

IAEA / Argonne
Interregional Training Course in Nuclear Facility Decommissioning and Environmental Remediation Skills
April 8 – 19, 2013

	Monday April 8	Tuesday April 9	Wednesday April 10	Thursday April 11	Friday April 12
Welcome Reception in Hotel Lobby, Sunday April 7, 2013, 6:00 PM	9:00 – 9:45 Welcome and Introductions, including Safety Lecture	8:30 – 10:45 Setting Project Objectives, Project Planning, Decision Making, and Cost Estimation (P. Booth and J. Carignan)	8:30 – 9:00 Overview of Dose and Risk Assessment (C. Yu and D. LePoire)	8:30 – 9:30 Introduction to Decommissioning (L. Boing)	8:30 – 9:30 Safety Assessment (D. Draper)
	9:45 – 10:30 Course Overview & Objectives (Smith, Boing, Booth)		9:00 – 10:30 Dose and Risk Assessment for Building Contamination: RESRAD-BUILD	9:30 – 10:30 Environment, Safety & Health Issues (T. Hansen)	9:30 – 10:30 Building Characterization (T. Hansen)
	BREAK	BREAK	BREAK	BREAK	BREAK
	10:45 – 11:00 Course Overview & Objectives, cont.	11:00 – 11:30 Stakeholder Engagement (P. Booth)	10:45 – 11:30 RESRAD-BUILD, cont.	10:45 – 11:45 Records (D. Draper)	10:45 – 11:30 Decontamination Technologies (L. Boing)
	11:00 – 11:30 Study Site Presentation (K. Smith)	11:30 – 12:00 Risk Communication (P. Booth)	11:30 – 12:00 Dose and Risk Assessment for Soil Contamination: RESRAD and RESRAD Offsite	11:45 – 12:30 Material Clearance (D. Draper)	11:30 – 12:15 Case Study: Foundry Facility D&D (T. Hansen)
	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH
	12:30 – 1:45 Argonne Case Study and Site Tour (L. Boing and L. Moos)	1:00 – 1:30 Conceptual Site Models (P. Booth)	1:00 – 3:00 RESRAD-BUILD and RESRAD hands-on exercises	1:30 – 2:30 Waste Management (R. Shult)	1:15 – 2:15 Dismantling Technologies (L. Boing)
	1:45 – 3:00 Participants' Presentations	1:30 – 2:45 Conceptual Site Models, hands-on exercise (small groups)		2:30 – 3:00 Case Study: JANUS Reactor D&D (L. Boing)	2:15 – 3:00 Final Status Surveys (T. Hansen)
	BREAK	BREAK	BREAK	BREAK	BREAK
	3:15 – 5:00 Participants' Presentations, cont.	3:00 – 3:45 Conceptual Site Models, hands-on exercise, cont.	3:15 – 5:00 RESRAD-BUILD and RESRAD hands-on exercises, cont.	3:15 – 5:00 D&D Planning hands-on exercises (L. Boing)	3:15 – 5:00 D&D Cost Estimation/Work Breakdown Structure hands-on exercises (L. Boing)
		3:45 – 5:00 Conceptual Site Model Group Presentations to Stakeholders (P. Booth)			
			6:30 Group Dinner	7:00 Seminar at Hotel: IAEA Networks and Case Study of Zion Nuclear Power Plant Decommissioning	

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Monday April 15	Tuesday April 16	Wednesday April 17	Thursday April 18	Friday April 19
8:30 – 9:25 Waste Disposal – How and Why (V Rogers Jr)	8:30 – 10:15 Introduction to Env. Site Characterization; Env. Data Collection Realities (B. Johnson)	8:30 – 10:15 Surface Soils: Gamma Walkover Surveys; Case Study (B. Johnson)	8:30 – 10:30 Updating the Conceptual Site Model, hands-on exercise (small groups) (B. Johnson and P. Booth)	8:30 – 10:30 Participants Action Plan Presentations
9:25 – 10:20 Evolving Technologies (F. Chambon)				
BREAK	BREAK	BREAK	BREAK	BREAK
10:35 – 11:30 French D&D Case Study (F. Chambon)	10:30 – 12:00 Measuring Radionuclides in the Environment; Subsurface Characterization (B. Johnson)	10:30 – 11:15 Incremental Soil Sampling; Case Study (B. Johnson)	10:45 – 12:00 Conceptual Site Model Group Presentations to Stakeholders (B. Johnson and P. Booth)	10:45 – 12:45 Participants Action Plan Presentations
11:30 – 12:15 D&D Videos (L. Boing)		11:15 – 12:00 Exercise in Developing a Characterization Program (B. Johnson)		
LUNCH	LUNCH	LUNCH	LUNCH	LUNCH
1:00 – 5:00 D&D Exercise and Visit to EPA Warehouse (L. Boing and USEPA Region V)	1:00 – 3:00 RESRAD OFFSITE hands-on exercises	1:00 – 5:00 Site Characterization Equipment Demonstrations and Exercise (B. Johnson and USEPA Region V)	12:45 – 1:15 Case Study: If Things Have the Potential to Go Wrong They Will (P. Booth)	1:45 – 2:15 Key Concepts (L. Boing)
	BREAK		1:15 – 2:00 Case Study: In Situ and Ex Situ Soil Segregation (L. Durham)	2:15 – 3:00 Closing Remarks
			2:00 – 2:45 Case Study: In Situ Groundwater Treatment with Permeable Walls (L. Durham)	Optional Tour of Advanced Photon Source and Nuclear Engineering Exhibit
	3:15 – 5:00 Hands-on exercise cont.		BREAK	
			3:00 – 3:45 Site Closure: Final Status Surveys and MARSSIM (B. Johnson)	
			3:45 – 5:00 Participants Prepare Action Plans	
		7:00 Seminar at Hotel: U.S. Army Corps of Engineers Reducing and Communicating Uncertainty in ER Projects (D. Frothingham)	Group Dinner	