



Specialties:

- site investigation and remediation
- groundwater assessment and remediation
- specialized in situ treatment technologies
- environmental management assessment and systems

Education:

- PhD, Environmental Engineering, Johns Hopkins University, Baltimore, Maryland, 1998
- MS, Environmental Science and Engineering, Johns Hopkins University, Baltimore, Maryland, 1993
- BA, Geology, Colgate University, Hamilton, New York, 1987

CAREER SUMMARY

Dr. Durant is a principal engineer based in Maryland with more than 20 years of experience who serves as a consultant and advisor to multi-national corporations and government agencies on matters involving quantification, management, and remediation of environmental liabilities. Specializing in the design and implementation of in situ remediation systems for sites in the U.S. and Europe impacted by industrial wastes, Dr. Durant has led the design of in situ bioremediation, chemical oxidation, nanoscale zero valent iron, co-solvent flushing, or thermal remediation systems at over 20 sites. His clients include multinational companies in the information technology services, aerospace, industrial chemicals, pharmaceutical, commercial waste disposal, energy, and legal sectors. He also supports government environmental agencies through the development of program-level guidance on the application of remediation technologies, notably the environmental protection agencies of the U.S., Denmark, and Sweden.

Dr. Durant provides strategic planning and technical direction on the remediation of client sites with challenging conditions where conventional technologies are not capable of achieving remediation cleanup targets cost-effectively. Using his experience in applied research and technology demonstration as well as his authorship of technical guidance documents, he has successfully negotiated regulator approvals for, and led the implementation of, advanced in situ remediation solutions at sites in the U.S., Germany, and Scandinavia.

Dr. Durant's work has advanced the state-of-the-practice regarding use of chemical and biological technologies for treatment of pharmaceutical wastes and pesticides in groundwater at sites in Denmark. Dr. Durant holds a faculty position in the Engineering for Professionals program at Johns Hopkins University where he teaches a graduate course in Subsurface Fate and Contaminant Transport. He has also served as an invited lecturer at Tufts University, University of Virginia, Bucknell University, Lehigh University, Johns Hopkins University, and the Technical University of Denmark.