

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

EMERGENCY PREPAREDNESS (EP)

OBJECTIVE EP-1:

A routine drill program and emergency operations drill program, including program records, have been established and implemented. (Core Requirement 11)

Criteria

- Reactor operation with the CS has been appropriately incorporated into the emergency preparedness hazards analysis and emergency response procedures.
- The implemented routine and emergency operations drill program, including program records, have incorporated the CS SSCs and the CS's operation, hazards, and reactor interface.
- Proficiency to appropriately respond to incidents and accidents associated with reactor operation has been demonstrated through the implemented routine and emergency operations drill program.

Approach

Record Review: Examine ORNL/RRD/INT-114, *HFIR Emergency Planning Hazards Assessment*, and EPLAN-2200, *HFIR Emergency Management Drill and Exercise Program*, to confirm that they have been updated appropriately to reflect the CS and its operation. Verify that the emergency action levels in ERP-1050, *HFIR Emergency Action Levels*, have been updated, as necessary, to support reactor operation with the CS. Review records of previous drills and exercises to confirm that drills are conducted on a routine basis and that the corrective actions are being appropriately addressed and tracked to closure.

Interviews:

Interview selected emergency response personnel to assess their familiarity with the hazards and controls introduced as a result of the CS.

Shift Performance:

Observe or review records of staff performance during a simulated emergency resulting from both reactor operation and CS operation to evaluate the effectiveness of the ongoing emergency preparedness program.