

**IAEA / Argonne Practical Training Course on Planning and Implementation
of Nuclear Facility Decommissioning and Remediation of Radioactively Contaminated Sites
April 13 – 24, 2015**

	Monday April 13	Tuesday April 14	Wednesday April 15	Thursday April 16	Friday April 17
Welcome Reception in Hotel Lobby, Sunday April 12, 2015, 6:00 PM	9:00 – 10:00 Welcome and Introductions, including Safety Lecture	8:30 – 9:30 Project Planning and Management within a Lifecycle Mgmt Framework (P. Booth)	8:30 – 9:30 Introduction to Decommissioning (L. Boing)	8:30 – 9:30 Safety Assessment (D. Draper)	8:30 – 9:30 RESRAD (Onsite) Overview (C. Yu)
	10:00 – 10:30 Course Overview & Objectives (K. Smith and L. Boing)	9:30 – 10:15 Determining End States and Future Site Uses (K. Smith)	9:30 – 10:30 Environment, Safety & Health Issues (T. Hansen)	9:30 – 10:30 Building Characterization (T. Hansen)	9:30 – 10:30 RESRAD (Onsite) Demonstration (D. LePoire)
	BREAK	BREAK	BREAK	BREAK	BREAK
	10:45 – 11:30 IAEA Networks & Resources (P. Booth and L. Boing)	10:30 – 11:30 Stakeholder Engagement (P. Booth)	10:45 – 12:00 Waste Management (L. Boing)	10:45 – 11:45 Decontamination Technologies (R. Demmer)	10:45 – 12:00 RESRAD (Onsite) hands-on exercise (C. Yu and D. LePoire)
	11:30 – 12:00 Argonne Case Study (L. Boing and L. Moos)	11:30 – 12:15 Conceptual Site Models (P. Booth)			
	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH
	1:00 – 3:00 Participants' Introductory Presentations	1:15 – 3:15 Painful Site Conceptual Site Model, hands-on exercise	1:00 – 1:45 Material Clearance (D. Draper)	12:45 – 1:45 Dismantling Technologies (L. Boing)	1:00 – 2:00 RESRAD-BUILD Overview (C.Yu)
			1:45 – 3:00 Cost Estimation and Contracting for D&D Projects (J. Carignan)	1:45 – 2:15 Remote Systems (Y. Park)	2:00 – 3:00 RESRAD-BUILD Demonstration (D. LePoire)
			3:00 – 3:30 Records (D. Draper)	2:15 – 3:00 Final Status Surveys (T. Hansen)	
	BREAK	BREAK	BREAK	BREAK	BREAK
	3:15 – 5:00 Participants' Introductory Presentations, cont.	3:30 – 4:30 Conceptual Site Model Group Presentations to Stakeholders (P. Booth)	3:45 – 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)	3:15 – 5:00 RESRAD-BUILD hands-on exercise (C. Yu and D. LePoire)
		4:30 – 5:00 Overview of Dose and Risk Assessment (C. Yu)			
		6:30 Group Dinner	7:00 Seminar at Hotel: Case Study of Zion Nuclear Power Plant Decommissioning (N. Williams, Energy Solutions)		

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Monday April 20	Tuesday April 21	Wednesday April 22	Thursday April 23	Friday April 24
8:30 – 9:30 Waste Disposal – Part 1 (V Rogers Jr)	8:30 – 10:15 Introduction to Env. Site Characterization; Env. Data Collection Realities (B. Johnson)	8:30 – 10:30 Surface Soils: Gamma Walkover Surveys; Gamma Walkover Case Study Incremental Soil Sampling Case Study (B. Johnson)	8:30 – 9:15 Remedial Action Alternatives (L. Martino)	8:30 – 10:30 Participants Action Plan Presentations
9:30 – 10:30 Evolving Technologies (J. Nokhamzon)			9:15 – 10:00 ER Cost Estimation (L. Martino)	
BREAK	BREAK	BREAK	BREAK	BREAK
10:45 – 11:30 Waste Disposal – Part 2 (V. Rogers)	10:30 – 12:30 Measuring Radionuclides in the Environment; Subsurface Characterization: Incremental Sampling Strategies for Surface Soils (B. Johnson)	10:45 – 11:30 Exercise in Developing a Characterization Program (B. Johnson)	10:15 – 11:00 ER Cost Estimation Exercise (L. Martino)	10:45 – 12:45 Participants Action Plan Presentations
11:30 – 12:30 Case Study: University of Buffalo Research Reactor D&D (D. Miller)			11:00 – 11:45 Site Closure: Final Status Surveys and MARSSIM (L. Durham)	
LUNCH	LUNCH	LUNCH	LUNCH	LUNCH
2:00 – 5:00 D&D Exercise and Visit to EPA Warehouse (L. Boing and USEPA Region V)	2:00 – 5:00 Site Characterization Equipment Demonstrations and Exercise (B. Johnson and USEPA Region V)	12:30 – 1:15 Evolving Conceptual Site Models: Case Studies (Bob Johnson)	12:45 – 1:30 Case study: French D&D Project (J. Nokhamzon)	1:45 – 2:15 Key Concepts (L. Boing and P. Booth)
		1:15 – 3:15 Updating the Conceptual Site Model, hands-on exercise (small groups) (B. Johnson and P. Booth)	1:30: 2:15 Case study: Plum Brook Research Reactor D&ER Project (A. Lombardo)	2:15 – 3:00 Closing Remarks
		BREAK	2:15 – 3:00 Case study: Permeable Treatment Wall at West Valley Site (L. Durham)	
		3:30 – 5:00 Conceptual Site Model Group Presentations to Stakeholders (B. Johnson and P. Booth)	3:15 – 4:00 Case study: Approach to Remediation Following the Fukushima Accident (P. Booth)	4:00 – 5:00 Participants Prepare Action Plans
		BREAK	7:00 Seminar at Hotel: IAEA CIDER Project Overview (H. Monken Fernandes) and French Waste Clearance Process (J. Nokhamzon)	
BREAK	BREAK	BREAK	BREAK	BREAK
			Group Dinner	