

**IAEA / Argonne Practical Training Course on Planning and Implementation  
of Nuclear Facility Decommissioning and Remediation of Radioactively Contaminated Sites  
April 11 – 22, 2016**

	<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>
<b>Welcome Reception in Hotel Lobby, Sunday April 10, 2016, 6:00 PM</b>	9:00 – 10:00 Welcome and Introductions, including Safety Lecture	8:30 – 9:45 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 – 9:00 Overview of Radiological Dose Assessment (C. Yu)
					9:00 – 9:30 RESRAD (Onsite) Overview (C. Yu)
	10:00 – 10:30 Course Overview & Objectives (K. Smith and L. Boing)	9:45 – 10:30 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)	10:45 – 11:45 Stakeholder Engagement (P. Booth)	10:45 – 12:00 Waste Management (M. Kirshe)	10:45 – 11:45 Decontamination Technologies (L. Boing)	10:45 – 12:00 RESRAD (Onsite) hands-on exercise (C. Yu and D. LePoire)
	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH
	12:30 – 1:15 Argonne Case Study (L. Boing and L. Moos)	12:45 – 1:30 Conceptual Site Models (P. Booth)	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)
	1:15 – 3:00 Participants' Introductory Presentations	1:30 – 3:30 Painful Site Conceptual Site Model, hands-on exercise (small groups)	1:45 – 3:30 Cost Estimation and Contracting for D&D Projects (J. Carignan)	1:45 – 2:15 Records (D. Draper)	2:00 – 3:00 RESRAD-BUILD Demonstration (D. LePoire)
				2:15 – 3:00 Final Status Surveys (T. Hansen)	3:00 – 3:15 Weekend Packet Review
	BREAK	BREAK	BREAK	BREAK	BREAK
3:15 – 5:00 Participants' Introductory Presentations, cont.	3:45 – 5:00 Conceptual Site Model Group Presentations (P. Booth)	3:45 – 5:00 D&D Planning Exercise (small groups) (L. Boing)	3:00 – 5:00 D&D Exercise: Developing a Final Status Survey (small groups) (L. Boing and T. Hanson)	3:30 – 5:00 RESRAD-BUILD hands-on exercise (C. Yu and D. LePoire)	
	6:30 Group Dinner Hosted by the Program	7:00 Seminar at Hotel: PPE Demonstration M. Dieterle, Quest Environmental			

**IAEA / Argonne Practical Training Course on Planning and Implementation  
of Nuclear Facility Decommissioning and Remediation of Radioactively Contaminated Sites  
April 11 – 22, 2016**

<b>Monday April 18</b>	<b>Tuesday April 19</b>	<b>Wednesday April 20</b>	<b>Thursday April 21</b>	<b>Friday April 22</b>
8:30 – 10:00 IAEA Perspectives (H. Monken Fernandes)	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)  9:15 – 10:00 ER Cost Estimation (L. Martino)	8:30 – 10:30 Participants Action Plan Presentations
BREAK	BREAK	BREAK	BREAK	BREAK
10:15 – 12:00 Waste Disposal (V. Rogers Jr)	10:30 – 12:30 Measuring Radionuclides in the Environment; Subsurface Characterization; Incremental Sampling Strategies for Surface Soils (B. Johnson)	10:45 – 12:00 Exercise in Developing a Characterization Program (B. Johnson)	10:15 – 11:00 ER Cost Estimation Exercise (L. Martino)  11:00 – 11:45 Site Closure: Final Status Surveys and MARSSIM (L. Durham)	10:45 – 12:45 Participants Action Plan Presentations
LUNCH	LUNCH	LUNCH	LUNCH	LUNCH
1:00-2:00 Case Study: University of Buffalo Research Reactor D&D (D. Miller)	2:00 – 5:00 Demonstrations of Characterization Equipment and Application (USEPA Region V)	1:00 – 1:45 Evolving Conceptual Site Models: Case Studies (Bob Johnson)	12:45 – 1:30 Applying the Principles of WBS within Project Mgmt (and Introduction to Exercise) (P. Booth)	1:45 – 2:15 Key Concepts (L. Boing and P. Booth)
2:00-3:00 Case Study of Zion Nuclear Power Plant Decommissioning (N. Williams, Zion Solutions)		1:45 – 3:30 Updating the Conceptual Site Model, hands-on exercise (small groups) (B. Johnson and P. Booth)	1:30: 3:45 Developing Integrated Project WBS and Timeline for Painful Site (small groups)	2:15 – 3:00 Closing Remarks
BREAK		BREAK	BREAK	
3:15 – 5:00 Alpha Gamma Hot Cell Facility		3:45 – 5:00 Conceptual Site Model Group Presentations (B. Johnson and P. Booth)	4:00 – 5:00 Group Discussion of Integrated WBS and Timeline for Painful Site	
		6:45 Seminar at Hotel with Pizza Party Hosted by the Program: Case study on IAEA mobile lab (G. Jablonowski, USEPA)		