



# SOIL VAPOUR INTRUSION INVESTIGATIONS

## NEW DEVELOPMENTS AND BEST PRACTICES

**DR. IAN HERS, HERS ENVIRONMENTAL CONSULTING, INC.  
/ GEOENVIROPRO TRAINING PROFESSIONALS**

*An information-packed synopsis of the science, approaches, and methods for effective soil vapour characterization at contaminated lands*

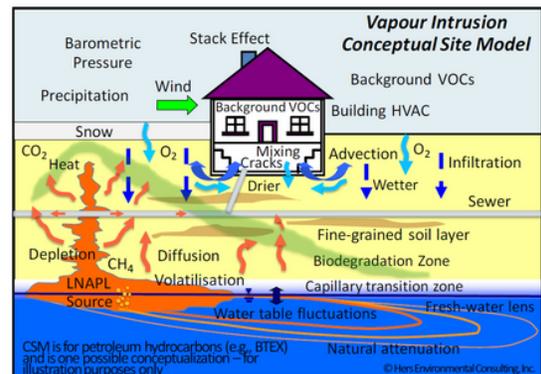
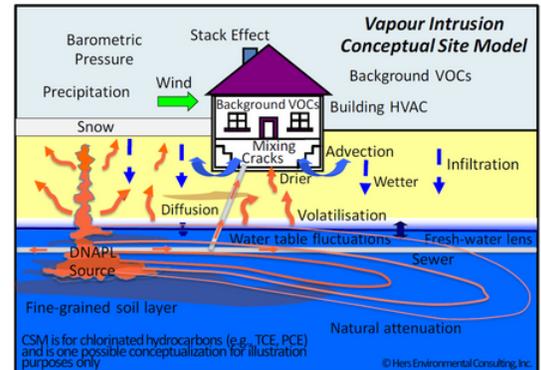
In the webinar, we describe key recent developments for the soil vapour conceptual site model, preferential pathways and investigation approaches and methods. Drawing upon current research, guidance, and practice, the webinar provides a broad perspective on current practices and common questions, but also highlights jurisdiction-specific protocols and guidance including BC Provincial and Canadian federal regulations and guidance.

This webinar training will be of interest to anyone seeking to develop a better understanding of effective investigation approaches for soil vapour intrusion.

Topics addressed include:

- Soil vapour conceptual site model overview
- Update on key regulatory guidance (e.g., BC provincial, federal, international)
- Attenuation factors and partitioning models
- Integration of natural attenuation in petroleum vapour intrusion assessment
- Soil vapour plume stability concerns
- Optimized design of soil vapour and indoor air sampling programs
- Strategies to address spatial and temporal variability
- Challenges and solutions: shallow groundwater and future building scenarios
- How to assess preferential pathways
- Tips for investigation methods and quality control
- Building-specific approaches and tools
- Case examples

The training will be conducted over 2.5 hours with question-and-answer and discussion breaks. Each attendee will receive digital copies of slides with notes of the training and will have access to the recording for two months following the webinar.



The training will be delivered by Dr. Ian Hers, Principal and Founder of Hers Environmental Consulting, Inc. and Partner with GeoEnviroPro Training Professionals. Dr. Hers is a recognized expert in soil vapour intrusion with over 30-years experience. He has developed guidance and conducted science reviews and applied research for several federal, provincial and state agencies/organizations in Canada and USA including Contaminated Sites Approved Professional Society of BC, Science Advisory Board for Contaminated Sites in BC, BC Environment, Health Canada, Ontario Environment, US EPA, SERDP/ESTCP, American Petroleum Institute and New Jersey Department of Environmental Protection. He brings a deep knowledge and practical experience to soil vapour assessment practice.

**NOVEMBER 30, 2021  
9:00AM - 11:30AM PST**

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