

## STARTUP AND RESTART OF NUCLEAR FACILITIES (SNF)

### OBJECTIVE

**SNF.1:** NNSA Site Office has developed procedures and mechanisms for startup and restart activities for nuclear facilities. The NNSA Site Office has established and implemented effective oversight procedures and mechanisms to ensure that the Site Contractor has implemented, and maintains, effective processes to achieve and verify readiness.

### CRITERIA

1. The NNSA Site Office has developed written procedures that capture the requirements for startup and restart of nuclear facilities. (DOE O 425.1D, NA-1 SD 411.1-1C)
2. NNSA Site Office operational awareness and oversight processes include interactions throughout the process of achieving readiness and Site Contractor verification of readiness and indicate effective oversight of Site Contractor processes and procedures for startup and restart of nuclear facilities (DOE O 226.1A, DOE O 425.1D, NA-1 SD 226.1A).
3. NNSA Site Office readiness review activities demonstrate effective implementation of NNSA procedures for startup and restart of nuclear facilities (DOE O 226.1A, DOE O 425.1D, NA-1 SD 226.1A).
4. Startup and restart delegations continue to remain valid and satisfy delegation criteria (NNSA Delegation Procedure).
5. Issues identified during previous reviews (e.g. CDNS Biennial Reviews, HSS reviews, self-assessments) have been appropriately resolved, corrective actions have been completed and are adequate, or a clear path to completion is indicated (DOE O 226.1A; NA-1 SD 226.1A).
6. The NNSA Site Office has sufficient staff, and assigned personnel have adequate technical competence, to oversee the performance of the contractor in this functional area (NA-1 SD 411.1-1C).

### APPROACH

#### References:

- DOE O 226.1A, *Implementation of Department of Energy Oversight Policy*
- DOE P 226.1A, *Department of Energy Oversight Policy*
- DOE O 425.1D, *Verification of Readiness to Start Up or Restart Nuclear Facilities*
- DOE-HDBK-3012-2003, *Guide To Good Practices For Operational Readiness Reviews*

*(ORR), Team Leader's Guide*

- DOE-STD-3006-2010, *Planning and Conducting Readiness Reviews*
  - NA-1 SD 411.1-1C, *NNSA Safety Management Functions, Responsibilities and Authorities Manual (FRAM)*
- NA-1 SD 226.1A, *NNSA Line Oversight and Contractor Assurance System Supplemental Directive*

#### Record Review:

- Review NNSA Site Office procedures and assessment results to evaluate oversight of Site Contractor startup and restart processes. Review Site Contractor procedures to validate the results of Site Office oversight with respect to implementing requirements.
- Review Operational Readiness Review (ORR) and Readiness Assessment (RA) reports and related documentation, including finding closure verification records.
- Review Facility Representative operational awareness and routine surveillance records.
- Review other records that demonstrate the effectiveness of the oversight processes to ensure that the Site Contractor maintains a compliant and robust program to achieve and verify readiness to start up or restart nuclear facility or activity operations.

#### Interviews:

- Interview Facility Representatives and other Site Office personnel, including line managers responsible for overseeing the Site Contractor's processes for achieving and verifying readiness to start up or restart nuclear operations.
- Interview Site ~~Office~~Office personnel responsible for planning and conducting ORRs or RAs.

#### Observations:

- Observe NNSA Site Office staff performing oversight activities associated with verifying the Site Contractor's readiness to start up or restart nuclear facility activity operations, if available during review period.
- Observe NNSA Site Office ORR or RA activities, including conducting reviews as well as planning and follow-up activities, if any reviews are scheduled during the biennial review.