

RESRAD Virtual Training Course Agenda October 4-15, 2021

(Covering Advanced RESRAD-ONSITE & -OFFSITE, RESRAD-BIOTA, and RESRAD-RDD)

Preliminary Agenda – Subject to Change

Day 1 (October 4)	
Chicago Time	<i>Advanced RESRAD-ONSITE</i>
8:00 – 8:55	Review of RESRAD-ONSITE
9:05 – 9:55	The Beginning of DCGL Journey – Determine Radionuclides of Concern (ROCs)
10:05 – 10:55	DCGL Challenge – Kd Options
11:05 – 12:00	Hands-on Problem
Day 2 (October 5)	
8:00 – 8:55	Mass Balance and Non-dispersive Models in RESRAD-ONSITE
9:05 – 9:55	Deriving DCGLs for Groundwater
10:05 – 10:55	DCGL for Hot Spot – Non-Uniform Contamination
11:05 – 12:00	RESRAD-OFFSITE Overview - Offsite Resident Scenario
Day 3 (October 6)	
Chicago Time	<i>Advanced RESRAD-OFFSITE</i>
8:00 – 8:55	Release Options
9:05 – 9:55	Radionuclide Balance using intermediate output
10:05 – 10:55	Submerged Primary Contamination
11:05 – 12:00	Groundwater transport: Well, Progeny
Day 4 (October 7)	
8:00 – 8:55	Fence line Analysis
9:05 – 9:55	Area Factors
10:05 – 10:55	Probabilistic Analysis
11:05 – 12:00	Data Transfer Menu

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Day 5 (October 8)	
Chicago Time	<i>RESRAD-BIOTA</i>
8:00 – 8:55	Overview of RESRAD-BIOTA
9:05 – 9:55	RESRAD-BIOTA Demonstration
10:05 – 10:55	DOE Graded Approach Methodology
11:05 – 12:00	Screening Analysis
Day 6 (October 11)	
8:00 – 8:55	Site-specific Screening Analysis
9:05 – 9:55	Principles of Ecological Risk Assessment
10:05 – 10:55	Site-specific Analysis
11:05 – 12:00	Sensitivity Analysis
Day 7 (October 12)	
8:00 – 8:55	Organism Specific Factors
9:05 – 9:55	Case Study I
10:05 – 10:55	Case Study II and Food Chain/Web Model
11:05 – 12:00	Wildlife Transfer Factors

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Day 8 (October 13)	
<i>Chicago Time</i>	<i>RESRAD-RDD</i>
8:00 – 8:55	Overview and Protective Action Decisions
9:05 – 9:55	Methodology
10:05 – 10:55	Demo & Hands-on
11:05 – 12:00	Group A, Access During Emergency Response
Day 9 (October 14)	
8:00 – 8:55	Group B, Early-Phase Protective Actions
9:05 – 9:55	Group C, Relocation
10:05 – 10:55	Group D, Temporary Access
11:05 – 12:00	Group E, Transportation
Day 10 (October 15)	
8:00 – 8:55	Group F, Release of Property
9:05 – 9:55	Group G, Food Consumption
10:05 – 10:55	Additional Scenarios
11:05 – 12:00	Review and Discussion