

Paul W. Heidgerd, PG

Professional Licenses and Registrations

Licensed Professional Geoscientist, License No. 39,
Texas Board of Professional Geoscientists

Licensed LPST Project Manager, License No. PM0000020
Texas Commission on Environmental Quality (TCEQ)

Licensed Individual Asbestos Management Planner, License No. 205485
Texas Department of State Health Services (TDSHS)

Hazardous Waste Operations and Emergency Response (HAZWOPER) Trained
(40 Hour), 29 CFR 1910.120(e)

Employment History

Senior Geologist, Dougherty Sprague Environmental, Inc. (**dse**), Rowlett, Texas
October 2001 - Present

Senior Project Manager, Baker Environmental Services, Inc., Garland, Texas
March 1991 - October 2001

Geologist, Transco Exploration Company, Houston, Texas
June 1981 - August 1989

Professional Experience

As a Senior Geologist, Mr. Heidgerd has the responsibility of managing and conducting all phases of Environmental Site Assessments (ESAs) and Audits. In addition, he is responsible for conducting and managing asbestos inspections and preparing asbestos Operation and Maintenance Programs.

Mr. Heidgerd has more than eighteen years experience conducting and managing Phase I, Phase II and Phase III ESAs, Environmental Audits and asbestos inspections. He has extensive experience in the assessment and remediation of leaking underground storage tank facilities and has specialized in the assessment and remediation of dry cleaning facilities and chlorinated solvent impacted sites for the past five years. His primary responsibility is the design and management of geological site assessments. He has been performing low-flow groundwater sampling for more than ten years.

ESA Phase I

Conducted or assisted with more than one hundred Phase I ESAs in Texas on agricultural, commercial and industrial properties as well as undeveloped land.

Key projects include:

- Phase I ESA of former automotive repair facility that identified five Recognized Environmental Conditions (RECs) including underground storage tanks, solvent use/disposal and spills. Designed, managed and documented Phase II of the property that investigated the identified RECs.
- Managed portfolio of fifty Phase I ESAs for a major financial institution. Sites ranged in size from less than one acre to more than 100 acres in a variety of commercial, industrial and vacant properties. Many of the sites had hostile tenants conducting business on the property.

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ESA Phase II

Conducted dry cleaner assessments, chlorinated solvent investigations, LPST assessments, UST removals and compliance audits.

Key projects include:

- Led and managed the **dse** project team conducting outdoor environmental assessment and investigations including extensive sampling of groundwater, surface water and soils. Designed and wrote the sampling plan and QAPP for each site. Coordinated two labs analyzing duplicate samples with Level IV Data Packs. Primary Field Contact for **dse** with EPA OIG Project Manager and their Field Personnel. Conducted on-site inspections of the locations including capped landfills, remediation systems and facility security.
- Managed a Focused Phase II ESA prior to Texas A&M University System's purchase of an urban property. Designed, implemented, analyzed and documented the ESA using a cone penetrometer and laser induced fluorescence tool to rapidly complete the assessment and fully investigate the site. The property was a closed LPST site with significant quantities of hydrocarbon impacted soils and groundwater on-site. The ESA determined the quantity, location and concentration of hydrocarbon impacted soils remaining on the site and estimated the potential costs and need for remedial activities.
- Conducted environmental assessments of multiple dry cleaning sites and prepared and submitted Applications for Ranking for the TCEQ Dry Cleaner Remediation Program (DCRP) resulting in client's acceptance into the program and eventual sale of properties.
- As a subcontractor for a TCEQ DCRP contractor, performed environmental assessments at dry cleaning sites accepted into the DCRP. Supervised installation of soil borings and monitor wells and delineated soil and groundwater plumes at five sites in two cities. Services provided included soil and groundwater sampling, soil boring logging, groundwater monitor well design and installation, surveying, permitting, and geological mapping.

Phase III Remediation

Soil Vapor Extraction (SVE) systems, Pump and Treat systems, Enhanced Monitored Natural Attenuation (EMNA) and Monitored Natural Attenuation (MNA)

Key projects include:

- Designed Plume Management Zone and installed additional groundwater monitor wells located for use as attenuation monitoring points. The former dry cleaning facility had a PCE contaminant plume that extended more than 1000' downgradient of the source.
- Installed and maintained pump and treat system at LPST site with NAPL in a drinking water aquifer. Site had multiple recovery wells and recovered and treated groundwater was re-injected into the aquifer.

Asbestos Inspections

Mr. Heidgerd has performed asbestos inspections for educational, commercial, government and military clients. Asbestos inspections include visually inspecting all reasonably accessible areas to identify locations of suspect ACBMs, visually categorizing suspect asbestos containing materials into homogeneous groups, determining the friability and condition of the materials. Collecting bulk samples of materials from each homogeneous area, submitting the samples for analysis of asbestos content and writing reports of findings.

Recent key projects include:

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- Designed, conducted and documented asbestos inspection of closed oil refinery in remote area of Arkansas for EPA START program. Site covered nearly 80 acres of which 18 were impacted by significant quantities of asbestos. Ten different types of asbestos containing materials were identified with an estimated quantity of 1800 yds³.
- Performed a comprehensive asbestos re-inspection of Veterans' Affairs hospital campus consisting of 13 buildings.

Education

1989 - 1990, Southern Methodist University, Dallas, Texas

Masters of Business Administration

1977 - 1981, The Pennsylvania State University, University Park, Pennsylvania

Bachelor of Science

- Geosciences

Relevant Continuing Education

Inspecting Buildings for Asbestos Containing Materials, University of Texas at Arlington, Center for Environmental Research and Training, October 1991; and annual refreshers

Registered Environmental Property Assessor Course, Oklahoma State University, June 1991, Stillwater, Oklahoma.

Contaminant Fate and Transport Modeling for Risk Assessment, American Petroleum Institute, Austin, Texas, May 1995.

Micropurge Low-Flow Purging and Ground-Water Sampling, Nielsen Environmental Field School, Fort Worth, Texas, April 1997.

Practical Techniques for Cost-Effective Ground-Water Sampling, Nielsen Environmental Field School, Austin, Texas, November 1997.

The Texas Risk Reduction Program, University of Houston, Dallas, Texas, April 2000.

Remediation Technology: Introduction and Theory, Texas Engineering Extension Service, San Antonio, Texas, May 2001.

Asbestos Management Planner Course, Gebco Associates, Hurst, Texas, November 2001; and all annual refreshers.

Forty-hour Hazwoper, OSHA 1910.120, Compliance Solutions Occupational Trainers, Fort Worth, Texas, April 2002; and annual eight hour refreshers.

Mold Awareness, Investigation – Sampling & Assessment and Remediation, Separation Systems Consultants, Houston, Texas, May 2002.

Transitioning the LPST Program to the Texas Risk Reduction Program, Texas Commission on Environmental Quality, Austin, Texas, September 2003.

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

Understanding & Accelerating Groundwater Remediation, Regenesys, Dallas, Texas, June 2004.

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

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

Professional Memberships

Texas Association of Professional Geoscientists, President 1998