

ORNL - Restart of the High Flux Isotope Reactor 2-07

TRAINING AND QUALIFICATION (TQ)

OBJECTIVE TQ-1:

The RRD selection, training, and qualification program for operations and operations support personnel has been established, documented, and implemented. The selection process and applicable position-specific training for managers ensures competence commensurate with responsibilities. (The training and qualification program encompasses the range of duties and activities that are required to be performed.) (Core Requirement 3)

Criteria

- The RRD training program has been defined, established, documented, and implemented. An assigned RRD staff member tracks the training requirements, including site-level training requirements, and completion by RRD personnel.
- The selection process and implementation of position-specific training for managers associated with the CS modifications and associated hazards and reactor operation with the CS ensures competence commensurate with responsibilities.
- Training needs and requirements for CS staff members have been defined through the *Implementation Plan for Cold Source Staff Member Qualification Program*.
- Additional training needs of RRD and support staff (including reactor operators and supervisors, maintenance staff, safety analysts, and system engineers) are defined in a training matrix that has been reviewed by RRD management and approved by the Division Director. This matrix addresses requirements for routine and abnormal/emergency operating conditions.

Approach

Record Review: Examine the training program documentation and the documents/evaluations upon which they are based to confirm that the program addresses the full scope of experience, knowledge, skills, and qualifications necessary for safe CS operation and maintenance. Confirm that the training requirements from these documents have been fully integrated into the RRD training program defined by ORNL/RRD/INT-10, *RRD Training Program Manual*. Review a selection of pertinent training and qualification records to confirm that applicable training, experience, and qualification requirements necessary for safe HFIR operation with the CS have been met.

Interviews:

Interview training personnel and selected operators, supervisors, and members of management.

Shift Performance:

Observe classroom or mockup training sessions, if available.

OBJECTIVE TQ-2: Modifications associated with the reactor have been reviewed for potential impacts on training and qualification. Training has been performed to incorporate all aspects of these changes. (Core Requirement 5)

Criteria

- Modifications associated with the reactor have been reviewed for potential impact on training and operations.
- Appropriate training has been performed to incorporate all aspects of the modifications associated with the reactor.

Approach

Record Review: Review the configuration control documentation related to the CS modification packages to verify that needed changes in the training and qualification program have been identified and implemented. Review training materials to confirm that they appropriately describe the changes introduced by the CS modification.

Interviews: Interview selected members of the RRD and support staff.

Shift Performance:

None.