

**IAEA / Argonne**  
**Regional Training Course in Nuclear Facility Decommissioning and Environmental Remediation Skills**  
**4 – 15, 2011**

<b>Monday April 4</b>	<b>Tuesday April 5</b>	<b>Wednesday April 6</b>	<b>Thursday April 7</b>	<b>Friday April 8</b>
8:30 – 9:30 Welcome and Introductions, including Safety Lecture	8:00 – 10:00 Project Planning and Decision Making (P. Booth and L. Boing)	8:00 – 9:00 Environment, Health & Safety (T. Hansen)	8:00 – 10:00 Env. Site Characterization – Introduction, Data Collection, & Measurement Technologies, Subsurface Characterization (B. Johnson)	8:00 – 10:00 Site Characterization Equipment Demonstrations (USEPA Region V)
9:30 – 10:30 Course Overview & Introduction to IAEA Networks		9:00 – 10:00 Safety Assessment (M. Hannan)		
BREAK	BREAK: <i>Group Photo</i>	BREAK	BREAK	BREAK
11:00 – 12:00 Fernald Site Case Study (L. Boing)	10:30 – 11:30 Project Planning, cont.	10:30 – 12:30 Waste Management (A. Palmer)	10:30 – 12:30 Env. Site Characterization – Dynamic Data Collection Strategies, Conceptual Site Models, and Data Management.	10:30 – 11:30 Site Characterization Demonstrations, cont.
	11:30 – 12:30 Deactivation (L. Boing)			11:30 – 12:00 Overview of Risk Assessment (K. Smith)
LUNCH	LUNCH	LUNCH	LUNCH	LUNCH
1:00 – 1:30 Relevant IAEA Standards, Publications, and Concepts) (M. Hannan)	1:30 – 2:00 Regulatory Requirements (M. Hannan)	1:30 – 2:30 Material Clearance (M. Hannan)	1:30 – 2:30 Env. Site Characterization – Case Studies	1:00 – 1:30 Risk Communication (P. Booth)
	2:00 – 3:00 Cost Estimation (P. Booth, C. Kunze, and L. Boing)			2:30 – 3:30 Conceptual Site Model Exercise (P. Booth)
1:30 – 3:00 Participants' Presentations	3:00 – 3:30 Stakeholder Engagement (P. Booth)	2:30 – 3:30 D&D Site Characterization (T. Hansen)		
BREAK	BREAK	BREAK	BREAK	BREAK
3:30 – 5:00 Participants' Presentations, cont.	4:00 – 5:00 D&D Exercise, Part 1 (L. Boing)	4:00 – 5:00 Final Status Surveys and MARSSIM (T. Hansen)	4:00 – 5:00 D&D Exercise, Part 2 (L. Boing)	4:00 – 4:30 Discussion

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<b>Monday April 11</b>	<b>Tuesday April 12</b>	<b>Wednesday April 13</b>	<b>Thursday April 14</b>	<b>Friday April 15</b>
8:30 – 10:30 Dose and Risk Assessment for Soil Contamination RESRAD Overview and Demo and Hands-on Exercise (C. Yu and D. LePoire)	8:30 – 10:30 Dose and Risk Assessment for Building Contamination RESRAD-BUILD Overview and Demo and Hands-on Exercise (C. Yu and D. LePoire)	8:00 – 10:00 Decontamination and Dismantling (L. Boing)	8:00 – 9:00 New Technologies (J. Nokhamzon) 9:00 – 10:00 Participants Prepare Action Plans	8:30 – 10:30 Participants Action Plan Presentations
<b>BREAK</b>	<b>BREAK</b>	<b>BREAK</b>	<b>BREAK</b>	<b>BREAK</b>
11:00 – 12:30 RESRAD Methodology and Hands-on Exercise	11:00 – 12:30 RESRAD-BUILD Methodology and Hands-on Exercise	10:30 – 11:30 Geostatistical Methods (J. Nokhamzon) 11:30 – 12:30 Plum Brook Research Reactor Case Study (K. Peacock)	10:30 – 11:30 Role of the IVC Survey (S. Roberts) 11:30 – 12:00 Exhibits and Demonstrations: CRATER Technology (J. Stewart Bland)	11:00 – 1:00 Participants Action Plan Presentations
<b>LUNCH</b>	<b>LUNCH</b>	<b>LUNCH</b>	<b>LUNCH</b>	<b>LUNCH</b>
1:30 – 3:30 Analysis Tools and Hands-on Exercise	1:30 – 3:30 Problem Solving Techniques and Hands-on Exercise	1:30 – 2:30 Remedial Design for D&D and ER (L. Moos) 2:30 – 3:30 De-Nuclearization of the CEA-Grenoble Research Center – the Passage Project (J. Nokhamzon)	1:00 – 3:15 Exhibits and Demonstrations: Soil Sorting Technology (A. Lombardo); Diamond Wire Cutting & Concrete Shaving (B. Hulick); Specialty Design Dismantling Tooling (S. Garner)	1:30 – 2:00 Key Concepts (L. Boing) 2:00 – 3:00 Closing Remarks
<b>BREAK</b>	<b>BREAK</b>	<b>BREAK</b>	<b>BREAK</b>	
4:00 – 5:00 Applications, Verification, and Validation	4:00 – 5:00 Probabilistic Code Demonstration and Overview	4:00 – 5:00 D&D Exercise, Part 3 (L. Boing)	3:45– 4:30 Exhibits and Demonstrations: DeconGel Strippable Coating (R. Mandanas) 4:30 – 5:00 Discussion	