

Naomi L. Slagowski, M.S.

Senior GIS/Environmental Engineer

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Ms. Slagowski is an environmental engineer specializing in database management and Geographic Information Systems (GIS). She focuses on managing data through database development and maintenance, developing custom data user interfaces, visualizing data through mapping and spatial models, and validating laboratory data. She has conducted extensive field work, including sampling of soil, sediment, surface water, aquatic plants, groundwater, indoor air, and soil vapor, and monitored, maintained, and assisted in the design of a variety of groundwater and soil vapor remedial systems. She has conducted historical document review to evaluate other consultants' field programs and found and displayed historical data to evaluate previous fate and transport pathways to support litigation projects. Prior to environmental consulting, she worked as a molecular biologist in the Infectious Diseases Laboratory at Massachusetts General Hospital.

Representative Projects

Database Development: Developed and maintained database and customized user interfaces. The database allowed users to review information on a complex product tracking project and was flexible enough to respond to changing project needs. Regularly added and updated data and maintained system to track changes.

Database Development: Maintained communication with client and laboratories to retain standardized and reliable data sets. Regularly added and updated data. Worked with client to update database with changing project needs.

GIS and Spatial Analysis: Displayed sediment data concentrations on an urban waterway to help identify source areas. Modeled chemical concentrations in the waterway to determine extent of sediment remediation possibly needed.

Data and Document Validation: Reviewed laboratory data reports and field notes for an oil spill characterization project on an accelerated schedule. Validated laboratory data per US EPA National Functional Guidelines for Superfund Data Review.

Historical Information Review: Evaluated potential sub-surface preferential migration pathways by reviewing detailed utility maps from a variety of digital and paper sources and compiling sources into a current map. Confirmed unclear locations in the field by investigating storm drain locations and depths.

Remedial Investigation and Design: Conducted air, soil vapor, soil, and groundwater sampling in businesses and residences at a vapor intrusion site. Operated, maintained, and assisted in design of vapor remedial systems. Validated laboratory data and managed database. Mapped data to visualize plume with relation to residences and businesses. Assisted in report preparation for Massachusetts Department of Environmental Protection reporting requirements.

Areas of Expertise

- Database Development
- GIS and Spatial Analysis
- Data/Document Validation
- Historical Information Review
- Remedial Investigation/Design

Education

M.S., Environmental Engineering, Tufts University

B.S., Chemical Engineering, Iowa State University

Selected Presentations and Publications

Lemay, JC; **Slagowski, NL**; Kerper, LE; Sharma, M. 2019. "Occurrence, Distribution, and Bioaccumulation of Per- and Polyfluoroalkyl Substances (PFAS) in Minnesotan Freshwater Environments." Abstract # 324. Presented at Battelle's Tenth International Conference on Remediation and Management of Contaminated Sediments, New Orleans, LA, February 11-14.

Slagowski, NL; Durant, JL. 2008. "Effectiveness of Solar-powered Water Circulators for Reducing Eurasian Watermilfoil Growth in a Recreational Lake." Presented to the Northeast Aquatic Plant Management Society Conference. West Dover, VT, January 16.

deLemos, JL; Bostick, BC; Quicksall, AN; Landis, JD; George, CC; **Slagowski, NL**; Rock, T; Brugge, D; Lewis, J; Durant, JL. 2008. "Rapid dissolution of soluble uranyl phases in arid, mine-impacted catchments near Church Rock, NM." *Environ. Sci. Technol.* 42(11):3951-3957.

Lesser, CF; Kramer, RW; **Slagowski, NL**; Eze, NA; Giddings, KS; Morrison, MF; Siggers, KA; Starnbach, MN. 2007. "Yeast functional genomic screens lead to identification of a role for a bacterial effector in innate immunity regulation." *PLoS Pathogens* 3(2):e21.

