
Sample Agenda

Day 1

0830 – 0900 Registration and Continental Breakfast

0900 – 0915 INTRODUCTION

SAM 935 Real time detection, identification and analysis of radioactive materials.

0915 – 1015 SAM 935 System Overview – Understanding the System Operation.

- Smart Interface to the MCA
- QCC Technology
- Library and Modes of Operation
- Calibration and Background Measurement
- Alarms, Reports and Analysis
- Batteries and Charging
- Summary, Feedback and Questions

1015 – 1030 *Break*

1030 – 1200 INTERACTIVE TRAINING

Basic Operation of SAM 935

- Status Screen
- Utility Menu
- Monitor Mode
- Dose Rate Calibration
- Trigger List
- Source I.D.

Certification:

*American Academy Of Health
Physics - 16 CECS*

*American Board of Industrial
Hygiene - 2 CM Points*

1200 – 1330 *Lunch*

1330 – 1400 Isotope Library Functionality

1400 – 1430 Search and Identification of Isotopes

1430 – 1500 Storing Spectra – alternative methods

1500 – 1515 *Break*

1515 – 1600 Radiation lines – editing, enabling/ disabling

1600 – 1630 Report generation – transmitting to a PC or printer

1630 – 1645 Downloading stored alarms to a PC

1645 – 1700 Q & A – Discussion and clarification of training material

Sample Agenda (cont.)

Day 2

0830 – 0900 Continental Breakfast

0900 – 0930 SAM Accessories and Complementary Equipment

0930 – 1015 REAL TIME DETECTION, IDENTIFICATION AND ANALYSIS OF SNM

Issues associated with SNM detection:

- Detecting plutonium and uranium
- Affects of shielding
- Masking SNM
- Library modifications – Handout
- Utilizing the neutron detector

1015 – 1030 *Break*

1030 – 1200 REAL TIME DETECTION, IDENTIFICATION AND ANALYSIS OF SNM (continued)

Simulated Exercises:

- Exercise 1 – Identify plutonium sample
- Exercise 2 – Identify uranium samples, HEU and LEU
- Exercise 3 – Identify neptunium and uranium 233

1200 – 1330 *Lunch*

1330 – 1500 Identify hidden sources. After identifying:

- 1) Store the alarm
- 2) Perform MCA analysis on each stored event
- 3) Print each stored spectrum

1500 – 1600 Q & A, Discussion and wrap-up