



CAREER SUMMARY

Graham Webb is a Principal Consultant in civil engineering based in the Republic of Ireland specializing in the conceptual and detailed design of advanced remediation systems to address soil and groundwater contamination. He has applied his expertise at sites primarily in Ireland and the United Kingdom where past operations from petroleum refining, chemical manufacturing, and other industrial processes have resulted in contamination by petroleum hydrocarbons and chlorinated solvents.

Mr. Webb specializes in the development of remediation systems that take advantage of advances in bioremediation and other in situ technologies. Projects have also included the evaluation of groundwater flow regimes as part of the design process. For example, at a redevelopment site in central Dublin, a groundwater flow model had to be developed for the site to predict the effect of a double basement structure on local groundwater flow. This modeling effort was part of a larger remediation project requiring the classification and disposal of more than 100,000 cubic meters of fill impacted by metals and PAHs. At a second site in Ireland, where trichloroethylene (as DNAPL) was within fractured bedrock and the source of a dissolved-phase plume that extended off-site, Mr. Webb managed the design, installation and commissioning, on a turn-key basis, of a groundwater hydraulic containment and treatment system.

Mr. Webb also works with clients to develop strategies for future uses of premises impacted by past practices that resulted in contamination to soil and groundwater. For example, he developed remedial action plans for two Electricity Supply Board Ireland power station sites that included groundwater flow modeling and quantitative risk assessments to develop risk-based cleanup criteria based on future land use scenarios.

Specialties:

- Site Investigation and Remediation
- Groundwater Assessment and Remediation

Education:

BEng. (Hons.), Civil Engineering, University of Canterbury, Christchurch, New Zealand, 1985