

Mark Brearley, Ph.D., R.G.



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Project Manager

Ph.D. Geology
University of Alberta, Canada,
1986

B.Sc. (Honours) Geology, 1981
University of Durham, England

Focused Experience

- Project management
- Contracting and planning
- Development of new technologies
- Coordination of activities
- Remedial investigations
- Groundwater modeling
- Remedial design and implementation
- Regulatory compliance
- Project advocacy
- Remediation strategy development and planning
- Resource procurement
- Risk based remediation planning
- Field Investigations
- Risk management
- Remedial solutions
- Data mining
- Site conceptual models

Publications

- 15 major publications in international journals
- 18 abstracts presented at international conferences

Skills

- Management and administration of large environmental projects
- Remediation management experience specific to service stations and bulk fueling facilities
- Contracting and planning remediation projects with consultants and contractors
- Implementation of stage-gate project management
- Development and utilization of new technologies
- Technical reporting to State and Federal Regulatory Agencies
- Management experience involving contaminated soil and groundwater
- Project advocacy to agencies and public
- Remediation strategies and development of remedial options
- Organization and management of field investigations
- Site knowledge assessment, waste volume assessment, and data gap analysis
- Modeling of groundwater flow and contaminant transport for designing groundwater remediation systems
- Development of large-scale regional groundwater models
- Site conceptual model formulation
- Data mining and re-use via such techniques as GIS
- Visual representation of complex technical concepts and scenarios
- Project presentations in public forums

Representative Experience



Unocal / Chevron Edmonds Terminal

Project Manager responsible for environmental compliance and remediation of former marine terminal. Assisted on strategic team to divest property in phases including rezoning of property and remediation to different standards permitting highest and best land use. Participated in stakeholder group and technical negotiations with agency.



Former Unocal / Chevron Seattle Terminal

Project Manager responsible for remediation of former marine terminal on Seattle waterfront. Assisted corporate team in sale of property to Seattle Art Museum and worked with SAM on remedial issues during construction of Olympic Sculpture Park. Negotiated final compliance targets with agency



Former Pesticide Manufacturing Facility

Project Manager responsible for environmental compliance and cleanup. Negotiated RI/FS with agency and worked on cleanup of off-site contamination involving consolidation of material on site. Worked with local community to achieve off-site remedy.



Former Geothermal Facility

Project Manager responsible for environmental compliance and remediation of facility used primarily for brine evaporation. Worked with agency to eliminate NORM from consideration in formulating cleanup strategy and participated in team responsible for evaluating overall strategic plan.

Employment History

July 2007 to Present Project Navigator, Ltd., *Project Manager*

Involved in single and multi-party remedial project management and focused on the petrochemical industry in the Pacific Northwest.

1992 to July 2007 Chevron EMC/Unocal Corporation - RRM Senior Staff Geologist

Management and administration of 25 large remediation projects in Washington, Oregon, California, and Arizona. Previously managed remediation of 75 service station and bulk fueling facilities in Washington, Oregon and Alaska. Specific responsibilities include contracting and planning remediation projects with consultants and subcontractors, implementation of stage-gate project management, development and utilization of new technologies, negotiations with regulatory agencies and knowledge of state regulations, interaction and budgeting with clients internal to Chevron.

1991 to 1992 Environmental Science & Engineering, *Senior Project Geologist*

Responsibilities included management of projects for three major clients and associated business development; management of group personnel involving coordination of activities; marketing new clients; technical assistance for general office personnel on hydrology including aquifer testing and groundwater modeling with specific experience in MODFLOW and associated pre-and post-processing packages.

1989 to 1991 Environmental Science and Engineering, *Project Geologist*

Responsibilities included management of environmental accounts with two major oil companies involving budgeting/contracting, client and regulatory agency liaison, supervision of four geologists and coordination of projects from underground storage tank removal to remedial design and implementation. In addition, responsible for initiation of groundwater modeling program for southern California office. Modeling of groundwater flow and contaminant transport for designing groundwater remediation systems and developing large-scale regional groundwater mode