



Vapor Intrusion Sampling for the Environmental Professional

Sponsored by FET - Federation of Environmental Technologists, Inc. Southeast Wisconsin Chapter and Wisconsin DNR Bureau of Remediation and Redevelopment

Program of the Day

Tuesday, September 23, 2008 ▪ Midway Brookfield

Registration 7:30 AM ▪ Program 8:00 AM – 4:15 PM

Seminar Purpose: A comprehensive training course for project managers and consultants on how to properly collect soil gas samples through a variety of methods.

- 8:00 – 8:30 **Welcome and Overview of Vapor Intrusion Pathway**
Terry Evanson, Wisconsin DNR
Screening for pathway; criteria for determining when action to address pathway may be necessary
- 8:30 – 11:30 **Soil Gas Sampling Methods**
Todd McAlary, GeoSyntec
Topics include use of post-run tubing; permanent and semi-permanent probes; hand vs machine-driven probes; sealing and equilibration of probes; sample screening; use of sampling train; leak testing; QA/QC of sample methods; purging and equilibration recommendations
- 11:30 – 12:30 Lunch
- 12:30 – 2:30 **Laboratory Perspective of Vapor Intrusion/ Analytical Methodology**
Daryl Peterson, Pace Analytical Laboratory
Topics include selection of sample devices and pros and cons; vapor analytical methods; contaminants and detection levels; QA/QC requirements and affect on data quality objectives
- 2:30 – 2:45 Break
- 2:45 – 3:30 **Interpretation of Vapor Sample Results**
Henry Nehls-Lowe, Wisconsin DHFS
Vapor samples and comparison to health based values and background indoor air concentrations
- 3:30 – 4:15 **Current Wisconsin DNR Approach to Vapor Intrusion**
Terry Evanson, Wisconsin DNR
Responses when vapor levels exceed risk levels; achieving closure at sites when complete or potential vapor intrusion pathway

7.5 CLE hours, 1.0 Industrial Hygiene points, 0.5 CHMM CMPs, 0.8 hours CEUs available