In-situ remediation systems are commonly screened out during remedial options evaluation due to their inability to reach generic numerical based standards and/or the time required for remediation to be complete. However, in-situ remedial systems can play an important role in site closure given the correct setting. Combining mass removal with attenuation processes and a landowner with a development scenario that is site specific, closure can be successfully achieved and even accelerated with redevelopment following closely afterwards.

This presentation presents a case history of a multi year investigation, remediation and closure of a former petrochemical bulk plant on the picturesque shoreline in Gibsons BC. The presentation will cover the site investigation history, remediation and risk assessment including natural attenuation and how these were successfully combined to close the Site. The presentation will focus on key observations as the Site investigation and remediation program was reviewed prior to development of the closure program, the challenges encountered, and how the challenges were overcome.

John Taylor
John Taylor is a Registered Professional Engineer and member of the Contaminated Sites Approved Professional Society (CSAP). With over 25 years of experience in the environmental industry, John is known for practical, straightforward goal-oriented solutions that satisfy client, stakeholder, and regulatory needs. He has been the lead environmental professional on many large-scale projects for public and private sector clients ranging from hydroelectric power, rail operations, wood processing and treatment, chemical plants, and major spills in sensitive ecological habitats. He provides assistance to many clients on their strategic approach to major environmental projects and his primary areas of expertise include: pollution prevention and treatment, environmental construction monitoring, project management, remedial planning, remedial design and implementation, spill response, site and sediment assessment, regulatory compliance, and engineering design. John’s knowledge includes both federal and provincial regulations with particular expertise on BC environmental acts and regulations through his extensive work as a CSAP member. John places the quality of his teams’ work at the forefront when planning projects collaboratively with clients. He is sensitive to importance of understanding project goals and objectives, and stays abreast of the evolving science and trends available to provide innovation and value to the projects he leads.