

Dawn S. Kaback, PhD

Principal Geochemist

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Areas of Expertise

Geosciences

Environmental Geochemistry

Ground Water Hydrology

Soil Chemistry

Drilling Technologies

Petroleum Science

Collaborative Decision Making/Facilitation

Representative Skills and Experience

Dr. Kaback has more than 30 years of experience in a technical and management role in research and technology development for environmental and energy issues. She has a reputation for successful implementation of innovative solutions for environmental problems for a wide range of problems, primarily focused on contaminated groundwater and soil investigation/remediation. Her work has spanned from research through practical applications, technology assessments, and strategic planning. She has dedicated significant efforts to transfer of innovative technologies from government laboratories to commercial practice and holds three patents for an innovative remediation system for in situ groundwater treatment.

Dr. Kaback has developed enduring relationships with both government and industry clients and has formed a broad network with peers from national laboratories, universities, industry, and government facilities. Her clients have included U.S. Department of Energy (DOE), U.S. Environmental Protection Agency (EPA), Fluor Hanford, Fluor Fernald, Newmont Mining, American Petroleum Institute, British Petroleum, Canadian Association of Petroleum Producers, Federal Highways Administration, and Hewlett Foundation.

Dr. Kaback has most recently provided technical advice for unique environmental problems at numerous DOE sites, ranging from retrieval/treatment of radioactive waste to in situ groundwater treatment. She has also supported preparation of EPA's decision framework for cleanup of NAPL-contaminated sites. Dr. Kaback has utilized her geochemical expertise to study impacts of mining as well as regional groundwater research. She also managed a non-profit organization dedicated to the application of collaborative processes for environmental problems, primarily focused on watershed-scale issues.

Dr. Kaback has successfully demonstrated project management skills through management of multi-million dollar government environmental programs. She has managed technical personnel, offices, and organizations under a variety of venues. For more than 20 years, she has successfully developed business through competitive government procurements. Dr. Kaback has served as a technical advisory expert and on numerous expert panels/peer reviews for the DOE, its contractors, and the National Academy of Sciences. She has taught numerous workshops for the National Ground Water Association, served on their Board of Directors, and served as an editor of Ground Water Monitoring and Remediation for 10 years. Dr. Kaback has shared results of her work through delivery of more than 50 presentations at various nationally recognized conferences and related venues.

Education

Ph.D., Geochemistry/Geological Sciences, University of Colorado, 1977

M.S., Geological Sciences, University of Colorado, 1972

B.S., Earth and Space Science, State University of New York at Stony Brook, 1970

Current Affiliations

National Ground Water Association, Association of Ground Water Scientists and Engineers

Geological Society of America

National Ground Water Association Horizontal Well Special Interest Group and Technical Editor
of News and Views newsletter