

# RESRAD Training Course Agenda March 11–15, 2024

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

Preliminary Agenda – Subject to Change

<b>Day 1 (March 11)</b>	
Time	<i>RESRAD-ONSITE</i>
8:45 – 9:00	Check-in
9:00 – 9:45	Introduction and Overview
9:45 – 10:30	RESRAD–ONSITE Input Demonstration
10:40 – 11:20	RESRAD–ONSITE Output Demonstration
11:20 – 12:00	Hands–on Walkthrough – RESRAD Case (Assumptions, Scenarios)
12:00 – 1:15	Lunch
1:15 – 1:55	RESRAD–ONSITE Methodology (1)
1:55 – 2:45	Hands–on Walkthrough – Cover Effect on Pathways
3:00 – 3:50	RESRAD–ONSITE Methodology (2)
3:50 – 4:45	Analysis Tools and Nuclide Factors
<b>Day 2 (March 12)</b>	
8:30 – 9:20	Putting it All Together
9:20 – 10:10	Hands–on Walkthrough
10:20 – 11:10	Special Radionuclides C–14, H–3, and Radon
11:10 – 12:00	Hands-on Walkthrough
12:00 – 1:15	Lunch
1:15 – 1:55	Non-uniform Sources
1:55 – 2:45	Hands-On
3:00 – 3:50	Reviewing a Proposed Analysis
3:50 – 4:45	Hands–on Problem / Verification and Validation

# RESRAD Training Course Agenda

Day 3 (March 13)	
Time	<i>RESRAD-OFFSITE</i>
8:30 – 8:50	Overview of RESRAD-OFFSITE
8:50 – 10:10	Hands-on Demonstration of RESRAD-OFFSITE & 10 min break
10:20 – 11:05	Hands-on Demonstration of RESRAD-OFFSITE (continued)
11:15 – 12:00	Hands-on Demonstration of RESRAD-OFFSITE (continued)
12:00 – 1:15	Lunch
1:15 – 2:00	Hands-on Simulate RESRAD-ONSITE Case I and II & discussion
2:10 – 2:55	Hands-on Onsite Scenario Template Case I and II & discussion
3:05 – 3:50	Primary Contamination
4:00 – 4:45	Atmospheric Transport
Day 4 (March 14)	
8:30 – 9:15	Groundwater Transport
9:25– 10:10	Accumulation, Exposure, Overview of Features in the Code
10:20 – 11:05	Hands-on Deterministic Analysis of Offsite Resident Scenario
11:15 – 12:00	Hands-on Deterministic Analysis of Offsite Resident Scenario
12:00 – 1:15	Lunch

# RESRAD Training Course Agenda

Day 4 (continued)	
Time	<i>RESRAD-BUILD</i>
1:15 – 1:55	Introduction and Demo Input
1:55 – 2:45	Demo Output
3:00 – 3:50	Hands-on
3:50 – 4:45	Methodology
Day 5 (March 15)	
8:30 – 9:20	Advanced Case
9:20 – 10:10	Hands-on and Review
10:20 – 11:10	Advanced Case with Intermittent Decontamination
11:10 – 12:00	Transient Model and New Features
12:00 – 1:15	Lunch
1:15 – 1:55	Dose Versus Risk Based Cleanup Guidelines
1:55 – 2:45	Options for Deriving Guidelines
3:00 – 3:50	Hands-on
3:50 – 4:45	Q and A / Course Evaluation