

# Charles W. Sprague, P.G.

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## Professional Licenses, Registrations and Appointments

**Licensed Professional Geologist**, License No. TN1385, State of Tennessee.  
**Licensed Professional Geoscientist**, License No. 47, State of Texas  
**Planning and Zoning Commissioner** for the City of Sachse, Texas (2000–2006)

## Employment History

Vice President - Operations, Dougherty Sprague Environmental, Inc. (**dse**), Rowlett, Texas, March 1998 - present.

Senior Hydrogeologist, LCA Environmental, Inc., October 1996 - February 1998.

Project/Senior Hydrogeologist, Law Engineering and Environmental Services, Inc. (LAW) now MACTEC, Dallas, Texas, October 1993 - September 1996.

Hydrogeologist, Fugro-McClelland (Southwest), Inc. now ENSR, Dallas, Texas, December 1992 - October 1993.

Project Geologist, Fugro-McClelland (Southeast), Inc. now ENSR, Harahan, Louisiana, August 1992 - November 1992.

Geologist/Lead/Senior Geologist - Industrial Projects Group, Groundwater Technology, Inc., Mandeville, Louisiana, May 1989 - August 1992.

Development Geologist, Chevron USA, Inc, New Orleans, Louisiana, October 1983 - June 1985.

Chief Development Geologist's Staff, Chevron USA, Inc., New Orleans, Louisiana, March - October 1983.

## Professional Experience

As Vice President - Operations, Mr. Sprague manages company resources and field operations. A respected member of the Environmental community, he is often called upon to provide expert witness testimony and litigation support.

Mr. Sprague has had over 21 years experience conducting and managing Phase I, Phase II and Phase III Environmental Site Assessments, Environmental Audits and remedial actions on residential, commercial, institutional, military, and industrial sites in ten states. These sites were impacted with petroleum hydrocarbons, chlorinated hydrocarbons, pesticides, inorganic chemicals, and heavy metals. He has also specialized in the assessment of dry cleaning facilities during the past ten years.

While working at LAW, Mr. Sprague managed the environmental portion of the City of Dallas' Phase III Underground Storage Tank (UST) Project. He later went on to manage environmental projects for Dallas County's UST Facilities.

### Compliance Audits and Special Projects

Conducted compliance audits for institutional and commercial properties, and participated in several large scale projects of a special nature.

Key projects include:

- Document review for environmental compliance audit for DFW International Airport, Dallas, Texas
- Environmental survey of a former defense manufacturing facility to determine if the building itself would be hazardous waste after being demolished, Rancho Cucamonga, California

Emergency Response Management

Managed personnel as well as participated in field operations in response to catastrophic emergencies in Texas and Florida.

Key projects include:

- Participation in the Shuttle Columbia Recovery Effort. Worked as a Team Leader within the EPA START response team and was responsible for coordinating three search teams with NASA, EPA and BLM personnel, hazard recognition, documentation of Shuttle parts, locations, conditions, and the transportation of these parts to a NASA central collection facility.
- Provided planning and management of teams for cleanup efforts after the Florida hurricanes of 2004.

ESA Phase I

Conducted Phase I ESA's in Texas, Tennessee and California for commercial and industrial properties.

Key projects include:

- Participation in team effort to perform Phase I ESAs on large multi-acre commercial warehouse/manufacturing facilities in San Jose and Compton, California
- Participation in team effort to perform Phase I ESAs on large multi-acre commercial warehouse/manufacturing facilities in Nashville, Tennessee
- Conducted a Phase I ESA on a proposed large retail site of 270 acres in Grapevine, Texas

Phase II Site Assessments

Conducted site investigations for commercial, retail, industrial and institutional sites including pesticides, petroleum hydrocarbon, chlorinated solvents, inorganic chemicals and heavy metal impacts.

Key projects include:

- Multiphase, multi-year site assessment of a large dry cleaner facility in Houston, Texas.
- Large scale multiple site assessment mandated by NOAA in St. Paul Island, Pribilof Islands, Alaska. Multiple soil and rock borings were installed and converted to monitoring wells; aquifer testing and facility audits were also completed for multiple island sites.

Phase III Remediation

Soil vapor extraction, air stripping, natural attenuation and excavation, removal and disposal operations at commercial, industrial, retail and governmental sites

Key projects include:

- Delineation and removal of petroleum solvent, lead-based paint and metals impacted soils at a large former fabrication facility in Houston, Texas
- Recovery trench for a pump to treat system at a former dry cleaner facility in Farmer's Branch, Texas

## Charles W. Sprague, P.G. (continued)

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**Publications and Presentations** Engineering Geology of the Gainesville Urban Area, Alachua County, Florida, MS Thesis, University of Florida, 1983.

“Subsurface Environmental Assessment in Coastal Louisiana,” Association of Engineering Geologists, Spring Meeting, Jackson, Mississippi, March 1990.

“Dry Cleaner Facility and Chlorinated Solvent DNAPL Assessment”, TNRCC Seminar, Austin, Texas, November 2001.

**Education** 1980 - 1983, University of Florida, Gainesville, Florida

**Master of Science**

- Geology

1978 - 1980, University of Florida, Gainesville, Florida

**Bachelor of Science**

- Geology

1974 - 1977, University of Tampa, Tampa, Florida

**Undergraduate Studies**

- Chemistry

**Relevant Continuing Education**

Technical Writing, Shipley Associates, New Orleans, Louisiana, 1984.

Civil Engineering, University of New Orleans, New Orleans, Louisiana, 1987 - 1989.

Geological Engineering, University of Arizona, Tucson, Arizona, 1986 - 1987.

Forty-hour Hazwoper and Supervisor, OSHA 1910.120, and annual eight-hour refreshers, 1989 - present.

Pollution Control and Environmental Regulation, Tulane Environmental Law Clinic, New Orleans, Louisiana, 1992.

Project Management Seminar, Groundwater Technology, Inc., Dallas, Texas, 1992.

Characterizing and Remediating Dense Non-aqueous Phase Liquids at Hazardous Sites Seminar, Environmental Protection Agency, Dallas, Texas, 1993.

Project management Seminar, Young, Clark and Associates, Atlanta, Georgia, 1994.

IBM PC Applications in Ground Water Pollution and Hydrology, National Ground Water Association, Boston, Massachusetts, 1994.

Subsurface Modeling, Environmental Protection Agency (EPA), Ada, Oklahoma, 1995.

Liability and Loss Prevention, Law Engineering and Environmental Services, Inc. (LAW)., Atlanta, Georgia, 1995.

Asbestos Inspector Course, GEBCO Associates, Arlington, Texas, 1995.

Problems of the Technical Manager, Fred Pryor Seminars, Dallas, Texas, 1995.

Advanced Contracts, Law Engineering and Environmental Services, Inc. (LAW), Dallas, Texas, 1995.

NAPLs in the Subsurface, National Ground Water Association, Fort Worth, Texas, 1997.

Screening Modeling for Natural Attenuation with BIOSCREEN, BIOCHLOR, and the NA Tool Kit; National Ground Water Association, Miami, Florida, 2000.

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Aquifer Tests: Operations and Parameter Estimation, National Ground Water Association, San Antonio, Texas, 2001.

Accelerated Bioremediation with Slow Release Electron Donors and Electron Acceptors, Regensis, Dallas, Texas June 2004.

Bloodborne Pathogens, American Safety & Health Institute, January 2004

Accelerating Site Closeout, Improving Performance, and Reducing Costs Through Optimization, Interstate Technology Regulatory Council, Dallas, Texas, June 2004.

American Heart Association Adult CPR, Texas CPR Training, January 2005.

Eight-hour Site Manager and Supervisor Training Course (SHSC), Weston Solutions, October 2006

Eight-hour Hazwoper Refresher, New Environment, Inc., April 2007

IS-00700 National Incident Management System (NIMS) an Introduction, FEMA, May 2007.

IS-00100.b Introduction to the Incident Command System, FEMA, March 2011.

### **Professional Memberships**

Association of Engineering Geologists

Association of Ground Water Scientists and Engineers, National Ground Water Association

Geological Society of America, Engineering Geology and Hydrogeology Divisions

Texas Association of Professional Geoscientists (Past President, 2002-2003)

Society of American Military Engineers (Past Student Post President)