

Nondestructive Assay Holdup Measurements Training for Nuclear Criticality Safety

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Schedule of Topics

Day 1	
Time	Event
7:30AM-8:00AM	Check-In at Badge Office
8:00AM-9:00AM	Welcoming Remarks & Introduction
9:00AM-10:00AM	1.1 Holdup Measurement Program
10:00AM-10:15AM	BREAK
10:15AM-11:45AM	1.2 Detection Fundamentals
11:45AM-12:30PM	WORKING LUNCH – Radiation Basics Discussion
12:30PM-2:30PM	1.3 Spectrum Acquisition
2:30PM-2:45PM	BREAK
2:45PM-3:45PM	1.4 Measurement Corrections
3:45PM-5:00PM	1.5 Gamma Corrections Exercises
5:00PM	CLOSE FOR THE DAY

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Day 2	
Time	Event
8:00AM-9:30AM	1.5 Gamma Corrections Exercises (cont.)
9:30AM-10:00AM	Briefing/Review
10:00AM-10:15AM	BREAK
10:15AM-11:45AM	2.1 GGH Theory and Models for Holdup Measurements
11:45AM-12:45PM	WORKING LUNCH – Holdup Measurement Environment Challenges
12:45PM-1:15PM	2.2 Role of Process Knowledge
1:15PM-3:00PM	2.3 GGH Detector Setup and Calibration Exercise
3:00PM-3:15PM	BREAK
3:15PM-5:00PM	2.3 GGH Detector Setup and Calibration Exercise
5:00PM	CLOSE FOR THE DAY

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Day 3	
Time	Event
8:30AM-9:00AM	Briefing/Review
9:00AM-10:15AM	3.1 GGH Measurements and Analysis
10:15AM-10:30AM	BREAK
10:30AM-11:30AM	3.2 GGH Analysis Hand Calcs
11:30AM-12:00PM	3.3 Characterization Overview
12:00PM-1:00PM	WORKING LUNCH – Holdup Measurement Practices in Nuclear Facilities
1:00PM-3:00PM	3.4 GGH Measurements Exercise
3:00PM-3:15PM	BREAK
3:15PM-5:00PM	3.4 GGH Measurements Exercise
5:00PM	CLOSE FOR THE DAY

Day 4	
Time	Event
8:00AM-8:30AM	Briefing/Review
8:30AM-9:30AM	Continue 3.5 GGH Measurements Exercise
9:30AM-10:30AM	4.1 Field Measurements
10:30AM-10:45AM	BREAK
10:45AM-12:30PM	4.2 ISOCS Demonstration
12:30PM-1:30PM	WORKING LUNCH – 4.3 Gamma Imaging for Holdup Discussion
1:30PM-2:00PM	4.4 Data Analysis and Reporting
2:00PM-3:00PM	4.5 Uncertainty Discussion
3:00PM-3:15PM	BREAK
3:15PM-4:00PM	4.6 Lessons Learned
4:00PM-4:45PM	4.7 Application of Holdup Measurement Results to Criticality Safety Evaluation
4:45PM-5:00PM	Closeout and Participant Feedback Survey
5:00PM	CLOSE FOR THE DAY