

# RESRAD Virtual Training Course Agenda September 20 - October 1, 2021

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

Preliminary Agenda – Subject to Change

<b>Day 1 (September 20)</b>	
<b>Chicago Time</b>	<b><i>RESRAD-ONSITE</i></b>
8:00 – 8:55	Introduction and 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)
<b>Day 2 (September 21)</b>	
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 and Nuclide Factors
<b>Day 3 (September 22)</b>	
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 / Verification and Validation

# RESRAD Virtual Training Course Agenda

<b>Day 4 (September 23)</b>	
Chicago Time	<i><b>RESRAD-OFFSITE</b></i>
8:00 – 8:55	Overview of RESRAD-OFFSITE
9:05 – 9:55	Demonstration of RESRAD-OFFSITE
10:05 – 10:55	
11:05 – 12:00	
<b>Day 5 (September 24)</b>	
8:00 – 8:55	Atmospheric Transport
9:05 – 9:55	
10:05 – 10:55	Groundwater Transport
11:05 – 12:00	
<b>Day 6 (September 27)</b>	
8:00 – 8:55	Accumulation in Soil and Surface Water Body
9:05 – 9:55	
10:05 – 10:55	Release Options
11:05 – 12:00	
<b>Day 7 (September 28)</b>	
8:00 – 8:55	Deterministic Analysis of Offsite Resident Scenario
9:05 – 9:55	
10:05 – 10:55	Sensitivity Analysis of Offsite Resident Scenario
11:05 – 12:00	Modeling Onsite Scenarios: Simulating RESRAD-ONSITE

# RESRAD Virtual Training Course Agenda

<b>Day 8 (September 29)</b>	
<b>Chicago Time</b>	<b><i>RESRAD-BUILD</i></b>
8:00 – 8:55	Introduction and Demo Input
9:05 – 9:55	Demo Output
10:05 – 10:55	Hands-on
11:05 – 12:00	Methodology
<b>Day 9 (September 30)</b>	
8:00 – 8:55	Advanced Case
9:05 – 9:55	Hands-on and Review
10:05 – 10:55	Advanced Case with Intermittent Decon
11:05 – 12:00	Transient Model and New Features
<b>Day 10 (October 1)</b>	
8:00 – 8:55	Dose Versus Risk Based Cleanup Guidelines
9:05 – 9:55	Probabilistic Analysis
10:05 – 10:55	Hands-on
11:05 – 12:00	Q and A / Course Evaluation