas	Steve Livesay (713) 740-8371	Marley Inlet Basin Closure Baton Rouge, LA	$8,000	Prepared closure plan for the Marley Inlet Basin which operated as part of the plant wide wastewater treatment system.

SEMS, INC.
ENGINEERING PROJECT DESCRIPTIONS

Client Name and Address	Client Contact Person and Telephone Number	Project Title and Location	Dates of Project	Description of Project
Ethyl Corporation 100 N. South Street Pasadena, Texas	Steve Livesay (713) 740-8371	Groundwater Model Baton Rouge, LA	Feb – Aug 1998	Preparation of prototype models of five separate water bearing units utilizing 15 years of historical data. Preparation of mathematical groundwater flow and transport model for 400 and 600 Foot Aquifers.
Ethyl Corporation 100 N. South Street Pasadena, Texas	Steve Livesay (713) 740-8371	RFI Baton Rouge, LA	1995-2007	RFI Workplan, full SWMU and AOC investigations and implementation of RFI
Ethyl Corporation 100 N. South Street Pasadena, Texas	Steve Livesay (713) 740-8371	CAS Program Baton Rouge, LA	2008	CAS Program development and implementation. Conceptual Site Model, CAS workplan, Recovery system evaluation
Ethyl Corporation 100 N. South Street Pasadena, Texas	Steve Livesay (713) 740-8371	Hazardous Waster Permit Application Baton Rouge, LA	2006-2007	Full Part Hazardous Waste Post Closure Permit Application Renewal
Ethyl Corporation 100 N. South Street Pasadena, Texas	Steve Livesay (713) 740-8371	Site O&M Baton Rouge, LA	2001-present	O&M of all site operations
Ethyl Corporation 100 N. South Street Pasadena, Texas	Steve Livesay (713) 740-8371	RFI (APAR) Implementation Houston, TX	199-2001	Implementation of RFI (APAR) workplan. GW and soil investigations, data quality analysis
Ethyl Corporation 100 N. South Street Pasadena, Texas	Steve Livesay (713) 740-8371	Groundwater Monitoring Program Houston, TX	1998-present	Groundwater monitoring program development and implementation for site.
Ethyl Corporation 100 N. South Street Pasadena, Texas	Steve Livesay (713) 740-8371	Part B Application Houston, TX	1998, 2008-2009	Assisted in Part B application (1998), managed and developed full Part A and Part B application renewal (2008 and 2009). Groundwater programs and landfill calculations

SEMS, INC.
ENGINEERING PROJECT DESCRIPTIONS

Client Name and Address	Client Contact Person and Telephone Number	Project Title and Location	Dates of Project	Description of Project
Facility Planning and Control 1201 North 3rd Street Baton Rouge, Louisiana	Mr. Mark Bell, Architect 225-485-3489	Boiler House Generator Room Engineering Design Services	2005-2006	Provided engineering design services for the Southeast Louisiana Hospital (SELH) boiler room remediation of contaminated soil, UST and AST removal, and the new fuel supply system design. Prepared a complete set of bid documents and design drawings for bidding purposes. Provided resident engineer inspection services during all aspects of construction.
Federal Express Corporate - Environmental 3620 Hacks Cross Road, Building B Memphis, Tennessee 38125	Ms. Lydia McDavid	Storm Water Pollution Prevention (SWPP) plan site visits and plan preparation	2000	Visited approximately 12 FEDEX locations in Michigan, Wisconsin, Nebraska, Indiana, and Florida to perform site inspections and subsequently prepare SWPP plans. Facility operations included vehicle maintenance, vehicle washes, and shipping/receiving.
Ideal Chemical 4025 Air Park Street Memphis, TN 38181	Dale Ozier 901-375-5543	Ideal Chem & Supply New Orleans, LA	May 2000 - Present	Conducted Site Investigation, Preparation of RECAP Evaluation, and monitored natural attenuation with assisted GW oxidation.
James Dendy 715 St. Ferdinand St Baton Rouge, LA 70802	James Dendy	12648 S. Choctaw Dr Baton Rouge, LA	Sept 2003	Phase I Environmental Assessment
J.M. Waller Associates 8610 N. New Braunfels Suite 606 San Antonio, TX 78217	Lynn Crane 210-268-2532	SPCC Plans New Orleans (MSY) Airport	2007	Prepare two separate SPCC plans for two emergency generator sites located at the New Orleans Louis Armstrong international Airport. MSY-ATCT and MSY-ASR9
LA Housing Finance Authority 2415 Quail Drive Baton Rouge, LA 70808	Curtis Ferrara	LHFA Home Program Louisiana Statewide	1997 - Present	Provided cost analysis consulting services for design/build or rehabilitation projects throughout Louisiana for 121 locations.
Louisiana Department of Environmental Quality 602 North 5th Street Baton Rouge, Louisiana 70802	Brenda Myers Office of State Purchasing ph.: (225) 342-8022	Transformer Sampling New Orleans Adolescent Hospital 210 State Street Drive New Orleans, LA	May-June 2008	Coordinated and oversaw the sampling of oil from 10 live transformers at a hospital.

SEMS, INC.
ENGINEERING PROJECT DESCRIPTIONS

Client Name and Address	Client Contact Person and Telephone Number	Project Title and Location	Dates of Project	Description of Project
Louisiana Department of Environmental Quality Central Receiving 602 North 5th Street Baton Rouge, Louisiana 70802	Fernando Ituralde 225-219-3391 Helen Hebert 225-219-3813	Delatte Metals Superfund Site-Operation and Management Ponchatoula, LA	2007-Present	Three year contract to provide groundwater sampling, monitoring, reporting, and site maintenance for an LDEQ/EPA superfund site. The site is a former battery recycling facility contaminated with elevated pH and metals.
MAPCO Petroleum 7102 Commerce Way Brentwood, TN 37027	Brian Parnell 615-771-6701	SPCC Plans Southeast US	1998	Preparation of 75 SPCC Plans
Magellan Midstream Partners P.O. Box 22186, MD27-3 Tulsa, Oklahoma 74121-2186	Mr. Paul Potts 918-574-7725	Limited Investigation Marrero Facility Aboveground Storage Tank No. 780	February 2007	Limited soil investigation/sampling activities beneath an existing bulk oil tank, Tank No.780.
MEMC Pasadena Inc. 300 N. South Street Pasadena, Texas	(713) 740-1420	MEMC Pasadena	May 2007	Groundwater Investigation and Reporting
M-I SWACO 1819 West Pinhook Lafayette, Louisiana	Mr. Scooter Cart and Mr. Richard Goudeau 337-354-4210	Industry Standard Tank Inspection Program (Central and Southern U.S. Regions)	2002- Present	Developed a nation wide turnkey bulk storage tank container inspection program for over 1000 containers to comply with new SPCC industry standard inspection requirements.
M-I SWACO 1819 West Pinhook Lafayette, Louisiana	Mr. Richard Goudeau 337-354-4210	Grand Chenier Facility Site Investigation and Risk Analysis	2007- 2009	Investigated a former drilling fluids plant property, developed site specific risk standards using the LDEQ RECAP document, and obtained No Further Action for the site.
M-I SWACO 1819 West Pinhook Lafayette, Louisiana	Mr. Richard Goudeau 337-354-4210	Spill Prevention Control and Countermeasure (SPCC) Plan Preparation	2002-Present	Prepare and maintain SPCC plans for numerous Southern U.S. Region Drilling Fluid Plants
M-I SWACO 1819 West Pinhook Lafayette, Louisiana	Mr. Richard Goudeau 337-354-4210	Phase II Environmental Site Assessment – Maurice, Louisiana	2007	Facility field investigation and subsequent reporting for Phase II ESA completion.

SEMS, INC.
ENGINEERING PROJECT DESCRIPTIONS

Client Name and Address	Client Contact Person and Telephone Number	Project Title and Location	Dates of Project	Description of Project
Motiva Enterprises PO Box 37 Convent, LA 70723	Bill Paul, PE 225-562-7681	Groundwater Sampling Convent, LA	Feb 1996- Present	Since 1996, SEMS has performed groundwater monitoring, sampling and reporting for the Motiva hazardous waste, solid waste and biosludge permitted facilities.
Motiva Enterprises PO Box 37 Convent, LA 70723	Bill Paul, PE 225-562-7681	Caustic Area Convent, LA	Sept 1996 -	Operation, maintenance, groundwater sampling, and reporting associated with caustic release. Prepared RECAP Evaluation and obtained NFA from LDEQ.
Motiva Enterprises PO Box 37 Convent, LA 70723	Bill Paul, PE 225-562-7681	Tank 20T-209 Convent, LA	Sept 1996	Groundwater sampling and reporting associated with hydrocarbon release.
Motiva Enterprises PO Box 37 Convent, LA 70723	Bill Paul, PE 225-562-7681	Tame/MTBE Unit Convent, LA	2000	Investigation and RECAP
Motiva Enterprises PO Box 37 Convent, LA 70723	Bill Paul, PE 225-562-7681	Class I Permit Mod Convent, LA	1997	Prepared Class I Permit Modification
Motiva Enterprises PO Box 37 Convent, LA 70723	Bill Paul, PE 225-562-7681	37 MH-05 Convent, LA	1997	Investigation
Motiva Enterprises PO Box 37 Convent, LA 70723	Bill Paul, PE 225-562-7681	Tank 20D-27 Convent, LA	1998	Investigation
Motiva Enterprises PO Box 37 Convent, LA 70723	Bill Paul, PE 225-562-7681	Sphere Tank Farm Convent, LA	1998	Investigation
Motiva Enterprises PO Box 37 Convent, LA 70723	Bill Paul, PE 225-562-7681	Amine Phase 3 Convent, LA	1999	Groundwater Certification Assessment
Motiva Enterprises PO Box 37 Convent, LA 70723	Bill Paul, PE 225-562-7681	H-Oil Heater Convent, LA	April – Dec 2002	Groundwater Certification Assessment and RECAP Preparation

SEMS, INC.
ENGINEERING PROJECT DESCRIPTIONS

Client Name and Address	Client Contact Person and Telephone Number	Project Title and Location	Dates of Project	Description of Project
Motiva Enterprises PO Box 37 Convent, LA 70723	Bill Paul, PE 225-562-7681	HTU-2/HTU-3 Convent, LA	Feb 2004 – March 2005	Groundwater Certification Assessment and RECAP Preparation.
Regions Bank 5353 Essen Lane, Suite 500 Baton Rouge, LA 70809	Mark Herbst	12050 S. Choctaw Dr Baton Rouge, LA	Oct 2007	Phase I Environmental Assessment
Service Distributors, Inc. Baton Rouge, LA	Steve Johnson	5407 Hooper Road Baton Rouge, LA	Sept 2007	Phase I Environmental Assessment
Shell Pipeline Company LP	Doug Schexnayder 225-265-1106	Tank 519 Closure St. James, LA	Oct 1999 – March 2000	Development of a Closure Plan for Tank #519. Approximately 17,000 gallons of crude oil was spilled within the secondary containment.
Shell Pipeline Company LP	Gary Stovall (504) 728-8209	Capline Water Well P&A Multiple Facilities in IL, KY, TN, MS, and LA	2007	Plug and abandoned former potable water wells at pumping stations along pipeline from Illinois to Louisiana
Shell Pipeline Company LP	Nancy Groves (713) 241-0858	Disposal Verification Multiple sites in LA and MS	2002	Disposal sampling of wastes prior to disposal. Wastes include those from demolition, spill related wastes, tank cleaning or recondition wastes, on shore and off shore piping, and other non-typical wastes (hydrocarbon related, lead, zinc, asbestos, PCBs, etc).
Statewide Bank 69291 Hwy 21 Covington, LA 70433	Mike Lofaso 985-893-8545	29550 James Chappel Albany, LA	May 2007	Phase I Environmental Assessment
Statewide Bank 69291 Hwy 21 Covington, LA 70433	Mary Bellott 985-893-8545	19714 Hwy 40 Covington, LA	May 2007	Phase I Environmental Assessment

SEMS, INC.
ENGINEERING PROJECT DESCRIPTIONS

Client Name and Address	Client Contact Person and Telephone Number	Project Title and Location	Dates of Project	Description of Project
Statewide Bank 69291 Hwy 21 Covington, LA 70433	Mary Bellott 985-893-8545	533 East Airline Hwy LaPlace, LA	May 2007	Phase I Environmental Assessment
Tiger Bend Development 4280 Highland Road Baton Rouge, LA 70808	Dedrick Morris	16057 Tiger Bend Rd Baton Rouge, LA	May 2006	Phase I Environmental Assessment
Waste Management Woodside Landfill 29375 Woodside Drive Walker, Louisiana 70785	Amanda Olson, P.E. 225-268-2895	Waste Rejection and Removal	2004 - Present	SEMS provides engineering oversight during all landfill rejected waste removal actions and professional engineering certification that work was performed in accordance with the landfill permit Waste Rejection and Removal Plan. (Average 1- 2 removals per year)

ATTACHMENT E

CONSTRUCTION/REMEDIATION PROJECT DESCRIPTIONS

SEMS, INC.
CONSTRUCTION/REMEDIATION PROJECT DESCRIPTIONS

Client Name and Address	Client Contact Person and Telephone Number	Project Title and Location	Dates of Project and Dollar Amount	Description of Project
BFI	Todd Broussard 318-527-6857	Reactive Wall Geismar, LA	Dec 1998 $204,000	Installation of an iron filing trench measuring 700 feet long by 1 foot wide by 25 feet deep.
Baton Rouge Police Dept Baton Rouge, LA	Chester Ladner 225-389-5209	Pistol Range Baton Rouge, LA	October 2000 $150,000	Excavation of berm containing lead, removal of lead bullets for recycling, soil stabilization, and disposal.
Baton Rouge Airport Baton Rouge, LA	Jerry Webber 225-358-4217	Mold Remediation Baton Rouge, LA	June 2002 $54,000	Removal of mold affected sheetrock and ceiling tile
CH2MHill 5339 Alpha Road, Suite 300 Dallas, TX 75240	Jay Burns 972-9802188 ext. 311	Central Wood Superfund Site	June 2003- October 2003 $225,000	Removal and disposal of asbestos containing materials, demolition of buildings and tanks.
CH2MHill 5339 Alpha Road, Suite 300 Dallas, TX 75240	Mr. Jay Burns 972-9802188 ext. 311	Central Wood Superfund Site	Jan – March 2004 $174,000	Installation of security fencing, installation of site entrance/exit points, site clearing, harvesting of select trees, installation of perimeter erosion and storm water control.
Cecos International	Joe Whelan 318-527-6857	Slurry Wall Install Port Arthur, TX	March 1999 $190,000	Installation of a bentonite slurry wall trench measuring 2,374 feet long by 2.5 feet wide by 51 feet deep.
City of Baton Rouge 50 Woodpecker Drive Baton Rouge, LA 70807	E.J. Amato 225-389-3154	Refurbish Clarifiers Baton Rouge, LA	August 2008 through April 2009 $357,000.00	Refurbish 4 primary clarifers for City of Baton Rouge North WWTP
City of Baton Rouge 50 Woodpecker Drive Baton Rouge, LA 70807	E.J. Amato 225-389-3154	Clean 3 Aerobic Digesters Baton Rouge, LA	September 2007—August 2008 $800,000.00	Cleaned 3 aerobic digesters for City of Baton Rouge's North Wastewater Treatment Plant. Sludge Removal, Mechanical Dewatering, Transport and Disposal of Waste.
DOW Chemical USA St. Charles Operations	Ray Kuhlmeier 985-793-4937	Drainage Improvement Taft, Louisiana	Nov 2002 – Dec 2003 $775,000	2,300 feet of ditch line re-construction to improve drainage
DuPont Chemical 1005 Industrial Drive Old Hickory, TN	Toren Bensonhaver 615-847-6846	Basin Dredging and Mechanical Dewatering Old Hickory, TN	July— December 2008 $624,000.00	Dredging and Mechanical Dewatering of Basins located in DuPont's Wastewater Treatment Plant

SEMS, INC.
CONSTRUCTION/REMEDIATION PROJECT DESCRIPTIONS

Client Name and Address	Client Contact Person and Telephone Number	Project Title and Location	Dates of Project and Dollar Amount	Description of Project
DuPont Chemical Company DuPont Road New Johnsonville, TN 37134	Harold Williams 931-585-7482	Mechanical Dewatering Pilot Test New Johnsonville, TN	July 2005 $75,000.00	Conduct Pilot Test to Determine Optimal Mechanical Dewatering Scenarios
Ethyl Corporation Baton Rouge, LA	Gene Ponti 225-359-2856	Marley Cooling Basin Baton Rouge, LA	Dec 1998 $200,000	Dredging of sediment from a concrete lined impoundment
GES, Inc. 5300 Oakbrook Parkway Suite 140 Norcross, GA 30093	Jason Wilson, P.E. 770-441-9400	Tank Farm Clean Up Natchez, MS	October 2008 $45,000.00	Clean up of oil stained cover
Geo-Marine, Inc.	Greg Dennis 210-930-3007	Biotreatment Alexandria, LA	June 2000 $450,000	Excavation and treatment of approximately 12,500 cubic yards of soil impacted with jet fuel. Construction of a 300 feet square lined treatment area, piping, and blower install. Operation of the land treatment unit which was completed in one month.
Geo-Marine, Inc.	Mr. Greg Dennis 210-930-3007	Excavation Alexandria, LA	January 2001 $135,000	Excavation of 1,050 cubic yards of lead contaminated soil, transportation and disposal.
IT Corportation	Tyson Hackenberg 225-925-5604	Lift Removal Picayune, MS	April 2001 $13,000	Remvoal of a hydraulic lift system and excavation of soils
LDEQ PO Box 4314 Baton Rouge, LA 70821-4314	Meghan Radtke 225-219-3214	Tech Sugar Mill Franklin, LA	Jan 2007 – Feb 2008 $410,000	Clearing; Asbestos Mitigation; soil, sediment & water sampling; soil excavation & disposal; UST Closures; drum sampling & disposal.
LDEQ PO Box 4314 Baton Rouge, LA 70821-4314	Bill Shramm 225-219-3403	Fredeman Pit Site Sulphur, LA	Jan-June 2007 $112,000	Drum handling, hazard categorization, soil and drum transportation and disposal.
LDEQ/IAS Division Baton Rouge, LA	Tom Stafford 225-765-0487	Old Inger Superfund Darrow, LA	1999-2001 $300,000	SEMS was a subcontractor to OHM/IT Group to perform water treatment activities. 16 million gallons of water was treated in two years using a 300 gpm treatment unit (sand filters, PM-100, activated carbon).

SEMS, INC.
CONSTRUCTION/REMEDIATION PROJECT DESCRIPTIONS

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LDEQ/IAS Divison Baton Rouge, LA	Tom Stafford 225-765-0462	Timber Plus Denham Springs, LA	Jan 1996 $35,000	Hazard categorization of 466 drums and sampling of waste streams
Lockheed Martin 13800 Old Gentilly Road New Orleans, LA 70189	Pat Constantino 504-257-3311	DNAPL Trench New Orleans, LA	Sept 2003 – Feb 2005 $900,000	Excavation, transportation and disposal of contaminated soils and installation of in-situ groundwater remediation system for chlorinated solvent contamination.
Lockheed Martin 13800 Old Gentilly Road New Orleans, LA 70189	Marty Rowland 504-257-3435	Rinsewater Impoundment New Orleans, LA	March-June 1997 $1,300,000	Remediation and Closure of an impoundment including concrete decontamination, soil excavation and treatment, vapor treatment, water treatment
Lockheed Martin 13800 Old Gentilly Road New Orleans, LA 70189	Marty Rowland 504-237-3435	MARS Canal New Orleans, LA	May – June 1996 $650,000	Dredging, dewatering, loading, transportation, and disposal for ½ mile of drainage canal containing hazardous waste
Lockheed Martin 13800 Old Gentilly Road New Orleans, LA 70189	Marty Rowland 504-257-3435	Reactive Wall New Orleans, LA	Sept 1999 $132,000	Installation of a Permeable Chemical Reactive Wall using zero valent iron
Lourie Consultants	David Lourie, PE 504-887-5531	Pittman Industrial Site Mandeville, LA	Oct 2001 $58,000	Clean and demolish a 60,000 AST containing hazardous waste
National Railroad Passenger	Jim Eaton 504-596-2070	Demolition of Locomotive Fueling New Orleans, LA	Nov 1999 $75,000	Demolition of tank, piping and concrete structures, berm excavation, and off-site disposal.
Shaw Environmental and Infrastructure 4171 Essen Lane Baton Rouge, LA 70809	Kenneth Romero, P.G. 225-932-2500	Facility Emergency Protective Measures Supporting the Archdiocese of New Orleans, Louisiana	November – December 2005 $1,468,000.00	Removal and disposal of furniture and fixtures, asbestos and mold remediation, and securing of various properties that sustained catastrophic damage as a result of Hurricane Katrina. These properties are owned by the Archdiocese of Louisiana.
T.H. Agriculture and Nutrition 15313 West 95th Street Lenexa, KS 66219	Jack Cleary, P.E. 918-888-2922	Remediation and Restoration New Orleans, LA	October 2006-July 2007 $1,900,000.00	Remediation restoration of abandoned pesticide packaging and warehouse facility. Soil Excavation, Demolition, Sewer Cleaning, Site Restoration

SEMS, INC.
CONSTRUCTION/REMEDIATION PROJECT DESCRIPTIONS

Client Name and Address	Client Contact Person and Telephone Number	Project Title and Location	Dates of Project and Dollar Amount	Description of Project
URS Corporation 7389 Florida Blvd. Suite 300 Baton Rouge, LA 70806	Denise Radaich, P.E. 225-922-5700	Closure of Wastewater Treatment Plant Laurel, MS	Feb 2005-Feb 2007 3,700,000.00	Closure of URS Client's Wastewater Treatment Plant, Ponds, Lagoons, and Wastewater Treatment Plant Structures
URS Corporation 7389 Florida Blvd. Suite 300 Baton Rouge, LA 70806	Henry Stremlau, P.E. 225-922-5700	Installation of Infiltration Gallery	June-July 2008 $224,000.00	Installation of underground infiltration gallery for URS client in Deridder, La. The gallery was in support of client's waste water treatment plant.
URS Corporation 7389 Florida Blvd. Suite 300 Baton Rouge, LA 70806	William Hurdle, CHMM 225-922-5700	Site Improvements for URS Pipeline Client	June-August 2005 $235,000.00	Site preparation in order to render site suitable for operation of remedial system.
URS Corporation 7389 Florida Blvd. Suite 300 Baton Rouge, LA, 70806	William Beal, P.E. 225-922-5700	Construction of Swale Springhill, LA	November-December 2004 $100,000.00	Removal of buried debris and construction of swale to promote drainage
URS Corporation 7389 Florida Blvd Suite 300 Baton Rouge, LA 70806	Denise Radaich, P.E. 225-922-5700	Construct Roadway DeRidder, LA	April 2008 $30,000	Construction of roadway
US Airforce Barksdale AFB Bossier City, LA	Sharon Jefferson 318-456-6941	Pump House #3 Bossier City, LA	Oct – Dec 2004 $132,000	Removal of six 50,000 gallon USTs, removal of pumps, removal of piping systems, and demolition of Pump House #3.
Waste Management	Glenn Robertson 225-667-6136	Nexen Tank Cleaning Taft, Louisiana	January 2004 $56,000	Cleaning of six product/waste storage tanks varying in size from 14 to 44 feet diameter.
Waste Management	Ben Twiner 225-667-6129	WMI-Cytec Waggaman, LA	January 2001 $89,500	Sludge Solidification, Demolition, Transportation and Disposal, Backfilling, and Hydroseed
Weston Solutions 5599 San Felipe Suite 700 Houston, TX 77056	Jeff Wormser, P.E. 713-985-6726	Excavation of Contaminated Soil Grand Isle, LA	April-September 2008 $1,800,000	Excavation, Transportation, and Disposal of Contaminated Soil
Weston Solutions 5599 San Felipe Suite 700 Houston, TX 77056	Steven Hamm, P.G. 713-985-6652	Excavation of Contaminated Soil Laurel, MS	November-December 2008 $190,000	Excavation, Transportation, and Disposal of Contaminated Soil

ATTACHMENT F

AST/UST PROJECT DESCRIPTIONS

SEMS, INC
AST/UST PROJECT DESCRIPTIONS

Client Name and Address	Client Contact Person and Telephone Number	Project Title	Dates of Project and Dollar Amount	Description of Project
Advent Environmental	Mr. Frank Czajkowdki 813-885-9876	FEDX UST Closure Baton Rouge, LA	Nov 1998 $12,000	Closure of one 10,000 gallon UST in accordance with LDEQ regulations, pavement replacement, reporting.
Alvin J. Landry 306 West 8th Street Covington, LA 70433	Mr. Alvin Landry 985-809-1770	Fmr E-Z Serve 2152 28165 Hwy 190 LaCombe, LA	March 2005 – Present $95,000	Site Investigation; RECAP; Free Product Recovery.
Amar Oil 1612 West Church Street Hammond, LA 70401	Mr. Edward Amar 985-345-1827	Fmr E-Z Serve 2011 1805 SW Railroad Ave Hammond, LA	Oct 2001-Sept 2008 $415,000	Excavation, transportation, and disposal of 2,100 tons of soil impacted with gasoline constituents; confirmation soil sampling; backfilling of excavation and compaction; RECAP, groundwater sampling and reporting, and closure of USTs. NFA granted by LDEQ on 10/9/08
Azeem Discount Store 304 Cherry St. Metairie, LA 70005	Mr. Abdul Khan 504-271-0013	Azeem 5201 N. Claiborne New Orleans, LA	August 2004 – August 2006 $14,000	Site Investigation and RECAP Evaluation. No Further Action granted by the LDEQ
BG Mart 3024 Mt. Blanc Drive Marrero, LA 70072	Ms. June Doan 504-362-2986	BG Mart 2248 Westbank Expwy Harvey, LA	Oct 2004 – July 2005 $20,000	Site Investigation activities included the installation and sampling of 5 direct push borings/temp wells in Oct 2004 and installation of 3 temp wells in April 2005. Prepared RECAP Evaluation Report.
Blossman Oil Co 711 E. Boston St Covington, LA 70433	Mr. Gary O'Keefe 985-898-2663	Fmr E-Z Serve 2061 500 N. Causeway Mandeville, LA	July – Nov 2005 $65,000	Site Investigation; RECAP Evaluation Report; CAP; groundwater sampling and reporting.
Bro's Food Store 920 North Alexander Street Port Allen, LA 70056	Mr. William Coleman 225-383-1865	Bro's Food Store 920 N. Alexander Street Port Allen, LA	Aug 2006 – March 2007 $22,000	In-Place closure of three USTs and preliminary investigation.
Brothers Petroleum 1820 Belle Chase Hwy, Ste. 202 Gretna, LA 70056	Mr. Imad Hamden 504-366-2413	Brothers No. 105 1020 Bridge City Ave Bridge City, LA	April 2006 $22,000	Site Investigation and RECAP.

SEMS, INC
AST/UST PROJECT DESCRIPTIONS

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Brother's Petroleum 1820 Belle Chase Hwy, Ste 202 Gretna, LA 70056	Mr. Imad Hamden 504-366-2413	Brother's No. 108 8692 River Road Waggaman, LA	April 2006 – Jan 2008 $75,000	Site Investigation; RECAP Evaluation; Corrective Action Plan, soil excavation, P&A of wells, and NFA.
Brother's Petroleum 1820 Belle Chase Hwy, Ste 202 Gretna, LA 70056	Mr. Imad Hamden 504-366-2413	Brother's No. 111 2698 Barataria Blvd Marrero, LA	Aug 2001 - Present $385,000	Site Investigation; RECAP Evaluation; Corrective Action Plan, Remedial System Installation, Remedial System O&M, Groundwater Sampling and Reporting.
Brothers Petroleum 1820 Belle Chase Hwy, Ste. 202 Gretna, LA 70056	Mr. Imad Hamden 504-366-2413	Brothers No. 113 1227 Veterans Blvd Kenner, LA	April 2006 $300,000	Free Product Recovery, Corrective Action Plan, Remedial System Installation, Remedial System O&M
Brothers Petroleum 1820 Belle Chase Hwy, Ste. 202 Gretna, LA 70056	Mr. Imad Hamden 504-366-2413	UST System Compliance - Regional	March 2009 - Present	Managing all UST site fuel system environmental regulatory compliance.
Davill Petroleum P.O. Box 129 Natalbany, LA 70451	Ms. Gloria Plummer 504-345-6370	Piggly Wiggly 31660 LA Hwy 22 Springfield, LA	Jan 2001-present $150,000	Site Investigation; Groundwater monitoring, sampling and reporting; Insitu Chemical Oxidation; RECAP Evaluation.
Davill Petroleum P.O. Box 129 Natalbany, LA 70451	Ms. Gloria Plummer 504-345-6370	Dino's Diner Florida Blvd. & 4H Club Rd Denham Springs, LA	Aug 2002 $300,000	Site Investigation; RECAP Evaluation; Excavation, transportation and disposal of 1,800 tons of soil impacted with gasoline, confirmation sampling, direct push sampling, backfilled excavation, concrete disposal, groundwater sampling and reporting; in-situ chemical oxidation. LDEQ granted NFA July 2005.
EBR City Parish P.O. Box 1471 Baton Rouge, LA 70821	Mr. Turhan Ak 225-389-3202	UST Closures Baton Rouge, LA	Feb 1999 $295,000	Performed UST removals, upgrades, and installation activities at three sites.
EBR City Parish P.O. Box 1471 Baton Rouge, LA 70821	Mr. Turhan Ak 225-389-3202	North Street UST Closures Baton Rouge, LA		Closure of USTs
Ellis Environmental Consultants PO Box 86722 Baton Rouge, LA 70879	Mr. Chuck Ellis 225-926-6336	Crawford Trucking 1549 Airline Hwy Baton Rouge, LA	September 2005 $15,000	Closure of 12,000 gallon UST

SEMS, INC
AST/UST PROJECT DESCRIPTIONS

Client Name and Address	Client Contact Person and Telephone Number	Project Title	Dates of Project and Dollar Amount	Description of Project
Environmental Pollution Consultants PO Box 8782 Hot Springs, Arkansas 71910	David Diehl 501-922-9742	Warmsprings Mini Mart Warmsprings, Arkansas	December 2007 $103,000	Excavation and transportation of 2,700 tons of impacted soils.
Environmental Pollution Consultants PO Box 8782 Hot Springs, Arkansas 71910	David Diehl 501-922-9742	Shepards Quick Stop 3120 Pine St. Arkadelphia, AK	April 2005 $75,000.00	Remedial System Installation and Startup
Environmental Works 13100 Kansas Avenue, Suite K Bonner Springs, KS 66012	Mr. Thomas Jones 913-422-3555	BNSF Railway 517 Hwy 90 East Jennings, LA	Aug 2006 $8,600	Closure of one 8,000 gallon UST
E-Z Serve Convenience Stores 1824 Hillandale Road Durham, NC 27705	Mr. Dan Waters 919-384-9888	Fmr. E-Z Serve 2006 4901 General Meyer New Orleans, LA	Jan 2001- March 2005 $448,000	Installation of a Dual Phase Remediation System including trenching, piping, well retrofitting, backfilling, pavement replacement, system placement and startup. System operation and maintenance, groundwater sampling, and reporting. NFA Granted by LDEQ 9/28/06.
E-Z Serve Convenience Stores 1824 Hillandale Road Durham, NC 27705	Mr. Dan Waters 919-384-9888	E-Z Serve No. 2008 1000 West Pine Street Ponchatoula, LA	Sept 1999- Sept 2003 $395,000	Installation of a Dual Phase Remediation System including trenching, piping, well retrofitting, backfilling, pavement replacement, system placement and startup. System operation and maintenance, groundwater sampling, and reporting.
E-Z Serve Convenience Stores 1824 Hillandale Road Durham, NC 27705	Mr. Dan Waters 919-384-9888	E-Z Serve No. 2144 4174 West Main Street Gray, LA	Oct 2000 – March 2003 $317,000	Installation of a Dual Phase Extraction remedial system to include trenching, piping, well retrofitting, backfilling, pavement replacement, system placement, system startup, and operation and maintenance. Groundwater sampling and reporting. NFA granted by LDDQ 5/5/04.

SEMS, INC
AST/UST PROJECT DESCRIPTIONS

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E-Z Serve Convenience Stores 1824 Hillandale Road Durham, NC	Mr. Dan Waters 919-384-9888	E-Z Serve No. 2153 2150 Belle Chase Hwy New Orleans, LA	April 2001 – Dec 2002 $131,000	Performed excavation of 145 tons of soil impacted with diesel above RECAP standards. Soil was transported and disposed off-site, excavation areas were backfilled and pavement was replaced. Soil and groundwater sampling, P&A of monitoring wells, and reporting. NFA granted by LDEQ on 5/13/03.
E-Z Serve Convenience Stores 1824 Hillandale Road Durham, NC 27705	Mr. Dan Waters 919-384-9888	Fmr. E-Z Serve 7407 3500 Jefferson Hwy Jefferson, LA	June 2001 – July 2005 $221,000	Installation of pneumatic Pump and Treat system with soil vapor extraction to include trenching, piping, well retrofitting, backfilling, pavement replacement, system delivery and startup. Groundwater sampling and reporting. NFA granted by LDEQ on 12/16/05.
E-Z Serve Convenience Stores 1824 Hillandale Road Durham, NC 27705	Mr. Dan Waters 919-384-9888	Fm.r E-Z Serve 7450 1535 Franklin Ave New Orleans, LA	Sept 1999 – Oct 2004 $320,000	Installation of a Dual Phase Extraction remedial system to include trenching, piping, well retrofitting, pavement replacement, backfilling, system placement, system startup, and operation and maintenance. Groundwater sampling and reporting. LDEQ granted NFA on 2/10/05.
E-Z Serve Convenience Stores 1824 Hillandale Road Durham, NC 27705	Mr. Dan Waters 919-384-9888	Fmr. E-Z Serve 7765 1905 Roosevelt New Orleans, LA	Aug 2001-July 2002 $104,000	Site Investigation including the installation and sampling of 13 soil borings/monitoring wells using hollow stem auger and 8 soil borings using direct push. Groundwater sampling and reporting.
Facility Planning and Control State of Louisiana Claiborne Building P.O. Box 94095 Baton Rouge, Louisiana 225-342-0820	C-K Associates, Inc. Engineer 17170 Perkins Road Baton Rouge, LA	Greenwell Springs Hospital, Underground Storage Tank Removal and Fuel System Installation Project #01-107-98-04 Part AC	2006-2007	Removal of existing emergency generator fuel system including multiple above ground and underground storage tanks, installation of new aboveground tank and associated fuel supply system, and parking lot demolition/replacement.

SEMS, INC
AST/UST PROJECT DESCRIPTIONS

Client Name and Address	Client Contact Person and Telephone Number	Project Title	Dates of Project and Dollar Amount	Description of Project
Federal Aviation Administration Southwest Region 2601 Meacham Blvd. Fort Worth, TX 76137	Mr. Terry Scott 615-294-4609 817-222-4792	UST & AST Inspection and Repairs, Southwest Region	Sept 1998- April 2005 $1,480,000	Three phase project including inspections, repairs, and NFPA upgrades to all USTs and ASTs associated with emergency generator locations. Over 150 UST and AST locations were evaluated, repaired and/or upgraded.
Federal Aviation Administration Southwest Region 2601 Meacham Blvd. Fort Worth, TX 76137	Mr. Terry Scott 615-294-4609 817-222-4792	Tank Monitoring Systems DTFASW-06-C-0052	Aug 2006 – March 2007 $50, 000	Replacement of tank monitoring systems at five sites in southwest region.
Federal Aviation Administration Southwest Region 2601 Meacham Blvd. Fort Worth, TX 76137	Mr. Terry Scott 615-294-4609 817-222-4792	Site Assessment Fort Worth ATCC, Fort Worth, TX	Aug 2008- Nov 2008 $23,000	Completed Site Assessment & TCEQ Assessment and Report
Harris Dulitz 1510 Veterans Blvd. Metairie, LA 70005	Mr. Harris Dulitz 504-833-7771	Fmr. E-Z Serve 2012 8937 Jefferson Hwy River Ridge, LA	April 2006 – Aug 2007 $30,000	Site Investigation and RECAP Evaluation. NFA granted by LDEQ on 8/24/07.
J. M. Waller Associates 8610 N. New Braunfels Suite 606 San Antonio, TX 78217	Lynn Crane 210-268-2532	Removal and installation of emergency generators at New Orleans Airport.	July 2006 – Dec 2006 $120,000	Removal of one UST and installation of an AST at two radar sites at the Louis Armstrong New Orleans Airport.
LDEQ PO Box 4314 Baton Rouge, LA 70821-4314	Ms. Heather Biletnikoff 225-219-3429	Post Hurricane Assessments	May 2007 – Dec 2008 $2,800,000	SEMS was assigned 123 UST sites potentially impacted by Hurricanes. Activities completed included 99 Site Access Agreements, 71 Compliance Inspections, 80 General Site Assessments, 114 Additional Assessments, 49 General System Assessments, and 69 Further Assessments.
LDEQ PO Box 4314 Baton Rouge, LA 70821-4314	Ms. Heather Biletnikoff 225-219-3429	Compliance Evaluation Inspections	May–Aug 2007 $200,000	SEMS conducted Compliance Evaluation Inspections at 280 UST sites across south Louisiana.

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LDEQ PO Box 4314 Baton Rouge, LA 70821-4314	Ms. Heather Biletnikoff 225-219-3429	Deranger Repair Shop 2903 Hwy 347 Leonville, LA	Jan-April 2008 $34,000	Closure of 3 USTs and 1 hydraulic lift under the Two-Step UST Remediation Contract.
MAPCO Express, Inc. 830 Crescent Centre Drive Suite 300 Franklin, TN 37067	Mr. Brian Parnell 615-224-1169	UST Compliance Inspections = 19 sites	May-June 2006 $9,500	Performed UST Compliance Inspections at 19 convenience stores. Review release detection records, precision test results, cathodic protection system records, and inspected UST fuel distribution system for compliance.
Mikes Country Store 2999 Choctaw Road Thibodaux, LA	Mr. Mike Delatte 985-633-9902	Mikes Country Store 1243 Choctaw Road Choctaw, LA	Dec 1998 – March 2005 $417,000	Installation of a pump and treat with soil vapor extraction system including trenching, piping, well retrofitting, backfilling, pavement replacement, system delivery, system startup, operation and maintenance, groundwater sampling and reporting. Performed soil excavation. NFA granted in 2005.
Mobil Truck Stop 14661 Airline Highway Gonzales, LA	Mr. Theo Bueto 225-294-4219	Mobil Truck Stop 14661 Airline Hwy Gonzales, LA	February 2006 $25,000	Closure of 4 USTs.
Parsons Infrastructure 4500 Mercantile Plaza Drive Suite 228 Fort Worth, TX 76136	Gail Sagouspe'	Russellville, AR NWR017811	Feb 2006 – Dec 2006 $80,000	Removal of existing AST and installation of new AST system.
Parsons Infrastructure 4500 Mercantile Plaza Drive Suite 228 Fort Worth, TX 76136	Gail Sagouspe'	Gage, OK NWR01710 744134-30000	Aug 2005 – Feb 2006 $60,000	Installation of a new AST for a FAA remote emergency generator site. Included installation of AST, monitoring system piping, and startup.
Parsons Infrastructure 4500 Mercantile Plaza Drive Suite 228 Fort Worth, TX 76136	Gail Sagouspe'	Gage, OK NWR01710 744134-30000	Aug 2005 – Feb 2006 $60,000	Installation of a new AST for a FAA remote emergency generator site. Included installation of AST, monitoring system piping, and startup.

SEMS, INC
AST/UST PROJECT DESCRIPTIONS

Client Name and Address	Client Contact Person and Telephone Number	Project Title	Dates of Project and Dollar Amount	Description of Project
Petro Serve 2015 Magazine Street New Orleans, Louisiana 70130	Mr. Hossein Talebloo 504-581-9700	Fmr E-Z Serve 2100 2200 Robert E. Lee New Orleans, Louisiana	April 2002-Present $162,000	Site Investigation, RECAP, CAP, Closure of USTs, and soil excavation.
Petro Serve 2015 Magazine Street New Orleans, Louisiana 70130	Mr. Hossein Talebloo 504-581-9700	Fmr E-Z Serve 2176 5301 Franklin Ave. New Orleans, Louisiana	Jan.2005-April 2009 $40,000	Site Investigation, RECAP, and No Further Action requested April 2009.
Pilot Travel Centers 5508 Lonas Drive Knoxville, TN 37909	Mr. Joey Cupp 800-562-6210	Pilot No. 075 6109 Hwy 43 Satsuma, AL	April 2006 – Present $120,000	Preliminary and Secondary Investigations; Risk Assessment; CAP; Groundwater Monitoring; free product recovery.
Pilot Travel Centers 5508 Lonas Drive Knoxville, TN 37909	Mr. Joey Cupp 800-562-6210	Pilot No. 079 2601 South Range Ave Denham Springs, LA	November 2005 – Present $110,000	Emergency Response activities; Site Investigation; RECAP.
Plaquemine Bank 24025 Eden Street Plaquemine, LA 70764	Mr. Dale Plauche 225-687-6388	K&R Kar Kare 23910 Eden Street Plaquemine, LA	Aug 2007 – March 2008 $40,000	Assessment; closure of USTs, off-site disposal of soils, canopy removal, hydraulic lift removal.
Quick Chek 580 Robert Road Slidell, Louisiana	Mr.Abdallah JAber	Quick Chek 580 Robert Road Slidell, Louisiana	2008-Present	UST Closure/Removal, Site Investigation; RECAP Evaluation
Quick Check Slidell, LA	Mr. Abdullah Jaber	Quick Check # 206	June 2008 $19,500	Closure and reporting of one 10,000-gallon UST, and two 6,000-gallon USTs.
Quick Check Slidell, LA	Mr. Abdullah Jaber	Quick Check # 206	June 2009 - Present	Site Assessment work plan, and preparation for assessment and RECAP work to be completed at site.
RaceTrac Petroleum 3225 Cumberland Blvd Atlanta, GA 30319	Ms. Lisa Ciotoli 770-431-7600	1625 Lafayette St Gretna, LA	October 2004– December 2005 $36,000	Site Investigation; RECAP Evaluation.; Supervised closure of USTs; No Further Action received from the LDEQ.

SEMS, INC
AST/UST PROJECT DESCRIPTIONS

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Reserve Telephone Company Reserve, LA	Glenn Bourg	RTC Reserve, LA	Jan-Feb 2009 $1,500	Responded and resolved LDEQ Compliance issues in regard to USTs at the facility.
Restructure Partners 9519 East MLK Blvd, Suite 100 Tampa, FL 33610	Mr. Jack Ceccarelli 813-286-0008	RP 0896 803 W. Grand Ave Rainbow City, AL	July 2001-Present $150,000	Preliminary Investigation, Secondary Investigation, ARBCA, groundwater monitoring, sampling and reporting.
Restructure Petroleum 9519 East MLK Blvd, Suite 100 Tampa, FL 33610	Mr. Jack Ceccarelli 813-286-0008	RPMS No. 100004 5013 LA Hwy 1 South Raceland, LA	July 2002-May 2007 $170,000	Site Investigation, RECAP Evaluation, Soil Excavation. LDEQ granted NFA on 5/18/07.
Restructure Petroleum 9519 East MLK Blvd, Suite 100 Tampa, FL 33610	Mr. Jack Ceccarelli 813-286-0008	RPMS No. 100384 2828 Old Marksville Pineville, LA	1998 - Present $448,000	Free product recovery, Site Investigation, RECAP Evaluation, groundwater sampling and reporting.
Restructure Petroleum 9519 East MLK Blvd, Suite 100 Tampa, FL 33610	Mr. Jack Ceccarelli 813-286-0008	RPMS No. 100385 US Hwy 167 Meeker, LA	July 2002-May 2007 $347,000	Site Investigation, RECAP Evaluation, Soil Excavation. LDEQ granted NFA on 5/18/07.
Restructure Petroleum 205 S. Hoover, suite 100 Tampa, FL 33609	Mr. Jack Ceccarelli 813-286-0008	RPMS No. 100416 LA Hwy 113 @ 112 Union Hill, LA	June 2002-Aug 2002 $162,000	In-situ chemical oxidation of soils impacted with xylene above RECAP standards.
Restructure Petroleum 205 S. Hoover, suite 100 Tampa, FL 33609	Mr. Jack Ceccarelli 813-286-0008	RPMS No. 100428 1909 US Hwy 71 Montgomery, LA	June 2002-Aug 2002 $872,000	Site Investigation, CAP, remedial system installation, remedial system O&M.
Restructure Petroleum 9519 East MLK Blvd, Suite 100 Tampa, FL 33610	Mr. Jack Ceccarelli 813-286-0008	RPMS No. 100430 US Hwy 165 South Kelly, LA	Sept 2000-August 2007 $563,000	Installation and operation of a dual phase extraction remedial system, groundwater sampling and reporting; RECAP Evaluation; LDEQ granted NFA on 8/27/07.
Restructure Petroleum 9519 East MLK Blvd, Suite 100 Tampa, FL 33610	Mr. Jack Ceccarelli 813-286-0008	RPMS No. 100456 2316 Arkansas Road W. Monroe, LA	Jan 2002-October 2007 $729,000	Installation and operation of a dual phase extraction remedial system, groundwater sampling and reporting. LDEQ granted NFA on 10/11/07.
Restructure Petroleum 9519 East MLK Blvd, Suite 100 Tampa, FL 33610	Mr. Jack Ceccarelli 813-286-0008	RPMS No. 100528 3111 Hwy 190 West DeRidder, LA	July 2004 - present $384,000	Site Investigation, RECAP Evaluation, CAP, Groundwater Sampling and Reporting.

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AST/UST PROJECT DESCRIPTIONS

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Restructure Petroleum 9519 East MLK Blvd, Suite 100 Tampa, FL 33610	Mr. Jack Ceccarelli 813-286-0008	RPMS No. 100533 202 East 4th Street DeRidder, LA	Sept 2001-present $837,000	Site Investigation, CAP, installation and O&M of a dual phase extraction remedial system, groundwater sampling and reporting, and soil excavation
Restructure Petroleum 9519 East MLK Blvd, Suite 100 Tampa, FL 33610	Mr. Jack Ceccarelli 813-286-0008	RPMS No. 100540 811 East First Street DeRidder, LA	1997- present $610,000	Site Investigation, CAP, installation and O&M of a dual phase extraction remedial system, groundwater sampling and reporting.
Restructure Petroleum 9519 East MLK Blvd, Suite 100 Tampa, FL 33610	Mr. Jack Ceccarelli 813-286-0008	RPMS No. 100547 16105 Hwy 44 Prairieville, LA	1993-2004 $175,000	Site Investigation, free product recovery, groundwater monitoring – NFA granted by LDEQ.
Restructure Petroleum 9519 East MLK Blvd, Suite 100 Tampa, FL 33610	Mr. Jack Ceccarelli 813-286-0008	RPMS No. 100696 5244 Hwy 28 East Pineville, LA	April 2001-October 2006 $408,000	Site Investigation, CAP, installation and O&M of a pump and treat with soil vapor extraction remedial system including trenching, piping, well retrofitting, pavement replacement, system delivery, and startup. Groundwater sampling and reporting.
Restructure Petroleum 9519 East MLK Blvd, Suite 100 Tampa, FL 33610	Mr. Jack Ceccarelli 813-286-0008	RPMS No. 101008 704 N. Pine Street DeRidder, LA	1997-2007 $543,000	Site Investigation, CAP, installation and O&M of a dual phase extraction remedial system, groundwater sampling and reporting. LDEQ granted NFA on 9/25/07.
Restructure Petroleum 205 S. Hoover, suite 100 Tampa, FL 33609	Mr. Jack Ceccarelli 813-286-0008	RPMS No. 101007 9th & Olive Streets Monroe, LA	1997-Aug 2002 $60,000	Groundwater monitoring, sampling and reporting. The LDEQ granted No Further Action. P&A of monitoring wells.
Rittner Holding Company 658 Leson Court Harvey, LA 70058	Mr. Chris Rittner 504-367-5586	Fmr. E-Z Serve 2077 3605 Causeway Blvd New Orleans, LA	June 2002-Feb 2006 $104,000	Performed emergency response activities associated with a gasoline release to an adjacent canal. US Coastguard and LDEQ personnel were involved. Utilized well installations, vacuum truck, and absorbents. Performed Site Investigation.
Shaw Environmental and Infrastructure 4171 Essen Lane Baton Rouge, LA 70809	Tyson Hackenberg, P.G.	Shaw Hope VI Brownsfield Redevelopment Highland Road Baton Rouge, LA	2008 $100,000.00	Underground Storage Tank removal and over excavation of contaminated soil. Soil transportation and disposal. Backfilling and compaction to 95% standard proctor.

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Stantec Consulting 1600 Oakbrook Drive, Suite 510 Norcross, GA 30093	Mr. Edgar Smith 770-903-4664	Fergusons Shell 2121 Athens Hwy Gainesville, GA GUST Contract	Aug 2007- Present $350,000	Corrective Action including CAP Development, installation of remedial system, and O&M of system.
Stantec Consulting 1600 Oakbrook Drive, Suite 510 Norcross, GA 30093	Mr. Edgar Smith 770-903-4664	Golden Pantry 639 Cobbham Rd NE Thomson, GA GUST Contract	June 2009 - Present $320,000	Corrective Action including CAP Development, installation of remedial system, and O&M of system.
Stantec Consulting 1600 Oakbrook Drive, Suite 510 Norcross, GA 30093	Mr. Edgar Smith 770-903-4664	Peach Tree 400 303 Courtland Street Atlanta, GA GUST Contract	June 2006- Present $320,000	Corrective Action including CAP Development, installation of remedial system, and O&M of system.
Stantec Consulting 1600 Oakbrook Drive, Suite 510 Norcross, GA 30093	Mr. Edgar Smith 770-903-4664	Union Hill 2880 Lower Union Hill Canton, GA GUST Contract	Oct 2006 - Present $320,000	Corrective Action including CAP Development, installation of remedial system, and O&M of system.
Stantec Consulting 1600 Oakbrook Drive, Suite 510 Norcross, GA 30093	Mr. Edgar Smith 770-903-4664	Shell Food Mart 4308 N. Peachtree Atlanta, GA GUST Contract	Dec 2007- Present $320,000	Corrective Action including CAP Development, installation of remedial system, and O&M of system.
Stantec Consulting 1600 Oakbrook Drive, Suite 510 Norcross, GA 30093	Mr. Edgar Smith 770-903-4664	Star Food Mart 855 Gray Hwy Macon, GA GUST Contract	April 2007 - Present $350,000	Corrective Action including CAP Development, installation of remedial system, and O&M of system.
Stantec Consulting 1600 Oakbrook Drive, Suite 510 Norcross, GA 30093	Mr. Edgar Smith 770-903-4664	American Foods 2345 Flat Shoals Rd Atlanta, GA GUST Contract	Oct 2007- Present $320,000	Corrective Action including CAP Development, installation of remedial system, and O&M of system.
Stantec Consulting 1600 Oakbrook Drive, Suite 510 Norcross, GA 30093	Mr. Edgar Smith 770-903-4664	Jodeco Road Chevron 2239 Jodeco Road McDonough, GA GUST Contract	July 2007- Present $320,000	Corrective Action including CAP Development, installation of remedial system, and O&M of system.

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Stantec Consulting 1600 Oakbrook Drive, Suite 510 Norcross, GA 30093	Mr. Edgar Smith 770-903-4664	Country Cupboard 3005 Canton Hwy Ballground, GA GUST Contract	July 2007- Present $320,000	Corrective Action including CAP Development, installation of remedial system, and O&M of system.
Stantec Consulting 1600 Oakbrook Drive, Suite 510 Norcross, GA 30093	Mr. Edgar Smith 770-903-4664	Polo Fields 6300 Polo Club Drive Cumming, GA GUST Contract	Feb 2003 - 2006 $320,000	Corrective Action including CAP Development, installation of remedial system, and O&M of system. NFA issued by state of Georgia.
State of Louisiana Facility Planning and Control P. O. Box 94095 Baton Rouge, LA 70804	Mr. Robert Arnold	Greenwell Springs Hospital Project No. 01-107-98-01	Jan 2007 – June 2007 $150,000	Closure of five USTs and installation of one AST.
Stop Buy 2524 Tidewater Drive Slidell, LA 70458	Mr. Seung Cho 985-774-4868	Stop Buy Slidell, LA	October 2006 $11,000	Site Investigation including the advancement and sampling of six direct push borings/temporary wells
Union Pacific	Steve McNaughton 402-271-2219	UST Removal Lockport, LA	Feb 2001 $12,000	Removal and disposal of one 12,000 gallon railroad tanker car that was buried and used as fuel storage
URS Corporation 7389 Florida Blvd, Suite 300 Baton Rouge, LA 70806	Mrs. Denise Radaich, P.E. 225-922-5700	DOW Block 43 Plaquemine, LA	Aug 2007 – Nov 2007 $20,000	Closure of one UST
URS Corporation 7389 Florida Blvd, Suite 300 Baton Rouge, LA 70806	Mrs. Denise Radaich, P.E. 225-922-5700	DOW Block 18 Plaquemine, LA	July 2006 – Sept 2006 $17,000	Closure of one UST
Williams TravelCenters One Williams Center MD 48-6 Tulsa, OK 74172	Mr. Danny Reutlinger 918-573-4371	Williams No. 3026 2720 Holloway Prairie Pineville, LA	1995-2007 $465,000	Closure of three 10,000 gallon gasoline USTs in accordance with LDEQ regulations, concrete removal and disposal, backfilling, and concrete replacement; site assessment; installation and O&M of soil and GW treatment system. NFA granted by LDEQ.

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Williams TravelCenters One Williams Center MD 48-6 Tulsa, OK 74172	Mr. Danny Reutlinger 918-573-4371	Williams No. 3170 1018 Martha Hebert Rd Henderson, LA	1994-present $700,000	Installation of a Dual Phase Extraction remedial system; O&M of the remedial system; groundwater sampling, reporting, and P&A of monitoring wells. NFA granted by LDEQ on 5/16/2000. Site opened back up after property transfer assessment; performed soil excavation, additional assessment, and RECAP Evaluation.
Williams TravelCenters One Williams Center MD 48-6 Tulsa, OK 74172	Mr. Danny Reutlinger 918-573-4371	Williams No. 7391 3676 Government St Baton Rouge, LA	1997- July 2003 $230,000	Installation of Jet Pump with soil vapor extraction remedial system to include trenching, piping, well retrofitting, backfilling, system placement, system startup, and operation and maintenance. Groundwater sampling and reporting. NFA granted by LDEQ.