

Workshop - 4

Title	Hands-on PFAS Modeling in Soil and Groundwater
Date and time	Sunday, 13 September 2026, 1:30 PM – 5:00 PM
Duration	Half Day
Time*	1:30 PM – 5:00 PM
Venue	Adelaide Convention Centre*
Presenter	Robert Schneiker, PG, Geophysicist, USA
Registration Fees	\$ 375 incl GST (The workshop attendees will be provided with an afternoon tea)

About this workshop

In this workshop, attendees will learn how to develop soil leaching standards protective of groundwater quality using SESOIL and AT123D. The SESOIL vadose zone model was enhanced to simulate the adsorption of PFAS at the air-water interface in the unsaturated zone. SESOIL, in conjunction with the AT123D groundwater model has been used by numerous state regulatory agencies across the United States to establish baseline soil leaching standards protective of groundwater quality. The enhanced version of SEVIEW is currently being used by multiple state regulatory agencies in the United States to develop PFAS soil leaching standards protective of groundwater quality.

To ensure protection of groundwater quality, the baseline soil cleanup objectives are based on the worst-case model results. Application of such conservative cleanup concentrations may result in costly remedial actions that may not be warranted. Environmental consultants can use the same models to develop site-specific soil impact to groundwater standards. At many sites this will result in higher soil cleanup concentrations while maintaining protection of groundwater quality. Conversely, elsewhere, modeling may reveal an imminent threat to groundwater quality that should be addressed before it gets worse.

Why Attend?

Learn how to use models to evaluate threats to groundwater quality posed by leaching PFAS in soil.

Who should attend?

- Regulators
- Consultants
- Hydrogeologists
- Risk Assessors
- Computer Modelers

Workshop attendees will receive

- 3.0 hrs of CPD point
- Fully functional trial version of SEVIEW 8.0. A download link will be provided prior to the training.
- Presentation slides (as secured PDF) on USB
- A downloadable online resource folder, including example SEVIEW project files on USB

Workshop Program

Time	Session – Key Topics and Activities
1:30 – 1:40 PM (10 minutes)	Welcome and Introduction to Contaminant Modeling
1:40 – 3:00 PM (80 minutes)	SESOIL vadose zone parameters <ul style="list-style-type: none">• Climate• Chemical• Soil• Contaminant load SESOIL Results <ul style="list-style-type: none">• Hydrologic Cycle• Pollutant Cycle
3:00 – 3:15 PM	Afternoon Tea Break
3:15 – 4:45 PM (90 minutes)	AT123D groundwater parameters <ul style="list-style-type: none">• Chemical• Aquifer• SESOIL link• Vadose zone contaminant load• Groundwater contaminant load• Source configuration• Point of compliance AT123D Results Advanced SEVIEW modelling capabilities
4:45 – 5:00 PM (15 minutes)	Q&A and wrap-up

Presenter



Robert Schneiker

PG, Geophysicist

Creator and developer of the SEVIEW 8.0 transport and fate modeling software

Robert Schneiker is the creator and developer of the SEVIEW 8.0 transport and fate modeling software, which features enhanced versions of the SESOIL vadose zone and AT123D groundwater models. SEVIEW is used by regulators and consultants around the world. He has presented papers on contaminant transport and fate modeling in the United States, Canada, and the European Union. Robert has conducted numerous training seminars for environmental consultants and government regulatory agencies across the United States. His courses are accredited for Continuing Education Credits (CECs).

Robert is a licensed Professional Geologist in Wisconsin who has been in the environmental groundwater consulting industry since 1982. Trained as a geophysicist, his project experience includes: risk-based evaluations, vadose zone and groundwater modeling, remedial investigations, geophysical exploration, and groundwater resources exploration. He performed SESOIL modeling

used by the Wisconsin Department of Natural Resources to develop default soil cleanup objectives protective of groundwater quality.

Notes:

(*) Workshop room details will be advised closer to the event date.

(+) Time slots suggested in the program are indicative and may vary slightly based on the final program.

-Delegates are required to **bring their own laptop computers with SEVIEW 8.0 already installed.** A fully functional trial version of SEVIEW 8.0 will be available for download prior to the class. No purchase is necessary.
