SME
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ANDREW GOBEIL, C.G., P.G., LSE

EDUCATION

Boston College – B.S. in Geology, 1998
Boston College – M.S. in Geology and Geophysics, 2005

PROFESSIONAL REGISTRATION

Certified Geologist – Maine
Professional Geologist – Pennsylvania, Florida
Licensed Site Evaluator – Maine

EMPLOYMENT HISTORY

2008 to present – Sevee & Maher Engineers, Inc., Hydrogeologist
2003 to 2008 – Sweet Associates, Falmouth, Maine, Hydrogeologist
2001 to 2003 – Geologic Services Corporation, Hudson, Massachusetts, Hydrogeologist

PROFESSIONAL EXPERIENCE

Mr. Gobeil has over 15 years of professional experience in geology and hydrogeology. He specializes in hydrogeologic investigations related to water resources development and groundwater and geologic characterization related to landfill sites, remediation sites, subsurface wastewater disposal leachfields, quarries, and borrow sites. Mr. Gobeil has extensive experience and capability in analytical and numerical groundwater flow modeling and contaminant fate and transport modeling. His experience with hydrogeologic characterizations includes planning, conducting, and analyzing short-term and long-term groundwater pumping tests; classification and logging of subsurface soils and bedrock; and geologic mapping. Mr. Gobeil also has broad experience with analysis and assessment of groundwater quality data for landfill sites and remediation sites.

Examples of assignments and qualifications in his various areas of expertise have included:

- Water Supply Development – For New Jersey's largest water purveyor, Mr. Gobeil has assisted with the permitting and construction administration for Community Water Supply wells throughout New Jersey. The work includes well drilling supervision, geologic and geophysical subsurface characterization, groundwater pumping tests, hydrogeologic analysis and characterization of confined and unconfined aquifers, and preparation of permit applications.
- Assessment of Gasoline (MTBE) Migration – Mr. Gobeil has developed groundwater models for numerous retail gasoline remediation sites. His experience includes hydrogeologic characterization, water quality assessment, and numerical groundwater flow and fate and transport modeling for MTBE plumes in extensive sand and gravel aquifers in Long Island, New York and Cape Cod, Massachusetts. Groundwater modeling included designing the placement and pumping rates for proposed extraction well networks.
- Landfill Permitting – Mr. Gobeil has assisted with hydrogeologic investigations and reporting for proposed landfill locations. His contributions have included detailed rock and soil descriptions, field collection and interpretation of geophysical data, identification of highly hydraulically transmissive zones in bedrock and soils, long-term groundwater pumping tests, manual and computer assisted

analysis of hydrogeologic investigation data, identification of potential sensitive receptors, and localized and regional groundwater flow modeling.

- Quarry and Borrow Permitting – Mr. Gobeil has completed hydrogeologic assessments, including various groundwater modeling techniques, to determine the hydrogeologic impacts related to excavation below the groundwater table at several quarry and borrow sites in Maine.
- Analysis and Design for Groundwater Extraction Wells for a Remediation Site – Mr. Gobeil constructed an extensively detailed numerical groundwater flow model used for design of a network of groundwater extraction wells in a complex geologic setting for a hazardous-waste remediation site in Orrington, Maine. The calibrated groundwater model was used to select extraction well locations, screen depths, and pumping rates. Mr. Gobeil assisted in design of the extraction wells, oversaw the construction of the wells, and completed various length pumping tests for analysis of the hydrogeologic characteristics of the Site.
- In-Situ Bioremediation Augmentation at Dissolved Chlorinated Solvent Remediation Site – Mr. Gobeil has provided hydrogeologic assessment and design for in-situ bioremediation augmentation for a dissolved chlorinated solvent remediation site in Kansas City, Kansas. The assessment included an investigation to provide evidence for existing anaerobic biological activity at the Site, to delineate the extent of dissolved chlorinated solvents in groundwater, and to determine the spacing and injection volumes of an emulsified oil substrate designed to stimulate anaerobic biological activity.