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Kerry Lon Crowley's Resume



Mr. Kerry Lon Crowley, P.G.

Mr. Kerry Lon Crowley, PG.
Professional Geologist, Project Manager, Environmental Protection Specialist
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Professional Geologist, 20 Years

Mr. Kerry Lon Crowley, PG.
Professional Geologist, Project Manager, Environmental Protection Specialist

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Fountain Valley, California 92708
Phone: (714) 839-2595

Political Statement:

I practice continuous improvement. I am doing what I believe in, and that is the continuous improvement of myself, the environment I share, and the lives of those I meet. I believe that we all make a difference, and that our existence is to better the world as a result. Accountability, Stewardship, and Integrity are values I imbue.

Personal Statement:

I hold all my experience to be important to my continuous education. I have worked for major oil and gas corporations in the United States and overseas. Most notable would be Texas Gas Transmission Corporation. My experience there was in exploration, secondary recovery, and regulatory compliance. I served as Well Site Geologist on oil & gas exploration & development in the US, Canada, and Overseas.

I have worked for several environmental engineering firms and my experience in this area is broad and extensive. Most notable of these would be the Columbia South Carolina office of Steffen Robertson & Kirsten, (US), Incorporated. Primarily, I managed projects dealing with soil and groundwater remediation, hazardous and toxic, and in the invasive investigations of those projects. Most all my experience was in the areas covered under federal regulations (CFR) such as RCRA, SARA, CERCLA, TSCA, CWA, Superfund, and the Individual State regulations. I have written RI/ FS, RA, CAP, ESA, Phase I-II-III, Hydro geologic Site Investigations, and many other environmental compliance documents over the past 20 years.

I have diversified knowledge of State and Federal environmental regulations concerning the permitting and operation of Municipal Solid Waste, Construction & Demolition, Industrial Solid Waste and Hazardous Waste landfill sites in South Carolina, Georgia, Arkansas, Tennessee, Kentucky, Michigan and Missouri.

I have vast experience in Technical Report writing on the local and regional geology and hydrology in the Southeastern United States. I have performed innovative computer modeling of confined and unconfined aquifer systems, characteristics, and contaminant transportation. I have made from scratch using CAD, subsurface maps (structural, stratigraphic, isopach) of formations and aquifers under investigation. I am extremely experienced in the interpretation of electrical and geophysical logs. I possess a tremendous amount of expertise in soil and ground water contamination investigations including tracking Chlorinated solvents (DNAPLS) in Karst regions. I have designed and installed a variety of ground water remediation systems including the use of Bioremediation technology.

I have given presentations and written summary reports for executive personnel from my investigations into Federal Energy Regulatory Commission (FERC) document files and the preparation of summary reports highlighting FERC technical questions and concerns about possible environmental hazards associated with underground storage of natural gas. I have been fortunate to

be among the few whom have used state of the art software programs and models to determine the potentiality of underground storage candidates. I have used state of the art software programs and models to track contaminants migrating through heterogeneous and porous stratum and contaminant transportation through aquifers.

I have been a Project Manager on numerous Hydro geologic Site Investigations and reports. I was an Instructor for Midland's Technical College Subtitle D Landfill Manager's & Supervisor's Certification Course.

I am ready and willing to provide my knowledge, skills, and abilities for an environmental engineering company or a government agency. I am willing and able to relocate. I will be an asset to any organization.

Professional Geologist; Project Manager

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Credentials:

BS Geology Austin Peay State University
Registered Professional Geologist
OSHA 40-Hour Hazwoper
EPA 40-Hour Hazardous Waste Inspector
Manager of Landfill Operations

Experience Summary:

I project manage Corrective Action Plans (CAP), Phase I-II-III, Environmental Site Assessments (ESA), Underground Storage Tank (UST) assessments, Facility Inspections, Prioritization Investigations, Solvent Impact Assessments, Remedial Actions and groundwater remediation projects. I represent clients, coordinate with public and private industry, subcontractors, and state regulatory agencies. I design, locate and install wells. I provide OSHA compliance during drilling operations. I develop the sampling protocol and analytical methods to be used. I perform computer modeling of confined and unconfined aquifer systems, characteristics, and fate and contaminant transportation. I manage soil and groundwater contamination investigations including tracking Chlorinated solvents (DNAPLS) in Karst regions. I design and install groundwater remediation systems including Bioremediation technology. I write Technical Reports on the local and regional geology and hydrology in the United States. I make subsurface maps (structural, stratigraphic, isopach) of formations and aquifers under investigation. I interpret electrical and geophysical logs. I use State and Federal environmental regulations to permit and operate Municipal Solid Waste, Construction & Demolition, Industrial Solid Waste, and Hazardous Waste landfill sites. I perform Hydrogeologic Site Investigations for EPA and RCRA compliance and permitting.

Employment History:

03/2003 – 10/2004 EMC, Inc. Main Street, Evansville, Indiana, 47708

Senior Project Manager / Professional Geologist for 3 phase project involving: The Cap and Closure of approximately 22 acres of coal mine tailing waste under RCRA; The delineation and quantification of a 32 acre abandoned multi-use rail yard facility for corrective action measures, coupled with the corrective action plan, to include bioremediation, phyto-remediation, soils augmentation, dig and haul, land farming, and use of contaminated soils in construction of earthen works for the \$50 million Waste Water Treatment Plant in Evansville; and, finally, the Hydrogeologic site investigation for the entire 66.22 acre site in order to mitigate 12 acres of adjacent historical areas as unimpacted.

01/ 2001 - 02/ 2003 Private Consultant, 1000 South Ft. Thomas Ave., Ft. Thomas, Kentucky 41075

Project Manager for Phase I-II, Environmental Site Assessments (ESA), Hydrogeologic Site Investigation Reports, and groundwater remediation projects.

Project Manager for under ground storage tank (UST) assessments, technical reports, selection of remediation technology, permit application & approval, compliance, and safety during operations. This included tank upgrade or excavation, removal from site, sludge disposal, tank transportation to a certified disposal facility, and report submittal for closure.

01/2000 - 12/2000 Tennessee Department of Environment & Conservation, Nashville, TN 37243

Project Manager for 50% of Superfund sites in the State of Tennessee in the DCERP program. Managed all areas of projects from inception into the program, Facility Inspection, Prioritization Investigation, Solvent Impact Assessment, Remedial Action, to issuance of No Further Action letter. Approved all contractor Work Plans, Cost Estimates, Invoices, and performed considerable oversight of the project direction and methodology. Worked directly with State legislature to propose new regulations.

01/1999 - 12/1999 Arkansas Department of Health, Little Rock, AR 72205

Project Geologist on numerous Arkansas Department of Health Hydrogeologic Site Investigations and reports for use in determining compliance with the Environmental Protection Agency (EPA) Source Water Protection Program, Wellhead Protection Program, Surface Water Treatment Rule, within the EPA's Clean Water Act regulations. Used GPS equipment, Arc View / Arc Info, GIS software, and access spreadsheets to locate, document, and identify for mapping, the Public, Industrial, and Private drinking water sources, and the Primary Sources of Contamination (PSOC) in Arkansas. Worked with surrounding states (MO, OK, TX, LA, MS, TN) on the implementation and compliance efforts mandated in the federal regulatory guidelines of the Source Protection Program. Coordinated with United States Geological Survey (USGS), the Center for Advanced Spatial Technology (CAST), the University of Arkansas, Fayetteville (UAF), and the various State Departments and Commissions in Arkansas, on developing, submitting, and implementing Arkansas proposed Source Protection Program to the EPA.

03/1993 - 12/1998 Steffen Robertson and Kirsten, (US), Inc., (SRK), Columbia, SC 29206

General Manager, Field Operations. Provided client representation, coordination with public and private industry, subcontractors, and state regulatory agencies for permitting and compliance during onsite drilling operations. Managed invasive aspects of operation to include Hydrogeologic research, documentation, drilling operations, well design, location and installation, sampling protocol, analytical methods, computer modeling of aquifer characteristics, report writing, and final report submittal to state regulatory agency for approval. Acted as a liaison between clients and state authorities to insure regulatory compliance and safety during operations.

Project Manager for Corrective Action Plans (CAP) detailing soil and ground water remediation procedures. Activities included drilling operations, well design, location and installation, sampling & analysis methodology, computer modeling of contaminant transportation through confined and unconfined aquifer systems. Selection of appropriate ground water remedial technologies including free product recovery, air stripping, air sparging, vapor extraction, carbon absorption, ion exchange, Bioremediation and natural attenuation.

Project Geologist for Facility Investigation involving a Federal Government Hazardous Waste Storage Site. Project involved the sites compliance with the Environmental Protection Agency (EPA), Superfund Act (SARA), Resource Conservation and Recovery Act (RCRA), Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), and Department of Health and Environmental Control (DHEC) regulations. Activities included: investigation into the site history, alleged violations, contaminant sources, responsible parties, environmental impact, remediation procedures, documentation, report preparation and submittal.

Project Geologist for project involving the injection of a non-indigenous hydrocarbon degrading bacteria (H-10) into a BTEX contaminant plume located in South Carolina and qualified in the SUPERB Fund. Responsibilities included: aquifer characterization using computer-modeling techniques to establish the potential effects of injection to the environment, investigations into the toxicology of the bacteria to be used, dialogue with various State Agencies, Oil and Gas Association representatives and associated University Research Professionals currently using Bio-remediation technologies.

Instructor for South Carolina Department of Health and Environmental Control Midlands Technical College Subtitle D Landfill Managers & Supervisors Certification Course.

09/1991 - 02/1993 South Carolina Electric & Gas Company, 545 Bultman Drive, Sumter, SC 29150,

Hydrologist. Computer modeling of aquifers containing chlorinated solvents and hazardous and toxic wastes. Used MOD Flow3, HEC 3D, Omega 10, MOC 3D, Dominico, and others.

08/1986 - 08/1991 Texas Gas Transmission Corporation, Inc., Owensboro, KY 42301

Well Site Geologist responsible for conducting geological and geophysical

exploration in the following locations: Black Warrior, Permian, Michigan, Illinois, Anadarko, Arkoma, and Williston Basins, the Louisiana Salt Domes, Alberta Gas Sands, and the Kentucky Gas Sands.

Research Scientist involved with EPRI experiments with aquifer blow down for peak shaving and continuous Local Distribution Center (LDC) baseline operations at a 70% turbine output.

1984 -1988 Contract / Consulting Petroleum Geologist USA

All projects under my supervision were 100% correct.

Awards and Honors:

Silver Star; Bronze Star; Combat Infantry Badge; Special Forces Tab; Army Commendation Medal; Army Achievement Award; Airborne Badge; Aircraft Crew Member Badge; Air Assault Badge; 1981 Tennessee Army National Guard State Automatic Rifle Champion; 1992 Winston P. Wilson National Match Championships, Army National Guard, Infantry Trophy Match, Silver Medal; 1992 Winston P. Wilson National Match Championships, Army National Guard, Excellence in Competition, Bronze Medal; Gold and Bronze National Rifle Association (NRA) High Power Rifle Medals; Presidential Citation; National Defense Ribbon; Overseas Ribbon; Expeditionary Ribbon; Palmetto State Ribbon; Volunteer Ribbon; Honor Roll; Presidents List; Deans List; 1985 Who's Who in the South - Southeast.

References are available upon request

Geology Information

[American Geological Society](#)
[American Association of Petroleum Geologists](#)
[United States Geological Survey](#)

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