

**Joint US Russian JCCEM Workshop on Tritium D&D Technology**  
**December 11-12, Miamisburg, Ohio, USA**

**Objective:**

The workshop objective is to identify DOE needs in R&D and deployment of new effective technologies which can accelerate decontamination and decommissioning of U.S. facilities and equipment contaminated by tritium.

**Agenda:**

<b>Monday, December 11</b>		
8:00 – 8:30	Welcome and Introductions	Rick Provencher, DOE/MEMP Steve Bossart, DOE/NETL Dick Blauvelt, WPI Evgeny Krukov, MINATOM
8:30 – 9:30	Overview of Completed and Ongoing Tritium D&D Projects in the DOE Complex	Dick Blauvelt, WPI
9:30 – 10:30	Cathodic-Arch Cleaning/Plasma Spraying Chamber	Richard Kastro, LANL
10:30 – 11:00	Break	
11:00 – 12:00	Overview of Tritium Health Effects and Methods of Air Monitoring	Yung-Sung Cheng, LRRI
12:00 – 1:30	Lunch	
1:30 – 2:30	Catalytic Oxidation Process for Treatment of Organic Liquids	Vince Maio
2:30 – 3:15	High Temperature Plasma-Chemical Process for Treatment of Organic Radioactive Waste	Igor Smirnov, KRI
3:15 – 3:30	Break	
3:30 – 4:15	Monitoring of Tritium in the Environment: US Technologies	Kenneth Hofstetter, SRTC-WSRC
4:15- 5:00	Monitoring of Tritium in the Environment: Russian Technologies	Victor Tishkov, KRI
5:00	Adjourn	
<b>Tuesday, December 12</b>		
8:30 – 9:00	Reconvene meeting	Steve Bossart, DOE/NETL Dick Blauvelt, WPI Evgeny Krukov, MINATOM
9:00 – 10:00	Tritium Behavior/Treatment in Groundwater: US Experiences	Dick Neff, DOE/MEMP
10:00 – 10:45	Deep geological injection of liquid wastes:	Victor Tishkov, KRI

	Russian experience	
10:45 – 11:00	Break	
11:00 – 12:00	Tritiated Surface Monitoring Technology Using PIN Diode	Scott Willms, LANL
12:00 – 1:30	Lunch	
1:30 – 2:15	The Iodine Chamber and Portable Liquid Scintillation Detectors	Scott Dennerlein, PPPL
2:15 – 3:00	New Technologies and Methods for Monitoring of Tritium Content in Oil and Water	Don Krause, BWXT
3:00 – 3:45	Sub- and Supercritical CO-2 Extraction Technology for Surface Decontamination	Igor Smirnov, KRI
3:45 – 4:00	Break	
4:00 – 4: 30	TechXtrac Liquid Technology	Scott Dennerlein, PPPL
4:30 – 5:00	Tritiated Waste Solidification Technology	Dick Blauvelt, WPI
5:00 – 6:00	General discussion and signing Record of Meeting	