

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

Management

OBJECTIVE MG-1:

Line management has established programs to ensure safe accomplishment of work. Personnel exhibit awareness of public and worker safety, health, and environmental protection requirements, and through their actions, they demonstrate a high-priority commitment to comply with these requirements. (Core Requirements 1 and 2)

Criteria

- Line management has integrated programs within its existing ISMS and implementing mechanisms that appropriately address the major changes implemented during this outage, notably the CS, in order to continue to assure safe accomplishment of work.
- Senior management and RRD management exhibit awareness of the applicable requirements pertaining to reactor operation, with emphasis on the CS. Through their actions, personnel demonstrate a high-priority commitment to comply with these requirements.
- Operation and maintenance of the CS has been fully integrated into existing ORNL and RRD programs, processes, and procedures, which have been developed and verified to conform to DOE's expectations for ISM as defined in the *ORNL ISM Program Description*.
- The functions, assignments, responsibilities, and reporting relationships necessary for safe operation of HFIR with the CS are fully integrated within the RRD organizational structure.
- There is a consistent approach to establishing and communicating operational expectations within the RRD and with support organizations.

Approach

Record Review: Review the ORNL policies and procedures for reporting safety issues. Review the *ORNL ISM Program Description*. Review a sample of RRD procedures to ensure they conform to the ORNL ISMS. Review the RRD organization charts, position descriptions, applicable memorandums of agreement, and other documentation to confirm they appropriately communicate the functions, assignments, and reporting relationships.

Interviews:

Interview a cross-section of management, operations, and support staff to verify that personnel exhibit an awareness of public and worker safety, health, and environmental protection requirements. During interviews, verify that personnel exhibit familiarity with their rights and responsibilities under the ORNL safety policies and procedures.

Shift Performance:

None.

OBJECTIVE MG-2:

Formal agreements between UT-Battelle and DOE have been established via the contract or other enforceable mechanism to govern the safe operation of HFIR. A systematic review of the facility's conformance to these requirements has been performed. These requirements have been implemented in the facility, or compensatory measures are in place and formally agreed to during the period of implementation. DOE approves the compensatory measures and the implementation period. (Core Requirement 14)

Criteria

- New and revised requirements resulting from the CS modification that require formal agreement with DOE in order to govern safe operation of the facility are in place via the contract or other enforceable mechanism.
- A systematic review of the facility's conformance to these requirements has been performed.
- The requirements have been implemented in HFIR, or compensatory measures are in place during the period of implementation. Any such compensatory measures and the implementation period have been approved by DOE.

Approach

Record Review: Examine the policies and procedures for ensuring that the applicable requirements of DOE directives are incorporated in ORNL's processes and implemented. Confirm that ORNL/RRD/INT-129, *HFIR Authorization Agreement*, has been revised, as necessary, to include the requirement documents applicable to the CS. Review the list of Work Smart Standards applicable to HFIR to confirm that new standards applied to the CS design or operation are appropriately included.

Interviews:

Interview selected managers to assess their familiarity with requirements, HFIR's compliance status, the compensatory measures in place, and the actions planned for attaining the expected level of compliance.

Shift Performance:

None.

OBJECTIVE MG-3:

A feedback and improvement process has been established to identify, evaluate, and resolve deficiencies and recommendations made by independent review groups, official review teams, audit organizations, and the operating contractor. (Core Requirement 15)

Criteria

- The feedback and improvement process is established and implemented to identify, evaluate, and resolve deficiencies and recommendations made by independent review groups, official review teams, audit organizations, and the operating contractor, including those associated with the CS.

Approach

Record Review:

1. Sample issues management data since December 31, 2005, as well as selected program improvements stemming from the 2003 corrective action plan.
2. Review issues management information from RRD's core feedback and improvement processes (such as the nonconforming condition process, issues management process, document management process, and assessment process, including the management self-assessment for restart readiness) to confirm that issues, including CS-related issues, are being appropriately documented; corrective actions are being defined, implemented, and tracked to closure; and improvements are monitored for effectiveness.
3. Review a sample of corrective action records to validate their effectiveness.
4. Review selected program improvements resulting from the 2003 corrective action plan to confirm that they appropriately encompass operation of the CS.
5. Examine the process in place for assessing the impact an issue may have on safety to confirm that it correctly prioritizes issues according to their importance.

Interviews:

Interview personnel responsible for the issues management program and other staff and management, as needed.

Shift Performance:

None.