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### WHO SHOULD ATTEND?

- Hydrogeologists
- Engineers
- Regulators
- Project Managers
- LSRP
- PE

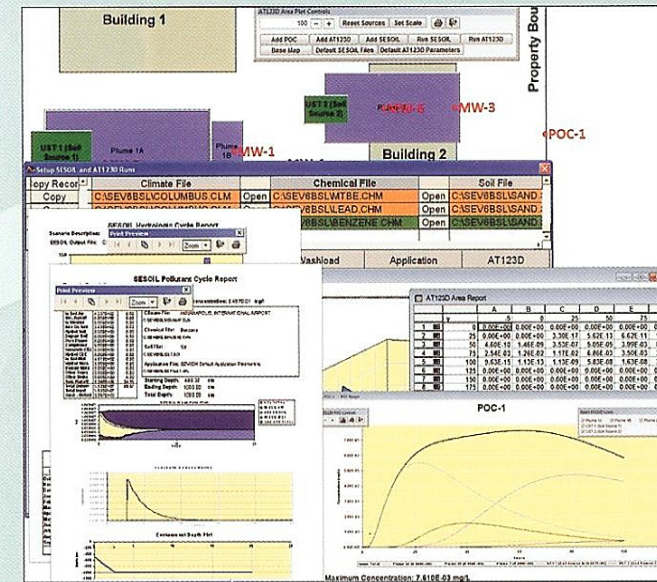
The overall goal of the course is to provide exposure to practical modeling methods. Those already experienced in modeling will benefit from an introduction to the capabilities of SEVIEW v.7.1

### Can't Make the Course

Customized in-house workshops and modeling project assistance are also available. Or download SEVIEW at [www.seview.com](http://www.seview.com) and teach yourself.

Presenters from:  
Environmental Software Consultants, Inc.,  
Geoscience Resources, Inc.,  
NJDEP, and  
InterBrain, LLC - Environmental Services

## Development of IGWSRS Using SESOIL & AT123D



**April 26 and 27, 2012**

At the  
Rutgers Continuing Studies  
Conference Center  
178 Ryders Lane  
New Brunswick, NJ 08901-8556



## ABOUT THE SEMINAR

This two-day course covers the development of IGWSRS under the NJDEP guidance. Subject matter ranges from simple equations, SPLP, and transport and fate modeling, using SESOIL, and AT123D. Site-specific examples will be presented.

## INSTRUCTORS

### Michael J. Barden, President Geoscience Resources Inc., Albuquerque, NM

Mr. Barden has worked with and lectured extensively on SESOIL, AT123D and U.S. EPA's Soil Screening Guidance. He was responsible for the development of the default soil cleanup objectives for the WDNR. Mr. Barden was co-chair of the task group for developing the ASTM guidance for remediation by natural attenuation and a member of the NRC committee on intrinsic remediation, and provided instruction for professional organizations and regulatory agencies.

### Robert Schneiker, P.G., President ESCI, Inc., Madison, WI

Mr. Schneiker designed and developed the SEVIEW modeling software that includes enhanced versions of SESOIL and AT123D. He performed SESOIL modeling used by the WDNR to establish default soil cleanup objectives protective of groundwater quality. Mr. Schneiker has conducted numerous training seminars for consultants and regulatory agencies. He has been in the environmental groundwater consulting industry since 1982.

### Liliana Cekan, P.E., Ph.D., President InterBrain, LLC, Princeton, NJ

Dr. Cekan has 20 years experience in the environmental field, focused on the use of air, vadose zone and groundwater models, in support of risk assessment, brownfields redevelopment, remediation, and litigation support. She assisted in the development of the SESOIL to MODFLOW/MT3D link. She worked for numerous sites in NJ to establish site-specific IGWSRS. Dr. Cekan is a registered PE in NJ and NY.

### Paul Sanders, Ph.D., Research Scientist NJDEP - Site Remediation Program, Trenton, NJ

Dr. Sanders provides technical support for the review of alternative remediation standards proposed by LSRPs. His areas of expertise include transport of chemicals from soil to groundwater, vapor intrusion, volatilization of chemicals from soil and water, and ambient levels of contaminants in indoor air and soil. He is the primary person responsible for SESOIL/AT123D model implementation at NJDEP.

## Program

April 26, 2012

7:30 - 8:00 Registration & Continental Breakfast

### MORNING SESSION

8:00 - 10:00 Leach based IGWSRS  
Vadose zone processes & modeling

9:45 - 10:00 Break\*

10:00 - 12:00 Overview of SESOIL

12:00 - 1:00 Lunch Break\*

### AFTERNOON SESSION

1:00 - 3:00 SESOIL cycles (modules)

3:00 - 3:15 Break\*

3:15 - 5:00 Site-specific SESOIL IGWSRS

April 27, 2012

7:30 - 8:00 Continental Breakfast

### MORNING SESSION

8:00 - 10:00 Groundwater processes & modeling

10:00 - 10:15 Break\*

10:15 - 12:00 Overview of AT123D

12:00 - 1:00 Lunch Break\*

### AFTERNOON SESSION

1:00 - 3:00 SESOIL linked to AT123D IGWSRS

3:00 - 3:15 Break\*

3:15 - 5:00 SESOIL linked to MODFLOW/MT3D  
IGWSRS  
Case Studies

\* Lunch and snacks are included

## SEVIEW v.7.1

SEVIEW contains advanced versions of SESOIL and AT123D. Multiple soil and groundwater sources are established on a site map. Results are generated for points of compliance designed based on existing monitoring wells. Select sources can be toggled off to evaluate remedial options.

## CONTINUING EDUCATION CREDITS

- LSRP (14 CEC)
- PE (Pending Approval)

## PREREQUISITES

A basic knowledge of the MS Windows is recommended. Modeling experience is beneficial but not required.

## SPECIAL REQUIREMENTS

If you have any special requirements, please call or indicate when registering for the course.

Name:	Company:	Address:	City:	State:	Phone:	Email:	Credit Card:	Name:	Address:	City:
_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
							NJ seminar (\$795)			
							Total			
							Expiration:			
							<input type="checkbox"/> VISA	<input type="checkbox"/> Master Card		
								Zip Code: _____		

**Space is limited, so register soon!**

## TO REGISTER:

Complete and print this registration form. Then send it including payment to InterBrain, LLC - Environmental Services. If you're paying via credit card you can fax it to: 609-252-9238.

## QUESTIONS?

Call InterBrain, LLC at 609-462-0735. You may also contact us via e-mail at [liliana.cecan@interbrain.net](mailto:liliana.cecan@interbrain.net).