

RESUME

KEVIN T. CAREL

PROFESSIONAL REGISTRATION

Licensed Professional Geoscientist in the State of Texas, License Number 960
Licensed Professional Geologist in the State of Mississippi, License Number 0852
Licensed Professional Geoscientist in the State of Louisiana, License Number 605

EDUCATION

Bachelor of Science in Geology. The University of Oklahoma, Norman, Oklahoma;
1986

Continuing Education:

- “Design and Construction of RCRA / CERCLA Final Covers,” USEPA; 1990
- “Clay Liners and Covers for Waste Disposal Sites,” The University of Texas; 1991
- “Safety at Hazardous Materials Sites,” The National Ground Water Association; 1992
- “Design Operation and Closure of Municipal Solid Waste Landfills,” USEPA; 1992
- “Groundwater Statistics and Regulations.” The International Groundwater Modeling Center; 1995
- “Running a Profitable Small Business,” Texas Wesleyan University, 1997
- “Micropurge Low-Flow Purging and Groundwater Sampling,” The Nielsen Environmental Field School, Inc.
- “Fundamentals of Groundwater Geochemistry,” The National Ground Water Association; 1999
- “Applications of Groundwater Geochemistry,” The National Ground Water Association; 1999
- “Applied Ground Water Statistics,” Sanitas Technologies, 2007
- “Long-Term Monitoring Optimization,” USEPA, 2007

PROFESSIONAL EXPERIENCE

1997 to Present

**President,
The Carel Corporation**

The Carel Corporation is an environmental consulting firm that specializes in environmental monitoring projects at waste disposal sites. The firm provides environmental monitoring and hydrogeology related services to numerous waste disposal facilities in a multistate area. As President I am responsible management of a staff of professionals and technicians engaged in environmental, groundwater and solid waste management services. Services include: Expert witness; permitting support; groundwater sampling, statistical analysis of groundwater data and report preparation; preparation of groundwater sampling and analysis plans; preparation of statistical analysis plans; monitor well installation; alternate source demonstrations; investigations concerning the nature and

extent of environmental releases; assessment of corrective measures; groundwater remediation; and air monitoring.

1993 to 1997

**Director of Environmental Management,
Laidlaw Waste Systems, Inc.**

Responsible for engineering and environmental compliance primarily for Laidlaw's Western US facilities. Responsibilities included a variety of managerial and technical issues including: management of a staff of environmental professionals; environmental compliance reviews of landfills; due diligence; landfill permit modifications and new permits; budget support; support of legal issues associated with environmental contamination, coordination of environmental monitoring activities and project management.

1991 to 1993

**Regional Environmental Manager,
Laidlaw Waste Systems Inc.**

Responsible for engineering and environmental compliance for facilities located within the former Sunbelt Region. Responsibilities included a variety of managerial and technical issues including: recruiting, hiring and management of a staff of environmental professionals; environmental compliance reviews of landfills; due diligence; landfill permit modifications and new permits, coordination of environmental monitoring activities and project management.

1989 to 1991

**Assistant Regional Engineer/Geologist,
Laidlaw Waste Systems, Inc.**

Provided support on environmental compliance for facilities located within the former Sunbelt Region. Responsibilities included environmental compliance reviews of landfills; due diligence; support on landfill permit modifications and new permits, coordination of environmental monitoring activities and project management.

1988 to 1989

**Geoscience Systems Analyst,
CONOCO, INC.**

Provided support to a staff of exploration geologists and geophysicist with computer applications in oil and gas exploration. Activities included computer generation of geological and geophysical maps and cross-sections and analysis of potential and remaining oil and gas reserves.

1986 to 1988

**Project Manager / Office Manager,
Wilson E. Nolan, Inc.**

Responsible for a variety of environmental projects associated with solid waste management, sludge management and environmental consulting. Activities included design and installation of monitoring networks for solid waste landfills and sludge application sites, preparation of permit applications for solid waste landfills and sludge management plans, attendance at public hearings and meetings; management of sludge application projects, pilot projects and environmental impact studies.

PROFESSIONAL AFFILIATIONS

National Ground Water Association
Association of Groundwater Scientists and Engineers
American Association of Petroleum Geologists

PUBLICATIONS AND PRESENTATIONS

Carel, Kevin T., "A Low Flow Purging and Sampling Demonstration at Three Solid Waste Landfills in East Texas", Proceeding of the 1996 Options for Texas Conference, pp. 547-557.

Warren Brady, Allendorf, Mark A., Schramm, William H., Carel, Kevin T., and Kerfoot, Henry, 2007. "Geochemical and Hydrologic Characterization to Identify the Source of Low Level Benzene in the Chicot Aquifer Groundwater", Proceeding of the 2007 Louisiana Groundwater Symposium.

Carel, Kevin T., 2014 "Gas Monitoring at Waste Disposal Sites", Oklahoma Department of Environmental Quality Waste Exclusion Training Seminar, January 22, 2014, Oklahoma City, Oklahoma.

Carel, Kevin T., 2014 "Groundwater Monitoring at Waste Disposal Sites", 2014 Texas Annual Public Works Short Course, February 3, 2014, Lewisville, Texas.

Carel, Kevin T., 2015 "Benefits of Alternate Daily Cover", Annual Oklahoma Indian Nations SWANA Conference, March 24, 2015, Tulsa, Oklahoma.

Carel, Kevin T. and O'Brien, Kerri M., 2016 "New Analysis and Rehabilitation Techniques for Damaged Wells", Annual Oklahoma Indian Nations SWANA Conference, May 11, 2016, Tulsa, Oklahoma.