

# **TODD R. GERBER, LSRP**

## **EXECUTIVE VICE PRESIDENT**

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### **EDUCATION**

M.S. Environmental Science Rutgers University	1992
B.A. Geology Rutgers University	1987

### **REGISTRATION AND CERTIFICATION**

Professional Geologist, Tennessee	No. TN 1416
Certified by NJDEP as a Temporary Licensed Site Remediation Professional (LSRP)	LSRP #509382
Completed 40 Hour OSHA Training Course and Annual Updates	

### **RESPONSIBILITY AND EXPERIENCE, WHITMAN**

Mr. Gerber joined Whitman in 1987. As Executive Vice President, Mr. Gerber is responsible for internal management of the senior staff and handles the day to day financial management of the company. He maintains direct oversight of the Environmental, Engineering, Construction/Remediation, Planning/Development and Corporate Divisions. Mr. Gerber is responsible for all company operations as well as staff development, ensuring that all skill sets necessary for the company are represented. As Principal, Mr. Gerber has fiduciary responsibility, while keeping the health and legal liability of the company at heart. In addition, he offers a financial and business approach to his, in addition to technical, providing clients with cost-effective solutions.

As a Temporary Licensed Site Remediation Professional (LSRP), Mr. Gerber is responsible for the final review of all of the company's LSRPs and also takes a leading role in the direct management high profile and complex remediation projects. Responsibilities in this area include extensive client/NJDEP contact and negotiation and oversight for soil and ground water investigation and remediation. Oversight is also provided in remedial design involving conventional methods and innovative technologies.

Mr. Gerber is also responsible for the management of all field operations, including subcontractor contracting and liaison and assists the staff in the proposal process and implementation of investigation and remediation activities.

Mr. Gerber works closely with attorneys, real estate developers, insurance companies and commercial property owners, as well as representatives of state, local and municipal authorities as it relates to environmental and engineering issues.

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Mr. Gerber is currently the LSRP of Record for 20 sites. His current LSRP projects include:

Commercial property in Bergen County, New Jersey where contamination from a former gasoline service station was discovered in a corner of the now developed parcel. Remedial efforts will involve a Multi Phase Recovery System using a high vacuum to remove and treat ground water and soil vapor to avoid major disruption to the current operating business and property improvements.

An industrial property in Paterson, New Jersey with extensive soil and ground water contamination in both upper overburden and bedrock aquifers. The findings of a detailed ground water investigation will enable Whitman to significantly reduce the remedial ground water remediation on-site. The source of contamination is primarily in soils present beneath the footprint of existing building. Soil Vapor Extraction with air sparging and possible in-situ chemical oxidation will be utilized as the remedial effort at this site.

A commercial property in Summit, New Jersey that has soil, ground water and indoor air issues due to releases from hydraulic lifts in a garage/repair portion of the facility. Mr. Gerber was retained to complete the project following the recommendation of an advisor to a major insurance company, responsible for paying for the cleanup, due to lack of performance by former consultant and the proactive, cooperative approach provided by Mr. Gerber / Whitman Team.

A former Steel Manufacturing facility. The site involves a fractured bedrock aquifer in the Passaic Formation contaminated with very high concentrations of chlorinated solvents. Activities include the installation and testing of numerous wells and operation of a 10 million gallon/year pump and treatment system. Treated water is pumped to an upgradient 500,000 gallon lagoon, which overlies the source area. The lagoon increases recovery by displacing DNAPL droplets from the underlying bedrock fractures. Future activities will involve enhancing the physical treatment with the introduction of contaminant degraders, such as zero-valent iron, to decrease both costs and the length of the remedial effort.

Other projects completed under the direction of Mr. Gerber include:

Completed a ground water remediation project at a gasoline service station in the Newark Basin, which involved a 3,000-gallon gasoline spill. Under Mr. Gerber's direction, this site was remediated by a combined soil vapor extraction and pump-and-treat system.

Completed investigation activities and is currently managing the evaluation of various remedial alternatives at a former specialty pipe manufacturing facility. Previous activities included extensive in-well testing for on and off-site wells in conjunction with a 3-month pilot remediation system. This testing demonstrated that long-term remediation of ground water contaminated with chlorinated solvents could not be completed via the pump and treat methodology required by the regulators. Recent activities involved the proposed implementation of zero-valent iron as the most cost effective methodology to remediate the site and prevent the ground water plume from impacting the downgradient potable well field.

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Supervised the investigation and remediation of a bus terminal and repair facility in northern New Jersey that had a widespread floating oil product and over 3,000 cubic yards of contaminated soil. Through litigation, Mr. Gerber's involvement was instrumental in forcing the tenant and operator of the facility to assume the remaining cleanup of the property.

Supervised the investigation and remediation of soil and ground water impacted with chlorinated solvents associated with a former dry cleaning operation. Investigative efforts demonstrated that the contaminant plume was confined by a thin organic confining layer and contaminants present below this unit were due to off-site sources. Remedial efforts involved removal of the building exterior wall and excavating the contaminated soils. This method resulted in a faster and more economic cleanup than one involving the injection and monitoring of in-situ materials.

Managed the remediation of soil and ground water contaminated with chlorinated compounds. Area of contamination located beneath a dry cleaning facility in central New Jersey. In order to avoid disruption of the active business, physical and chemical applications were applied through injection points directly into the areas of concern treating contaminated soil and ground water in-situ. Preferential pathways were created using an injection point approach to create propagation or permeable zones across the contaminated portion of the site.

Managed the investigation and remediation of former fuel oil distribution facility. Remediation efforts involved the excavation and disposal of petroleum contaminated soil which migrated beneath a public roadway and two (2) adjacent properties. Over 40,000 tons of contaminated soil was excavated over a 2 acre area to a previously identified confining clay unit. An on-site treatment system was designed and installed to dewater the excavation and recover floating oil product.

Managed the investigation and remediation of a former fuel oil distribution facility in northern New Jersey. Remediation involved the excavation and disposal of petroleum contaminated soil occupying an acre of property. The contamination was determined to be adjacent to a passenger railroad line. Engineering design involving extensive shoring was required to protect the railroad from the nearby excavation activities. Extensive dewatering was required as the contamination was identified up to ten (10) feet below the water table. Contamination also extended into adjacent residential properties which required community outreach activities and hands-on restoration activities to maintain cooperation with the local residents. Over 20,000 tons of soil was excavated and transported off site. Post remedial ground water activities will involve the introduction of Oxygen Release Compound into residual inaccessible hot spots.

Managed the remediation of a large oil release in New York City. A 40,000 gallon No.6 fuel oil tank leaked and was mobilized, due to the heat generated by basement boiler room, around the foundation of the adjacent building. Remedial action involved the excavation and disposal of 1,500 tons of contaminated soil around the building foundation, UST system and adjacent parking lot. This was followed by the installation of a product recovery system involving subsurface piping and infrastructure for ground water and free phase product recovery around the building foundation.

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Completed and/or managed multiple projects for the City of Trenton, New Jersey. Recent projects include the remediation of a property extensively contaminated with lead due to historical battery manufacturing operations. Property located in Brownfields Development Area. Other projects involved the remediation around several buildings associated with former steel wire manufacturing operations. Managed the remediation of the dismantling and removal of a 50,000 gallon underground oil tank installed vertically to a depth of twenty feet below grade.

Other positions Mr. Gerber has held during his employment at Whitman are summarized below:

COO/Executive Vice President	2004-present
Vice President of Operations	2002 - 2004
Sr. Project Manager	2000 - 2002
Project Manager	1996 – 2000
Project Hydrogeologist	1992 – 1996
Environmental Hydrogeologist	1991 – 1992
Staff Hydrogeologist	1987 - 1991

Responsibilities assumed in these positions included

- Management of Senior Staff
- Contract negotiations with all vendors and subcontractors
- Project supervision of technical and field personnel
- NJDEP liaison, developing and designing remedial systems to site specifications
- Remedial alternatives analysis of soil and ground water media which include the use of analytical and numerical models
- Preparing Site/Remedial Investigation Reports including Remedial Action Workplans
- Completion of NJDPES Discharge to Ground Water Permits for industrial facilities
- Performance of hydrogeological testing such as pump tests, slug test and in-well testing (electrical conductivity and temperature logging)
- Supervision and performance of soil gas surveys
- Environmental Site Assessments and audits, report preparation, client liaison
- Performance of soil and ground water sampling
- Supervision of remedial activities under BUST, ECRA and voluntary actions
- Supervision of installation of 50+ monitoring wells

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## COURSES COMPLETED

EBC, "Understanding Site Remediation in New Jersey: An Overview of the Guidance Documents Governing the LSRP Program"

Rutgers Continuing Professional Education Course, "Working With Your Licensed Site Remediation Professional (LSRP)"

Rutgers Cook College Continuing Professional Education, "Innovative Technologies for Site Remediation"

National Ground Water Association, "Site Characterization in Support of Fractured Rock Remediation Projects"

Geraghty and Miller, "Fundamentals of Ground Water Contamination"

Steven's Institute of Technology, "Transport and Fate of Contaminants in the Subsurface"

NJWA, "IBM PC Applications in Ground Water Pollution and Hydrology"

NJWA, "Environmental; Forensics: Methods and Applications"

NJWA, "Evaluating the Vapor Pathway" – 2004 Petroleum Hydrocarbons Conference

## PROFESSIONAL ORGANIZATIONS

Commerce and Industry Association of New Jersey (CIANJ); Environmental Business Council (EBC)

Association of Ground Water Scientists and Engineers

## PUBLICATIONS

Michalski, A. and T. Gerber. "Fracture Flow Velocities in the Passaic Formation in Light of Inter-well Tracer Tests," Environmental Geology of the Raritan River Basin, 9th Annual Meeting of the Geology Association of New Jersey, Somerset, New Jersey, October 30-31, 1992.