

RESRAD Virtual Training Course Agenda May 3-14, 2021

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

Day 1 (May 3)	
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	Mass Balance and Non-dispersive Models in RESRAD-ONSITE
Day 2 (May 4)	
8:00 – 8:55	Deriving DCGLs for Groundwater
9:05 – 9:55	Non-traditional Proposal – Onsite Burial of Concrete
10:05 – 10:55	DCGL for Hot Spot – Non-Uniform Contamination
11:05 – 12:00	RESRAD-OFFSITE Overview
Day 3 (May 5)	
Chicago Time	<i>Advanced RESRAD-OFFSITE</i>
8:00 – 8:55	Probabilistic Analysis
9:05 – 9:55	Release Options Model
10:05 – 10:55	Submerged Source
11:05 – 12:00	Intermediate Inputs
Day 4 (May 6)	
8:00 – 8:55	Groundwater Deterministic / Probabilistic Analysis
9:05 – 9:55	Surface Water Body
10:05 – 10:55	Area Factors
11:05 – 12:00	Fenceline Analysis

RESRAD Virtual Training Course Agenda

Day 5 (May 7)	
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	Screening Analysis
11:05 – 12:00	DOE Graded Approach Methodology
Day 6 (May 10)	
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 (May 11)	
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

RESRAD Virtual Training Course Agenda

Day 8 (May 12)	
Chicago Time	<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 (May 13)	
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 (May 14)	
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