

**RESRAD-ONSITE, RESRAD-OFFSITE, and
RESRAD-BUILD Training Workshop
Conducted at Argonne National Laboratory
Argonne, IL
September 17-21, 2018**

<i>RESRAD-ONSITE Workshop Agenda</i>	
Day 1	September 17, 2018
8:45 – 9:00	Registration
9:00 – 9:20	Opening Remarks/Introduction
9:20 – 9:50	RESRAD-ONSITE Overview
9:50 – 10:30	RESRAD-ONSITE Input Demonstration
10:30 – 10:40	Break
10:40 – 11:20	RESRAD-ONSITE Output Demonstration
11:20 – 12:00	Hands-on Walkthrough - RESRAD Case (Assumptions, Scenarios, Sensitivity)
12:00 – 1:00	Lunch
1:00 – 1:45	RESRAD-ONSITE Methodology
1:45 – 2:30	Hands-on Walkthrough - Cover Effect on Pathways
2:30 – 2:45	Break
2:45 – 3:45	RESRAD-ONSITE Methodology (continued)
3:45 – 4:45	Hands-on Problem and Review

Day 2	September 18, 2018
8:30 – 9:20	Analysis Tools
9:20 – 9:40	Nuclide Factors
9:40 – 10:30	Hands-on Problem and Review
10:30 – 10:45	Break
10:45 – 11:15	Putting It All Together – How RESRAD Fits In
11:15 – 12:00	Hands-on Problem and Review
12:00 – 1:00	Lunch
1:00 – 1:30	Special Radionuclides C-14, H-3, and Radon
1:30 – 2:30	Hands-on Problem and Review
2:30 – 2:45	Break
2:45 – 3:30	Additional Issues
3:30 – 4:20	Hands-on Walkthrough - Uncertainty, Sharing, Documenting
4:20 – 4:45	Verification & Validation

RESRAD-OFFSITE Workshop Agenda	
Day 3	September 19, 2018
8:30 – 9:00	Overview of RESRAD-OFFSITE
9:00 – 10:30	RESRAD-OFFSITE Input Demonstration
10:30 – 10:45	Break
10:45 – 11:45	RESRAD-OFFSITE Output Demonstration
12:00 – 1:00	Lunch
1:00 – 2:00	Hands-on onsite scenario to illustrate the similarities and differences between the RESRAD-ONSITE and RESRAD-OFFSITE codes
2:00 – 2:45	Contamination & Release Model
2:45 – 3:40	Hands-on and review
3:40 – 3:50	Break
3:50 – 4:30	Air Dispersion
4:30 – 4:45	Hands-on and review

Day 4	September 20, 2018
8:30 – 9:00	Groundwater Model
9:00 – 10:00	Hands-on and review
10:00 – 10:15	Break
10:15 – 10:45	Offsite Accumulation and Exposure
10:45 – 11:45	Hands-on and review
11:45 – 1:00	Lunch
1:00 – 2:30	Integrated Offsite Scenario
2:30 – 2:45	Break
2:45 – 4:45	Probabilistic Analysis

<i>RESRAD-BUILD Workshop Agenda</i>	
Day 5	September 21, 2018
8:30 – 9:15	Workshop Overview & Introduction to RESRAD-BUILD
9:15 – 10:00	RESRAD-BUILD Input Demo
10:00 – 10:10	Break
10:10 – 10:30	RESRAD-BUILD Output Demo
10:30 – 11:15	Hands-on
11:15 – 11:45	RESRAD-BUILD Methodology
11:45 – 1:00	Lunch
1:00 – 1:40	RESRAD-BUILD Methodology (Cont'd)
1:40 – 2:30	Hands-on and review
2:30 – 2:50	Advanced Features Demonstration
2:50 – 3:00	Break
3:00 – 3:15	Hands-on and review
3:15 – 3:40	Problem Solving Techniques
3:40 – 3:50	Verification and Validation
3:50 – 4:00	Hands-on/Course Evaluation