

IAEA / Argonne
Regional Training Course in Nuclear Facility Decommissioning and Environmental Remediation Skills
April 16 – 27, 2012

Monday April 16	Tuesday April 17	Wednesday April 18	Thursday April 19	Friday April 20
9:00 – 9:45 Welcome and Introductions, including Safety Lecture	8:30 – 10:30 D&D Project Management and Cost Estimation (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 D&D Work Area Logistics/Setup (D. Draper)
9:45 – 10:30 Course Overview & Objectives and Study Site Presentation		9:00 – 10:30 Dose and Risk Assessment for Building Contamination: RESRAD-BUILD	9:30 – 10:30 Environment, Safety & Health (T. Hansen)	9:30 – 10:30 D&D Site Characterization (T. Hansen)
BREAK	BREAK: Group Photo (30 min.)	BREAK	BREAK	BREAK
10:45 – 11:15 IAEA Networks: ENVIRONET and IDN (P. Booth, L. Boing)	11:00 – 11:30 Conceptual Site Models (P. Booth)	10:45 – 11:30 RESRAD-BUILD, cont.	10:45 – 11:45 USNRC D&D Regulatory Perspectives (P. Michalak)	10:45 – 11:45 Material Clearance (D. Draper)
	11:30 – 12:15 Conceptual Site Models, hands- on exercise (small groups) (P. Booth)	11:30 – 12:00 Dose and Risk Assessment for Soil Contamination: RESRAD-OFFSITE	11:45 – 12:45 Waste Management-1 (R. Shult)	11:45 – 12:15 Case Study – Small Facilities (T. Hansen)
LUNCH	LUNCH	LUNCH	LUNCH	LUNCH
12:15 – 1:00 Case Study: Battelle Columbus Lab Site Closure Project (T. Baillieux)	1:15 – 2:15 Conceptual Site Models, hands- on exercise, cont.	1:00 – 3:00 RESRAD-OFFSITE, cont.	1:45 – 2:45 Waste Management-2 incl facilitated group exercise (R. Shult)	1:15 – 2:15 Decontamination Technologies (L. Boing)
1:00 – 3:00 Participants' Presentations				2:15 – 3:15 Safety assessment (D. Draper)
BREAK	BREAK	BREAK	BREAK	BREAK
3:15 – 5:00 Participants' Presentations, cont.	3:00 – 4:15 Stakeholder Engagement, incl. facilitated group exercise (P. Booth)	3:15 – 4:45 RESRAD Demonstrations, incl. facilitated group exercise	3:00 – 4:45 D&D hands-on exercise – Planning Exercise (L. Boing)	3:30 – 4:45 D&D hands-on exercise – WBS/Cost Estimating Exercise (L. Boing)
	4:15 – 4:45 Risk Communication (P. Booth)			
	4:45 – 5:00 Relevant IAEA Standards, Guidance, and Publications	4:45 – 5:00 Relevant IAEA Standards, Guidance, and Publications	4:45-5:00 Crosswalk - Relevant IAEA Standards, Guidance, and Publications	4:45-5:00 Crosswalk - Relevant IAEA Standards, Guidance, and Publications

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Monday April 23	Tuesday April 24	Wednesday April 25	Thursday April 26	Friday April 27
8:30 – 9:30 Dismantling Technologies (L. Boing)	8:30 – 10:15 Env. Site Characterization – Introduction Data Collection (B. Johnson)	8:30 – 10:15 Env. Site Characterization – Dynamic Data Collection Strategies Data Management	8:30 – 9:15 Case Study: In Situ and Ex Situ Soil Segregation (L. Durham)	8:30 – 10:30 Participants Action Plan Presentations
9:30 – 10:30 Remote Technologies (M. Noakes)			9:15 – 10:00 Case Study: Site Char., Monit. & Integration of Remedial System Design (L. LaFreniere)	
BREAK	BREAK	BREAK	BREAK	BREAK
10:45 – 11:45 Waste Disposal – How and Why (V. Rogers)	10:30 – 12:00 Env. Site Characterization – Measurement Technologies, Subsurface Characterization (B. Johnson)	10:30 – 11:30 Site Characterization Case Study (B. Johnson)	10:15 – 11:00 Case Study: In Situ Groundwater Treatment with Permeable Walls (L. Durham)	10:45 – 12:45 Participants Action Plan Presentations
11:45 – 1:00 D&D Final Status Surveys (R. Aker)		11:30 – 12:00 Case Study (Using Site Investigation Data to Drive the Decisionmaking Process) (P. Booth)	11:00 – 11:45 Case Study: Phytoremediation of Contaminated Groundwater (J. Quinn)	
LUNCH	LUNCH	LUNCH	LUNCH	LUNCH
2:00 – 3:00 Case Study: French D&D (F. Chambon)	1:00 – 3:00 Env. Site Characterization hands-on exercise (small groups) (B. Johnson)	1:00 – 3:00 Site Characterization Equipment Demonstrations (USEPA Region V)	12:45 – 2:45 Tour of Argonne Site, including visit to Phytoremediation Site	1:30 – 2:00 Key Concepts (L. Boing)
3:00 – 4:00 Evolving Technologies (F. Chambon)				2:00 – 3:00 Closing Remarks
BREAK	BREAK	BREAK	BREAK	Optional Tour of Advanced Photon Source and Nuclear Engineering Exhibit
4:15 – 4:45 D&D Videos and Q&A (L. Boing)	3:15 – 4:45 Hands-on exercise cont.	3:15 – 5:00 Site Characterization Equipment Demonstrations (USEPA Region V)	3:00 – 3:45 Site Closure: Final Status Surveys and MARSSIM (B. Johnson)	
4:45 – 5:00 Relevant IAEA Standards, Guidance, and Publications	4:45 – 5:00 Relevant IAEA Standards, Guidance, and Publications		3:45 – 5:00 Participants Prepare Action Plans	