

RESRAD Virtual Training Course Agenda

March 28 – April 8, 2022

(Covering Advanced RESRAD-ONSITE & -OFFSITE, RESRAD-BIOTA, and RESRAD-RDD)

Preliminary Agenda – Subject to Change

| Day 1 (March 28) | | |
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| Chicago Time | RESRAD-BIOTA | UTC, GMT |
| 8:00 – 8:55 | Overview of RESRAD-BIOTA | 13:00 – 13:55 |
| 9:05 – 9:55 | RESRAD-BIOTA Demonstration | 14:05 – 14:55 |
| 10:05 – 10:55 | DOE Graded Approach Methodology | 15:05 – 15:55 |
| 11:05 – 12:00 | Screening Analysis | 16:05 – 17:00 |
| Day 2 (March 29) | | |
| 8:00 – 8:55 | Site-specific Screening Analysis | 13:00 – 13:55 |
| 9:05 – 9:55 | Principles of Ecological Risk Assessment | 14:05 – 14:55 |
| 10:05 – 10:55 | Site-specific Analysis | 15:05 – 15:55 |
| 11:05 – 12:00 | Sensitivity Analysis | 16:05 – 17:00 |
| Day 3 (March 30) | | |
| 8:00 – 8:55 | Organism Specific Factors | 13:00 – 13:55 |
| 9:05 – 9:55 | Case Study I | 14:05 – 14:55 |
| 10:05 – 10:55 | Case Study II and Food Chain/Web Model | 15:05 – 15:55 |
| 11:05 – 12:00 | Wildlife Transfer Factors | 16:05 – 17:00 |
| Day 4 (March 31) | | |
| Chicago Time | RESRAD-RDD | UTC, GMT |
| 8:00 – 8:55 | Overview and Protective Action Decisions | 13:00 – 13:55 |
| 9:05 – 9:55 | Methodology | 14:05 – 14:55 |
| 10:05 – 10:55 | Demo & Hands-on | 15:05 – 15:55 |
| 11:05 – 12:00 | Group A, Access During Emergency Response | 16:05 – 17:00 |
| Day 5 (April 1) | | |
| 8:00 – 8:55 | Group B, Early-Phase Protective Actions | 13:00 – 13:55 |
| 9:05 – 9:55 | Group C, Relocation | 14:05 – 14:55 |

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| 10:05 – 10:55 | Group D, Temporary Access | 15:05 – 15:55 |
| 11:05 – 12:00 | Group E, Transportation | 16:05 – 17:00 |
| Day 6 (April 4) | | |
| 8:00 – 8:55 | Group F, Release of Property | 13:00 – 13:55 |
| 9:05 – 9:55 | Group G, Food Consumption | 14:05 – 14:55 |
| 10:05 – 10:55 | Additional Scenarios | 15:05 – 15:55 |
| Chicago Time | <i>Advanced RESRAD-ONSITE</i> | UTC, GMT |
| 11:05 – 12:00 | Review of RESRAD-ONSITE | 16:05 – 17:00 |
| Day 7 (April 5) | | |
| 8:00 – 8:55 | The Beginning of DCGL Journey – Determine Radionuclides of Concern (ROCs) | 13:00 – 13:55 |
| 9:05 – 9:55 | DCGL Challenge – Kd Options | 14:05 – 14:55 |
| 10:05 – 10:55 | Hands-on Problem | 15:05 – 15:55 |
| 11:05 – 12:00 | Mass Balance and Non-dispersive Models in RESRAD-ONSITE | 16:05 – 17:00 |
| Day 8 (April 6) | | |
| 8:00 – 8:55 | Deriving DCGLs for Groundwater | 13:00 – 13:55 |
| 9:05 – 9:55 | DCGL for Hot Spot – Non-Uniform Contamination | 14:05 – 14:55 |
| Chicago Time | <i>Advanced RESRAD-OFFSITE</i> | UTC, GMT |
| 10:05 – 10:55 | RESRAD-OFFSITE Overview - Offsite Resident Scenario | 15:05 – 15:55 |
| 11:05 – 12:00 | Release Options | 16:05 – 17:00 |
| Day 9 (April 7) | | |
| 8:00 – 8:55 | Radionuclide Balance using intermediate output | 13:00 – 13:55 |
| 9:05 – 9:55 | Submerged Primary Contamination | 14:05 – 14:55 |
| 10:05 – 10:55 | Groundwater transport: Well, Progeny | 15:05 – 15:55 |
| 11:05 – 12:00 | Fence line Analysis | 16:05 – 17:00 |
| Day 10 (April 8) | | |
| 8:00 – 8:55 | Area Factors | 13:00 – 13:55 |
| 9:05 – 9:55 | Probabilistic Analysis | 14:05 – 14:55 |
| 10:05 – 10:55 | Data Transfer Menu | 15:05 – 15:55 |
| 11:05 – 12:00 | Review and Discussion | 16:05 – 17:00 |