



John Bognar, a Registered Geologist in the State of Missouri, a Professional Licensed Geologist in Illinois, Certified Professional Geologist by the American Institute of Professional Geologists (AIPG), is in his 29th year as a professional geologist characterizing the subsurface and fluid flow occurring within earth materials. This experience includes many types of geological characterization projects, water supply development and protection, landfill site evaluations, evaluation of mineral resources, nuclear disposal facility permitting and contamination remedy, solid waste permitting, dam sites evaluation, remediation of spilled solvents and hydrocarbons and a host of related regulatory compliance issues.

Mr. Bognar is active in the professional geologic community as a member of AIPG. Current National President Elect, Past National Treasurer, Past National Secretary, Past President of AIPG - MO and has been recognized for his role and leadership in the professional community in Missouri to write and obtain passage of the Geologist Registration Act of 1994.

Mr. Bognar is the Chairman of the Missouri Board of Registered Geologists.

Mr. Bognar has served the Missouri Attorney General and the Missouri Geologist Registration Board and ultimately the Health, Safety and Welfare of Missouri Citizens by providing expert opinion in cases relating to the unqualified practice of geology in Missouri.

EDUCATION

B.S., Geology, Missouri State University, 1979, Springfield, Missouri

REGISTRATION

Certified Professional Geologist by the American Institute of Professional Geologists #8341

Registered Geologist in the State of Missouri #0007

Licensed Professional Geologist in the State of Illinois #175

Missouri Well Drillers and Pump Installers Permit #002845M

TECHNICAL SOCIETIES

American Institute of Professional Geologists – Current President Elect, National Treasurer 2005, 2006; President Missouri Section 1995, National Secretary, 1998, 1999; Chairman Legislative Committee 1996, Candidate for Treasurer, National AIPG 1996

National Ground Water Association

American Water Works Association

Association of Missouri Geologists

HONORS AND AWARDS

Presidential Certificate of Merit Award, 1994, American Institute of Professional Geologists, for a successful leadership role in creating and obtaining passage of the Geologist Registration Act in the State of Missouri

Appointed by Missouri Governor Matt Blunt to the Missouri Board of Registered Geologists in 2004

SUMMARY OF PROFESSIONAL EXPERIENCE

2003 to present:

Senior Associate and Office Manager with Leggette, Brashears & Graham, Inc. St. Louis, Missouri

1998 to 2002:

Associate and Office Manager with Leggette, Brashears & Graham, Inc. St. Louis, Missouri

1996 to 1998:

President of Gateway Environmental Associates (Hydrogeologist), St. Louis, Missouri

1994 to 1996:

Senior Hydrogeologist at Foth & Van Dyke and Associates, Inc., St. Louis, Missouri

1988 to 1994:

Senior Environmental Hydrogeologist at Jacobs Engineering Group, Weldon Spring, Missouri

1986 to 1988:

Manager of Geologic Sciences at Sitex Corporation, St. Louis, Missouri

1985 to 1986:

Senior Exploration Geologist at Kerr-McGee Oil Corporation, Houston, Texas

1981 to 1985:

Exploration Geologist/Geophysicist at Texoma Production Company, Houston, Texas

1979 to 1981:

Exploration Geologist at Eason Oil Company, Houston, Texas

SPECIFIC EXPERIENCE IN GROUND-WATER

Genevieve County, Mo Holcim (US) Inc. Lee Island Project Ste.

PERMITTING FOR CEMENT PLANT AND QUARRY

The cement plant facilities for this \$600 million project, began construction in 2006, is located on approximately 90 acres of a 3,900 acre site owned by Holcim (US) Inc. on the west bank of the Mississippi River, 45 miles south of St. Louis in Ste. Genevieve County, Missouri. Transportation facilities include a harbor for barge loading and unloading, rail, and highway access.

Initial due-diligence measures determined the potential for catastrophic ground-water inundation in the proposed quarry when it is eventually advanced below the elevation of the Mississippi River. A comprehensive ground water and geologic characterization of the project property and surrounding area was carried out and, on a preliminary basis the options for water supply were identified. Site specific investigations and evaluation required to address land and water environmental regulations, and water supply options, for the project required significant engineering design, permitting efforts, studies in hydrogeology and cost estimating efforts over the past five years.

The construction of a harbor facility on the Mississippi River, with the resulting disturbance of approximately 14 acres of jurisdictional wetlands, required engineering, geologic, and hydrogeologic data to support a Clean Water Act 404 Permit Application for the U.S. Army Corps of Engineers. Next, a site-specific National Pollutant Discharge Elimination System (NPDES) permit application was prepared for, and approved by, the Missouri Department of Natural Resources to allow the discharge of storm water runoff from areas associated with construction and operation of the cement plant, harbor and quarry.

An evaluation was done of the options for disposing of approximately 1.8 million cubic yards of earth material to be generated by construction of the harbor. The chosen option was to transport the earth material to a small valley on the property. Dry materials were trucked to the north branch of the valley. Wet materials, dredged from below the groundwater level, were transported in a pipe as slurry to the south branch of the valley. The solution to the challenge of disposal of the slurry was to build a dam across the valley to create storage volume in which to place the slurry. The dam is 131 feet high and 880 feet long at the top and is the second tallest privately owned dam in Missouri.

The achieved goal of water supply is adequate quality and sustainable yield, without negative influence to other ground-water users. The option pursued is to obtain water from a two onsite, 1500 foot-deep bedrock wells.

Weldon Spring, Missouri - Ground-Water Monitoring Network Design

Produced geologic data and documents to support the design of a complex ground-water monitoring well network with more than 120 monitoring locations in glacial, alluvial and fractured limestone aquifers.

Dexter, Warrensburg & Poplar Bluff, Missouri – Statistical Evaluation of Ground-Water Quality Data and Routine Ground-Water Monitoring

Wrote Statistical Evaluation Plans and Ground-Water Monitoring Plans for a major solid waste firm's three landfills in Missouri. These plans have been executed and overseen for several years – the objectives are in compliance with Missouri's Solid Waste and Water Laws.

SPECIFIC EXPERIENCE IN GROUND-WATER (continued)

Weldon Spring, Missouri - Aquifer Characterization

Performed step draw-down tests, aquifer pumping tests, slug tests and tracer tests on aquifers consisting of fractured limestone, glacial and alluvial depositional environments.

Various States - Ground-Water Monitoring Plan

Composed and actuated comprehensive groundwater sampling plans specifying methodology, sampling frequency, parameter type, quality assurance and quality control measures and standard operating procedures. The scope of work ranged from one well to more than 100 wells.

Weldon Spring, Missouri - Ground-Water Flow and Contaminant Transport Modeling

Provided geologic data for mathematical models to solve ground-water flow and contaminant transport using a finite element, three-dimensional groundwater flow and transport code. Personal computer ground-water modeling skills include modeling with PC codes such as Flownet, U.S. EPA Wellhead Protection Areas, Flowpath, Groundwater Path, Aqtesolv and others.

Various Cities and States - Field Experience

Supervised field technical personnel on many subsurface drilling investigations and ground-water monitoring well installations.

Benton, Illinois – Statistical Evaluation of Ground-Water Data and Five Year Post Closure Ground-Water Monitoring

Provided closure period management of private landfill in Illinois. The project included ground-water quality analysis, ground-water flow mapping and statistical evaluation of ground-water quality data to understand the impact, if any the landfill may have on native ground-water quality.

Weldon Spring, Missouri - Superfund Remedial Action Project

Provided geologic supervision and administration of a long term, multi-site \$1-million ground-water investigation work package for a Department of Energy remedial action project. The work included characterizing regional geology, ground-water quality and contamination including chemical and radiological parameters. This work was formalized as a remedial investigation/feasibility study document, which included a complete suite of geologic/hydrogeologic maps and cross-sections.

Weldon Spring, Missouri, - Ground-Water Classification

Classified ground water at several sites by organizing and collected data in accordance with EPA Ground-Water Classification protocol.

Missouri and Illinois - Underground Storage Tank Investigations

Administered environmental studies characterizing ground water and soil at underground storage tank sites. These projects included management of costs, procurement as well as management of drilling laboratory subcontractors, supervision of field activities, documentation of hydrogeologic conditions and preparation of technical data reports.

SPECIFIC EXPERIENCE IN GROUND-WATER (continued)

Hematite, Missouri - Groundwater / Soil Radionuclide Contamination Characterization

By installing and sampling several temporary piezometers and tying them to an existing ground-water monitoring well network, a detailed ground-water contamination map was created to characterize a radioactive plume and determine its potential effects on the ground-water environment. The work was culminated into a detailed report for the client, the Missouri Department of Natural Resources and the Nuclear Regulatory Commission.

Barry, Illinois - Ground-Water Investigation

Performed a soil and groundwater contamination characterization at an explosives manufacturing facility. Acted on behalf of the client in responding to rigorous Illinois EPA comments regarding the study, to diminish the scope of work proposed by IEPA.

Bloomfield, Missouri - Water Supply Well Abandonment

Fearing that continuing production of water from the plant's supply well would cause an aquifer to become contaminated, the well was successfully and legally abandoned. The water supply well was located within a soil contamination plume. Oversight of the water supply contractor and interaction with Missouri's Department of Natural Resources Well Head Protection Division was provided.

Branson, Missouri - Groundwater Assessment of Landfills

Managed a staff of technicians, hydrogeologists and statisticians to create a ground-water quality statistical assessment of a solid waste landfill facility.

Hematite, Missouri - Conceptual Groundwater Flow Analysis

Created a detailed conceptual geologic and hydrogeologic cross section and hydrogeologic report for a nuclear fuel rod assembly plant. The project demonstrated to the Nuclear Regulatory Commission auditors how on-site waste storage was being accomplished and its potential impact to the ground water.

McCook, Nebraska - TCE Contamination Hydrogeologic Study

Managed a project to study the contaminant hydrogeology at an automotive parts manufacturing facility. This project included a multi-phased geochemical soils study, a ground-water monitoring well installation program, groundwater quality monitoring and extensive geologic and geochemical mapping to define TCE contamination.

Hematite, Missouri – RI/FS Work Plan

Prepared a comprehensive, complex and formal RI/FS Work Plan to investigate and solve radiological and RCRA type contamination in soil and ground water.

Jefferson County, Missouri - Private Domestic Well Contamination

Conducted a detailed hydrogeologic investigation to determine the nature and extent of VOCs and radiological contaminants found in several private domestic wells. The findings of this study were employed to analyze and find the proper water supply alternatives.

SPECIFIC EXPERIENCE IN GROUND-WATER (continued)

Jefferson County, Missouri – Multi-Phase Extraction Test

Managed a team of engineers and geologists to install a ground-water extraction well network and conduct an aquifer test to determine the ability of an MPE system to feasibly provide remediation up to regulatory standards. The results of the test showed the client and regulators, other alternatives would be required to achieve compliance.

Ste. Genevieve County, Missouri – Hydrogeologic Investigation

Managed and actively participated in a series of tasks to characterize the geology and hydrogeology of a 4,000-acre parcel. Work included installation of piezometers, coring, geophysical logging, video logging and drawing multiple geologic based potentiometric maps and geologic cross sections. The data and work products were used initially to determine project feasibility relating to water supply and catastrophic inundation of an excavated quarry. Later as the project evolved to the permitting phase, additional data was acquired and used to support permit applications relevant to the CWA, Missouri's WPCP and Land Reclamation Program among others.

Cuba, Missouri – Ground-Water Monitor Well Network

Designed and supervised the installation of ground-water monitor wells for a Subtitle D landfill. As a part of the work, also installed low flow dedicated pump sampling system and trained the owner's staff on how to conduct sampling.

Hematite, Missouri - Ground Water Monitoring Well Audit & Maintenance

Auditing the plant's existing network of ground-water monitoring wells, several compliance issues with Missouri well construction code were identified. A scope of work was written and a subcontract with a reputable and economical drilling crew was established. The work, which included issues from simple maintenance to ground-water monitoring well abandonment and replacement, was executed. The work was documented in a comprehensive report. The network of wells is now in full compliance. The well network withstood a surprise inspection visit by the Missouri Department of Natural Resources, Well Head Protection Unit, without a single violation being noted.

Bloomsdale, Missouri – Geologic / Hydrogeologic Characterization of 4000 Acre Property to locate a cement plant and quarry

Mapped the structural and stratigraphic geology, developed the water supply – alluvial and bedrock tests, determine catastrophic flooding potential of the proposed quarry, supported land reclamation objectives, mapped springs and seeps, mapped ground-water surfaces, dam site geologic characterization, and mapped the geology of alluvial bodies.

Clarksville, Missouri – Wetlands and Geologic / Hydrogeologic Characterization for the Horizontal Expansion of a Quarry

Mapped the stratigraphic sequence and hydrogeology to engineer and site a dam required to re-route storm water around a planned quarry expansion. Supervised studies and alternative development to comply with the Clean Water Act section 404 to identify and mitigate for the

loss of jurisdictional streams and wetlands.

SPECIFIC EXPERIENCE IN PROFESSIONAL TESTIMONY AND LITIGATION SUPPORT

Jefferson City, Missouri – Attorney General

A corporation and an individual were charged with practicing geology in Missouri without a license or qualification. The Board of Registered Geologists recommended to the Attorney General's office that Mr. Bognar provide assistance in their cases. Mr. Bognar explained to the AG's staff those efforts which constitute geologic practice. The AG found these parties not in compliance with the Geologist Registration Act.

Jefferson City, Missouri - Missouri Legislature

On several occasions provided testimony to various Missouri State Senate and House of Representatives Committees on topics relating to science of geology and the practice of geology.

St. Clair, Missouri - Ground-Water Contamination

The defendant, a major oil company was accused by a neighbor of contaminating ground water on the neighbor's property. Mr. Bognar gathered public and private data to show the neighbor had no valid evidence to support the claim. When confronted with the oil company's position developed with Mr. Bognar's support regarding the geology and hydrogeology, the plaintiff dropped the suit.

St. Louis County, Missouri – Cost Appropriation and Containment

The client (big 3 auto maker) was asked to reimburse a third party for its geologic characterization costs related to a spill caused by a tenant on their property. Mr. Bognar guided the client's attorney in preparation for and during deposition. The client was able to show that the third party characterization was not prepared to professional geologic standards and the work was exceedingly over-scoped.

Ste. Genevieve County, Missouri – Land Reclamation Hearing Support and Testimony

Created a number of geologic and hydrogeologic cross-sections and maps to assist an attorney regarding ground-water flow and potential contamination voiced as a part of a Land Reclamation Permit Application Hearing for a proposed quarry in east central Missouri. Questions originated from concerned citizens, organized environmental actions groups and regulators in Missouri. Provided professional testimony including cross-examination at the hearing, resulting in the client eventually obtaining the sought out permit.

Perry County, Illinois – Landfill Siting

Provided expert witness testimony relating to geologic and hydrogeologic issues for a private landfill developer in the process of permitting a landfill. The county pollution control board heard the testimony at the environmental hearing. The testimony served to gain the board's unanimous approval of the landfill site. The siting was strongly opposed by legal representatives of an environmental action group.

SPECIFIC EXPERIENCE IN PROFESSIONAL TESTIMONY AND LITIGATION SUPPORT (continued)

Sauget, Illinois – Monsanto v Marchem, et. al Expert Report

Prepared an expert report on selected elements of the hydrogeology and contaminated ground water and soil at the former Clayton Chemical Facility in Sauget, Illinois. Marchem a company who employed Clayton Chemical to re-cycle their solvents was accused by Monsanto of contributing certain chemicals to the contamination at Sauget Area 2 Superfund Site. The expert (geology and hydrogeology) report demonstrated there was no proof of Monsanto's allegation regarding Marchem and that Monsanto's experts failed to report on significant hydrogeologic features that impacted the ground-water flow at the site.(October 2004) Civil Action NO. 02-428-MJR (Southern District of Illinois)

Sauget, Illinois – Monsanto v Marchem, et. al Deposition

Monsanto's and other's attorneys deposed Bognar a witness for the defense attorney regarding the aforementioned Expert Report. The plaintiff's attorney's placed emphasis on a failed attempt to make invalid a finding, that a ground-water mound in the vicinity of the Clayton Chemical is a feature that impacts the ground-water flow.

Cape Girardeau, Missouri – Sinkhole Collapse (BNSF v. Lone Star Industries)

In the late 1990's a train derailment caused personal injury to railroad workers. The train was thought to have derailed due to a sinkhole beneath the track, causing an unstable situation. The railroad hired firms to fill the collapsed area. A few years later, a quarry, which has been operating for decades adjacent to the track where the collapse occurred, developed a large ground-water leak. The owners of the quarry believe the railroad's repair work to the sinkhole is the root cause of a leak in the quarry. Given the extreme complexity of the geology, Mr. Bognar was hired by the attorneys representing the railroad to evaluate the geology and hydrogeology of the setting.

Hartford, Illinois – Gasoline, Diesel Fuel and Hydrocarbon Distillates – Expert Reports and Technical Analysis of Data for Attorneys

Over many decades, spills from a number of pipelines and from oil refineries created a thick and laterally extensive plume of hydrocarbons beneath the north end of the Village of Hartford. There have been fires and hydrocarbon vapors intruding in homes attributed to the plume. Mr. Bognar and the staff he manages assimilated the voluminous data set to create an understanding of the geology and hydraulic transport of the contaminants. Bognar also worked with forensic geochemists to attribute certain spills to certain parties. These data and interpretations were used by the attorneys to receive a settlement from oil companies to be paid to selected residents of Hartford.

SPECIFIC EXPERIENCE IN RCRA SUBTITLE D LANDFILLS

Cuba, Missouri – Landfill Horizontal Expansion

Managed a staff of hydrogeologists to expand the landfill into an area which has geologic features, regulators and concerned citizen originally said were detrimental to landfill expansion because the environment would be impacted. The landfill expansion was granted based on the highly complex geological characterization proving critics wrong.

Branson, Missouri - Landfill Closure and Post-Closure Care Plan

Managed a staff of engineers, geologists and computer design personnel in a successful effort to create a Closure/Post Closure Care Plan for a sanitary landfill.

Eastern Missouri - Landfill Expansion Analysis

This study concluded that, there were no geologic fatal flaws to prevent expansion of the facility. However, the geology was sufficiently complex and therefore expensive to characterize. Compared to the revenues the landfill could generate by expanding, the characterization costs became the expansion's fatal flaw.

Branson, Missouri - Landfill Gas System Design

Performed geometric analysis of the waste body of a regional solid waste landfill facility which was used to design a passive landfill gas extraction system.

Reeds Spring, Missouri - Technical and Economic Feasibility Study of Landfill Gas to Energy

Managed a staff of engineers and technicians to determine the technical and economic feasibility of extracting landfill gas from a solid waste landfill, transporting the gas by pipeline and burning in a gas-fired boiler. The project developed several scenarios to provide the gas either directly, or in other forms of energy, to a large school district.

Branson, Missouri - Landfill Closure Management - Managed the construction and documentation of a consent-decree ordered landfill closure. The actions required included specific final cover design and construction, gas management, ground water analysis, and financial assurance instrument determination.

Maryland Heights, Missouri - Soil Gas, Methane Study for Property Development

Conducted a soil gas survey which included installing several soil vapor gas probes on a parcel of land, adjacent to a closed landfill. The client wished to purchase the property for development, but feared the possible presence of methane gas. The assessment was complete and definitive. The client was advised that there was no gas present in the subsurface.

Branson, Missouri -Gas Well Installation

Supervised the installation of gas production wells and a vent trench in a solid waste landfill facility.

SPECIFIC EXPERIENCE IN RCRA SUBTITLE D LANDFILLS (continued)

Dexter, Missouri - Transfer Station C NPDES Permit

Managed the application and compliance of NPDES storm –water permit for a solid waste transfer station.

Branson, Missouri - Soil Gas, Methane Potential Public Safety Issue

Landfill gas was detected migrating in the subsurface from a solid waste facility to a nearby mobile home development. Working with the MDNR, managed a staff of technicians to quickly monitor the atmosphere beneath each mobile home and install a system of soil gas vapor probes to delineate the extent of gas migration. With data obtained from those probes, the situation was downgraded from a potential emergency to a response which requires only routine monitoring.

OTHER RELATED EXPERIENCE

St. Peters, Missouri – Geoscience Symposium

Conceived, directed and managed a geosciences symposium and geologic field trip to convey results of a voluminous geologic remedial investigation and feasibility study at a Superfund Site. The 300 plus attendees included the public, EPA, MDNR, concerned citizens groups, university faculty and other members of the scientific and technical community.

St. Louis, Missouri – Environmental Insurance Claims

One of the nation's oldest and largest insurance companies required geologic/environmental assistance to guide their legal staff to determine validity of a claim made, on a complex multi-property, multi-owned set of spills. Mr. Bognar directed and provided supervision of the staff to assemble the voluminous data set in a systemic organized manner. The results and interpretation of data allowed the insurance company to determine the valid and the non-valid nature of the claim.

Carthage, Missouri - Storm Water Pollution Prevention Plan

Prepared and wrote a SWPPP for a large food processing facility. The project included a detailed storm water flow analyses and facility operation review to obtain compliance with a Missouri storm water permit.

Cape Girardeau, Missouri - Spill Prevention Control and Countermeasures Plan

Prepared a SPCC for a carpet pad manufacturer, who found after an EPA audit that their plant was required to have this plan in place. The SPCC was produced in accordance with the guidelines and provisions of the Federal Water Pollution Act.

Wood River, Illinois - Waste Wood to Energy Facility Siting

Performed oversight and review for a local government agency of the regulatory requirements and the geologic assessment of a potential wood waste to energy facility.

OTHER RELATED EXPERIENCE (continued)

St. Louis, Missouri - Soil Vapor Extraction

A real estate development company was in the process of constructing a new medical office when excavators unearthed gasoline-contaminated soil in the building's footprint. There was a closed gasoline station nearby. The excavators legally removed and disposed of the petroleum-contaminated soil. A recommendation was made to the developer which proved to save thousands of dollars and prevented a safety problem from occurring. The recommendation was to install perforated PVC pipe in the sub-slab gravel bed. In the event that gasoline odors would enter the building it could easily be remedied. The PVC pipe installation cost less than \$500.00. When gasoline odors did enter the building, the situation was remedied within hours by installing a vacuum blower to the PVC pipes already in place.

St. Louis, Missouri - Hazardous Waste Removal

Conducted a Phase I Environmental Site Assessment for the prospective buyers of a large deserted hotel. Hazardous waste was found in the building and noted in the report. Acting on behalf of the prospective buyer's agent, a hazardous waste removal crew was organized to find, identify, classify and remove the containerized material (much of which was hazardous waste) offsite in a safe and legal manner. The client was provided with a report which documented that the wastes and other materials were properly removed.

St. Louis, Missouri - Environmental Site Assessment

Managed and wrote a Phase I and Phase II environmental site assessment of an abandoned solid waste utilization facility owned by a major electric utility company. The work included extensive record research, subsurface geochemical and geological characterization.

Hematite, Missouri - Radioactive Soil Volume Determination

Determined the volume of geologic material surrounding mixed waste lagoons contaminated by past disposal practices. The characterization included boring into the surrounding soils using direct-push technology, logging the geologic materials and creating a report which allowed our client to better determine remedial action alternatives.

Bloomfield, Missouri - Environmental Geologic / Assessment of Waste Slurry Pond

Provided client with geologic expertise while the Missouri Department of Natural Resources-Division of Geology and Land Survey audited the plant's slurry ponds for potential violation of the Clean Water Act. Knowledge of the site' geology, the plant operation and the Clean Water Act enabled the client to avoid potential notices-of-violation.

St. Louis County, Missouri – Property Transfer, No Further Action

Managed a project which formerly housed a leaking under ground storage tank. The property was leased to a tenant whom wanted to buy the property to conduct business, but would not buy until the property had environmental clearance from the regulatory authorities. Mr. Bognar negotiated a risked based closure plan with MDNR and the owner. Once four quarters of monitoring were accomplished the owner obtained a "No Further Action" letter from MDNR which was the catalyst for the property sale.

**PRIME AND/OR CONTRIBUTING WRITER OF THESE SELECTED
GEOLOGIC / HYDROGEOLOGIC REPORTS**

"The Phase II Groundwater Quality Assessment of the WSS," August 1989, U.S. Department of Energy's Public Information Systems Document

"Annual Environmental Monitoring Report, 1989," November 1990, U.S. Department of Energy's Public Information Systems Document

"The Groundwater Classification Document," April 1990, U.S. Department of Energy's Public Information Systems Document

"Aquifer Characteristics Data Report," November 1990, U.S. Department of Energy's Public Information Systems Document

"Characterization of the Material Staging Area," August 1990, U.S. Department of Energy's Public Information Systems Document

"Suitability of the WSS for Potential Location of a Disposal Facility," February 1991, U.S. Department of Energy's Public Information Systems Document

"Permeability of the Multi-Layer Overburden System," February 1991, U.S. Department of Energy's Public Information Systems Document

"Proceedings of the Geosciences Workshop," February 21, 1991, U.S. Department of Energy's Public Information Systems Document

"Initial Assessment of the Effect of Drought Conditions on Contaminant Migration from the Weldon Spring Quarry," November 1988, U.S. Department of Energy's Public Information Systems Document

"Interim Hydrogeologic Investigation to Support the Engineering Evaluation and Cost Analysis for Response Actions for Off-Site Ground-Water Quality Impacts," October 14, 2002, Private Client Report

"Hydrogeologic Investigation, Lee Island Project, Ste. Genevieve County, Missouri," February 15, 2000, Private Client Report

"Environmental Investigation to Determine the Source of Technetium-99 in Groundwater Monitoring Wells 17 and 17B," September 1996, Private Client Report

"Regional and Local Geologic Summary at the Combustion Engineering, Hematite, Missouri Plant," May 30, 1997, Private Client Report

"Focused Environmental Site Investigation Report," July 31, 2000, Private Client Report

"Geochemical Analysis of Ground-Water and Soil at the Lee Island Alluvial Body," April 27, 2001, Private Client Report