



Radiochemistry Webinars

Environmental & Bioassay Radiochemistry Series

NAMP cordially invites you to attend web-based lectures on specific radiochemistry topics developed in cooperation with the EPA and other Federal agencies, and our university partners. The selected topics are designed to strengthen the participant in areas of professional engineering practice identified by the nuclear industry or national laboratories, including but not limited to actinide chemistry in the environment and in the nuclear fuel cycle. Short (1 ½- to 2-hour) webinars on specific radiochemistry topics are presented by renowned university professors and leading scientists in radiochemistry.

EPA's Incident Response Guides and Rapid Methods

Who Should Attend: Chemists Laboratory Technicians Radiation Safety Personnel
Regulators Emergency Preparedness Personnel Managers

Lecture Description: The lecture provides an overview of incident response guides, rapid methods, and performance test studies by the EPA Office of Indoor Air and Radiation National Analytical Radiation and Environmental Laboratory (NAREL) to help laboratories prepare for response to a radiological or nuclear event. Issues that may be encountered, approaches to facilitate rapid analyses during an incident response, and information to help laboratories implement processes to generate data in support of incident response decision making will be addressed. Discussions will include the unique analytical challenges posed by complex mixtures of fresh fission products shortly after a nuclear incident and rapid radiochemical analysis methods for a list of radionuclides in various matrices.

Free Webcast: Thursday, November 21, 2013, at 1:00 pm Eastern Time, 12:00 pm Central Time

Register NOW at: <https://foodshield.connectsolutions.com/rapidmethodsevent/event/registration.html>

For more information, please contact: Berta Oates at boates@portageinc.com or visit the NAMP website at www.wipp.energy.gov/namp

Meet the Presenters...

For over 20 years, Mr. Shannon has supported government and independent commercial testing laboratory radiochemistry needs. He currently performs consulting work through Quality Radioanalytical Support, LLC. His recent work has included projects such as drafting revision 2 of NRC Regulatory Guide 4.15 to incorporate MARLAP principals, developing and teaching basic radiochemistry training for state and federal lab radiochemists, performing audits for the EPA and DOE, and helping author laboratory guidance documents and develop rapid radioanalytical methods for the EPA. Mr. Shannon chairs The NELAC Institute Radiochemistry Expert Committee and the ASTM D19.04 Fission and Activation Products Task Group, and is the Radiochemistry Part Coordinator for Standard Methods for the Examination of Water and Wastewater.

Bob Shannon



Robert Litman



Robert Litman, Ph.D., has been a researcher and practitioner of nuclear and radiochemical analysis for the past 42 years. He is well respected in the nuclear power industry as a specialist in radiochemistry, radiochemical instrumentation and plant systems corrosion. He has co-authored two chapters of MARLAP and is currently one of a team of EMS consultants developing radiological laboratory guidance on radionuclide sample analyses in various matrices, radioactive sample screening, method validation, core radioanalytical laboratory operations, contamination, and rapid radioanalytical methods. He authored the section of the EPRI PWR Primary Water Chemistry Guidelines on Radionuclides and has been a significant contributor to EPRI Primary-to-Secondary Leak Detection Guidelines. Dr. Litman has worked with the NRC in support of resolving GSI-191 issues (chemical effects following a loss of coolant accident) at current nuclear power plants, and has reviewed designs for addressing that safety issue for new nuclear power plants. His areas of technical expertise are gamma spectroscopy and radiochemical separations. Dr. Litman has been teaching courses in radiochemistry and related special areas for the past 28 years.

Watch for these Upcoming Webinars

- Detection Decisions and Detection Limits (December 6, 2013)
- GUM (January 23, 2014)
- Mass Spectrometry (February 27, 2014)