

Section V: Training Requirements for NMSS Headquarters Fuel Cycle Safeguards Inspector Material Control And Accounting

A. Applicability

The training described below is required of all NMSS headquarters safeguards inspectors assigned to perform material control and accounting (MC&A) inspections at fuel cycle facilities.

B. Training

1. Required Initial Training

a. Self Study and On-the-Job Training

- (1) NRC Orientation
- (2) Code of Federal Regulations
- (3) Office Instructions
- (4) Regulatory Guidance
- (5) NRC Inspection Manual
- (6) Industry Codes and Standards
- (7) Inspection Accompaniments
- (8) NRC Management Directives
- (9) Review of significant fuel cycle events
- (10) Fundamental Nuclear Material Control Plans

b. Core Training. These courses establish minimum formal classroom training requirements. Refer to Section 1246-11 for exceptions to these requirements.

(1) Fundamentals of Inspection Course (G-101) or Inspection Procedures Course (G-108)

(2) Root Cause/Incident Investigation Workshop (G-205)

(3) Inspecting for Performance Course - Materials Version (G-304)

(4) Effective Communications for NRC Inspectors (OP)

(5) OSHA Indoctrination Course (G-111)

(6) Site Access Training (H-100)

(7) Fundamentals of Nondestructive Assay of Nuclear Material Course (S-602)

(8) Basic Statistics Course or equivalent

(9) Neutron Assay of Nuclear Material Course (S-603)

(10) Gamma-Ray Assay of Nuclear Material Course (S-604)

- Integrated Safety Analysis Course (F-103) or Hazards Analysis for DOE SARs and QRAs
- Fuel Cycle Processes Directed Self-Study Course (F-201S)
- Uranium Enrichment Process Directed Self-Study Course (F-204S)
- General Health Physics Practices for Fuel Facilities Directed Self-Study Course (F-102S)

c. Specialized Training. Depending on the inspector's previous work experience and planned inspection activities, additional courses may be required in order to gain knowledge necessary for specialized inspection activities. Management will make this determination on an individual basis.

2. Supplemental Training. Additional training beyond that identified as Core Training. This training will be determined by the individual's supervisor and will depend on the individual's previous work experience and planned inspection or licensing activities in specific areas.

3. Refresher Training. Refresher training will be conducted every three years following initial certification. Refresher training will include the following course and other courses as determined by management:

a. Fundamentals of Inspection Refresher Course (G-102)

b. An MC&A workshop conducted by the Institute of Nuclear Materials Management (INMM), etc.

END