

RESRAD Virtual Training Course Agenda April 19-29, 2021

(Covering RESRAD-ONSITE, -OFFSITE, -BUILD)

Day 1 (April 19)	
Chicago Time	<i>RESRAD-ONSITE</i>
8:00 – 8:55	Introduction & Overview
9:05 – 9:55	RESRAD–ONSITE Input Demonstration
10:05 – 10:55	RESRAD–ONSITE Output Demonstration
11:05 – 12:00	Hands–on Walkthrough – RESRAD Case (Assumptions, Scenarios)
Day 2 (April 20)	
8:00 – 8:55	RESRAD–ONSITE Methodology (1)
9:05 – 9:55	Hands–on Walkthrough – Cover Effect on Pathways
10:05 – 10:55	RESRAD–ONSITE Methodology (2)
11:05 – 12:00	Analysis Tools & Nuclide Factors
Day 3 (April 21)	
8:00 – 8:55	Putting it all together
9:05 – 9:55	Hands–on Walkthrough
10:05 – 10:55	Special Radionuclides C–14, H–3, and Radon
11:05 – 12:00	Hands–on Problem and Verification and Validation

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Day 4 (April 22)	
Chicago Time	<i>RESRAD-OFFSITE</i>
8:00 – 8:55	Overview of RESRAD-OFFSITE
9:05 – 9:55	RESRAD-ONSITE exponential release model
10:05 – 10:55	Groundwater transport
11:05 – 12:00	Additional Release models
Day 5 (April 23)	
8:00 – 8:55	Additional Release models (continued)
9:05 – 9:55	Timed release
10:05 – 10:55	Groundwater transport
11:05 – 12:00	Atmospheric transport
Day 6 (April 26)	
8:00 – 8:55	Accumulation in soil
9:05 – 9:55	Surface water body
10:05 – 10:55	Modeling onsite scenario
11:05 – 12:00	Q&A and Discussion
Day 7 (April 27)	
8:00 – 8:55	Deterministic Offsite Resident Scenario
9:05 – 9:55	Sensitivity Analysis of Scenario
10:05 – 10:55	Probabilistic Analysis of Scenario
11:05 – 12:00	Q&A and Discussion on preceding analysis

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Day 8 (April 28)	
Chicago Time	<i>RESRAD-BUILD</i>
8:00 – 8:55	Introduction & Demo Input
9:05 – 9:55	Demo Output
10:05 – 10:55	Hands-on
11:05 – 12:00	Methodology
Day 9 (April 29)	
8:00 – 8:55	Advanced Case
9:05 – 9:55	New Air Model
10:05 – 10:55	New Source Model
11:05 – 12:00	Hands-on