



A GeoEnviroPro / VEI Contracting Workshop

Thinking in 3D – Practical Conceptual Site Modelling for Efficient Site Closure

[Lead Instructor: Guy Patrick, M.Sc., P.Eng., CSAP, Patrick Consulting]

[Assisting Instructors: Pete Craig, M.Sc., PChem and Eric Cowan, B.A.S., C.E.T., VEI Contracting Inc.]

Turn abstract data into practical decisions. This new half-day mini-course helps contaminated sites professionals and site owners use the Conceptual Site Model (CSM) to navigate subsurface complexity, avoid common pitfalls, and support effective remediation, risk management, and closure. Through interactive exercises, anonymized site data, real-world examples from over 40 years of projects, and professional dialogue, participants will build practical skill in interpreting environmental data, cultivating a “living” CSM, and effectively applying that CSM across the full contaminated sites management process. From high resolution site characterization and PRBs to ex situ treatment and in situ chemical oxidation and reduction, this session connects current and innovative approaches to the one thing every project needs at the foundation: a meaningful CSM that gets you to closure.

Pete Craig **VEI Contracting Inc.**

Mr. Pete Craig is a former consultant and current contractor with over 20 years of international experience in contaminated site assessment, site remediation and heavy civil. Since earning his undergraduate degree in Chemistry from UC Berkeley in 1996 and a Master’s in Environmental Engineering in Stanford in 1998, he has managed or been the senior technical lead on projects up to \$200M in value across Canada and abroad, with hands-on experience in a wide range of complicated hydrogeological and chemical contexts.

Assisting Mr. Patrick at GeoEnviroPro as a webinar, course and workshop lead, Mr. Craig’s day-to-day role as a manager of strategy and operations for VEI Inc. (formerly Vertex Environmental; <https://vertexenvironmental.ca/>) keeps him deeply involved in advancing remedial options assessment, site risk management, and environmental research. Mr. Craig’s expertise, based on practical experience, is focused on translating theory and intent into practical site works.

Guy Patrick **Patrick Consulting**

Mr. Guy Patrick is a contaminant hydrogeologist and environmental engineer with over 40 years of experience across Canada and globally in the assessment and remediation of Course Syllabus 2 contaminated sites in soil, sediment and bedrock environments. He provides technical training via in-class courses and webinars through GeoEnviroPro (<http://geoenviropro.com/>), with a focus on effective use of conceptual site models in site characterization, risk assessment and remedial planning. As Managing Director of Patrick Consulting Inc. (<http://patrickenv.com/>) and a Contaminated Sites Approved Professional in the Province of British Columbia (<https://csapsociety.bc.ca/>), Mr. Patrick’s expertise also includes strong technical review and project oversight, with a focus on the development of innovative approaches in the assessment and clean-up of contaminated sites.

Eric Cowan **VEI Contracting Inc.**

Mr. Cowan is a Senior Project Manager at VEI Contracting Inc. and specializes in in-situ remediation. Mr. Cowan has been involved in the design and implementation of remediation programs across Canada involving permeable reactive barriers, adsorptive technologies, chemical oxidation/reduction, and biodegradation, in soil, groundwater, and bedrock for a variety of contaminants, including petroleum hydrocarbons, chlorinated solvents, and heavy metals.