

# RESRAD-ONSITE, RESRAD-OFFSITE, and RESRAD-BUILD Training Workshop

Conducted at  
Argonne National Laboratory  
Argonne, IL  
August 14-18, 2017

<b>RESRAD-ONSITE Workshop</b>	
<b>Day 1</b>	<b>August 14</b>
8:45-9:00	Registration
9:00-9:20	Opening Remarks/Introduction
9:20-9:40	Overview of RESRAD-ONSITE
9:40-10:40	Input Demonstration
10:40-10:50	Break
10:50-11:30	Output Demonstration
11:30-1:00	Lunch
1:00-2:00	Case Hands-on
2:00 – 3:00	Methodology
3:00 – 3:40	Hands-on (deterministic)
3:40 - 3:50	Break
3:50 – 4:15	Methodology (continued)
4:15 – 4:45	Hands-on and review

<b>Day 2</b>	<b>August 15</b>
8:30- 9:00	RESRAD Family of Codes
9:00 – 9:50	Hands-on and review
9:50- 10:00	Break
10:00- 10:40	Data Requirements
10:40- 11:00	Distribution Coefficients
11:00- 11:45	Hands-on and review
11:45- 1:00	Lunch
1:00 - 1:40	Sensitivity Analysis

1:40 - 2:30	Hands-on and review
2:30 - 3:00	Dose and Risk Coefficient and DCF Editor
3:00 - 3:10	Break
3:10 - 3:45	Problem Solving- An Example
3:45 - 4:00	Verification & Validation
4:00 - 4:45	Hands-on/Course Evaluation

<b>RESRAD-OFFSITE</b>	
<b>Day 3</b>	<b>August 16</b>
8:30-9:00	Review of RESRAD-OFFSITE
9:00-10:30	RESRAD Input Demonstration
10:30-10:45	Break
10:45-11:45	RESRAD Output Demonstration
12:00-1:00	Lunch
1:00-2:00	RESRAD-Offsite Differences
2:00 – 3:00	Contamination & Release Model
3:00 – 3:40	Hands-on (deterministic)
3:40 - 3:50	Break
3:50 – 4:30	Air Dispersion
4:30 - 4:45	Hands-on and review

<b>Day 4</b>	<b>August 17</b>
8:30 – 9:30	Groundwater Model
9:30 - 10:00	Hands-on and review
10:00 - 10:15	Break
10:15 - 10:45	Offsite Accumulation
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

**RESRAD-BUILD Workshop Agenda**

<b>Day 5</b>	<b>August 18</b>
8:30 – 8:50	Introduction
8:50 – 9:15	RESRAD-BUILD Overview
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