

OPERATIONS (OP)

Objective OP.1 – Line management has established programs to ensure safe accomplishment of work and is responsible for safety. Functions, assignments, and responsibilities are clearly defined between the line organization and support groups (e.g., ESH&QA). Personnel exhibit an awareness of public and worker safety, health, and environmental protection requirements and, through their actions, demonstrate a high-priority commitment to comply with these requirements. (Core Requirements 1 and 2)

Criteria

- Program descriptions, procedures, and instructions that implement the programs listed in the NNSA POA provide worker protection and defense-in-depth safety functions as they apply to the OCF.
- The ISM Program is demonstrated in work planning for OCF operations, as evidenced by documented hazard identification and analysis, participation in work planning and hazards analysis, and establishment of the resultant controls and feedback for continuous improvement.
- Operating procedures are accurate and complete, and can be effectively utilized by operators to safely perform work.
- Workers and supervisors demonstrate safe work practices through verbatim compliance to postings, adherence to procedures and permits, and response to abnormal conditions.
- Workers and supervisors understand and fully support their responsibility and authority to stop work when conditions warrant such action.

Approach

Record Review: Review the programs necessary to support OCF operations to assess the inclusion of OCF within the scope of their program requirements. Perform a review of the operating procedures for the OCF and support systems to assess their adequacy and their ability to be performed as written.

Interviews: Interview operators and supervisors to assess their understanding of management programs and procedures.

Shift Performance: Observe evolutions to assess the understanding and significance which operators and supervisors place on ensuring that OCF operations meet safety and environmental protection requirements and are within the established safety envelope. Assess procedural compliance when conducting evolutions and responding to abnormal conditions.

Objective OP.2 – Sufficient numbers of qualified personnel are available to support operations. Adequate facilities and equipment are available to ensure operational support services are adequate for operations. Support services include operations, training, maintenance, waste management, environmental protection, industrial safety, industrial hygiene, radiological protection and health physics, emergency preparedness, fire protection, quality assurance, criticality safety, and engineering. (Core Requirement 6)

Criteria

- The numbers and qualifications of operations and support personnel necessary to operate the OCF are sufficient based on the expected operations/shifts. (Applicable personnel are specified in Appendix A of the BWXT POA.)

- The availability and training of operations support personnel as they are related to using HF on site (e.g., Fire Department, Engineering, Maintenance, Medical, Radiological Control for detection, cleanup, etc.) is acceptable. (Note that operations in Building 9212 are authorized and that the availability of adequate facilities and equipment to ensure that operational support services are adequate for operations has been verified in previous readiness reviews.)

Approach

Record Review: Review facility staffing for operations and support personnel to determine adequacy and compliance with minimum staffing safety requirements.

Interviews: None (addressed by Training and Qualification activities)

Shift Performance: During the observation of evolutions determine if adequate support staff and equipment are available to support OCF operations.

Objective OP.3 – The formality and discipline of operations are adequate to conduct work safely, and programs are in place to maintain this formality and discipline (e.g., DOE 5480.19). (Core Requirement 13)

Criteria

- Verify satisfactory implementation of conduct of operations elements in accordance with Y14-001, *Conduct of Operations Manual*.
- The compensatory measures listed in the Shift Manager’s log that are applicable to the OCF systems are current and in accordance with Y14-001, *Conduct of Operations Manual*, Chapter 8.

Approach

Record Review: Review procedures, standing orders, recently completed operations logs, shift turnover documents, and other plant records of note to assess compliance with conduct of operations principles.

Interviews: Interview operators, maintenance and operations personnel, and supervisors to assess their understanding of the conduct of operations principles in the performance of their duties. Interview other personnel as indicated by the record review.

Shift Performance: While observing evolutions and drills responses, determine if the facility is effectively implementing the conduct of operations requirements. Attend pre-job briefings, shift turnovers, Plan of the Day Meetings, incident critiques, and management reviews. Observe OCF activities, operator rounds, procedure use, communications, response to alarms, control of system status, and lockout/tagout activities.