

NRC INSPECTION MANUAL

DI

MANUAL CHAPTER 2610

RESIDENT INSPECTION PROGRAM AT NUCLEAR FUEL SERVICES PLANT ERWIN, TENNESSEE

2610-01 PURPOSE

The purpose of the resident inspection program is to obtain sufficient information through increased observations, personnel interviews, and review of facility records and procedures to ascertain in a timely manner whether a facility's safeguards and safety practices are in conformance with regulatory requirements and to monitor the licensee's resolution of site-specific program problems.

2610-02 OBJECTIVE

The objective of this chapter is to establish the responsibilities and inspection procedures to be used by the resident inspector at the Nuclear Fuel Services Plant (NFS) and to coordinate the effort of the resident inspector with those of the regional inspectors.

2610-03 DEFINITIONS

As needed - Noted in the text to be performed when necessary.

Daily - The inspection effort should be performed each scheduled work day.

Weekly - The inspection effort shall be performed once each week so that the interval between inspections is no less than 4 days and no more than 11 days.

Monthly - The inspection effort shall be performed once every month so that the interval between inspections is no less than 2 weeks and no more than 6 weeks.

For purposes of this chapter the definitions contained in Manual Chapter 2600 apply.

2610-04 RESPONSIBILITIES AND AUTHORITIES

04.01 Division of Inspection Programs, IE. The Division develops and issues program requirements, guidance, and inspection procedures and modifies the program, as necessary, based on experience, license performance, and other factors.

04.02 Region II. The Region performs the resident inspection program at Nuclear Fuel Services Plant, Erwin, Tennessee, as established in the IE Manual Chapter 2610. Regional management is expected to coordinate the efforts of the resident inspector and those of regional inspectors so that all inspection procedures are conducted at the proper frequency at the correct level without unnecessary duplication of effort. Although the resident inspector would normally do the assigned procedures, the regional office has the prerogative of assigning the regionally based inspectors with the responsibility for completing some, or parts, of these procedures that may require specialized knowledge. Likewise, the regional office may assign the resident inspector with the responsibility for completing parts of procedures normally assigned to regionally based inspectors. This flexibility enables regional office management to maximize utilization of regional and resident inspectors to accomplish the inspection program.

2610-05 DISCUSSION

The major function of a resident inspector is to provide a means of directly observing licensee activities as they occur at the plant and to provide timely reporting of safety and safeguards concerns related to those activities to the licensee and the NRC regional office. The resident inspector's presence can be a decided advantage during periods of plant modification, unusual maintenance, accidents, emergencies, and other situations not part of the licensees routine programs. A resident inspector can observe most efficiently those licensee routine activities that are performed infrequently and assess actions taken by the licensee to correct deficiencies noted during NRC inspections or licensee audits. Because of this, the procedures for inspection of licensees activities stress the direct observation of work in progress and deemphasize time consuming, in-depth review of records and verification of lengthy, highly technical procedures. The resident inspector should limit his effort in highly technical areas to short, cursory observations of key parameters.

The resident inspection modules in MC 2610 consist of those parts of MC 2600 modules that can most effectively be performed by a full-time on-site inspector. The efforts expended on these modules should be coordinated with the regional inspectors overall routine inspection program. To prevent unnecessary duplication of effort, applicable resident inspection results should be used to satisfy parts of the regional routine inspection requirements.

2610-06 BASIC REQUIREMENTS

06.01 The inspection program for the NFS resident inspector consists of selected, modified procedures from the 2600 series manual chapters, which define the radiological safety and the safeguard inspection responsibilities of the resident inspector.

06.02 Inspection modules that have the most direct relationship to radiation health and safety should receive priority. These modules include 88015 - Criticality Safety, 88020 - Operations

Review, 88025 - Maintenance, 88822 - Radiation Protection, and 88045 - Environmental Protection.

06.03 The resident inspector should weigh the inspection requirements significantly in the areas of direct observation and verification of licensee activities. While the resident inspector's duties will consist mainly of the assigned MC 2610 series procedures, some effort, at the direction of the regional office will be required on a case-by-case basis.

06.04 In so far as practical, the specific areas to be inspected are to be inspected on a random basis and the hours should be varied so that at least 10% of the inspection effort is performed during other than normal day-shift hours.

06.05 It is recognized that the resident inspector may sometimes be absent from the site for extended periods because of vacation, sickness, training, etc. In the case of such absences, it is not expected that the procedures assigned to the resident inspector, which were scheduled to be completed during his absence, be accomplished. If possible, however, inspection visits by regional inspectors should be scheduled during extended periods of absence of the resident inspector. Inspection activity during the resident inspector in absence should consider the plant activities in progress. The resident inspector should not be assigned extended reactive effort to the point that monthly or as needed inspections cannot be completed.

06.06 The resident inspector shall maintain a daily log of his activities. The log shall identify the significant inspection activities performed during the day and include details such as the reason for inspection, building numbers, process areas and results. This record shall be retained for the length of time specified by the official NRC records retention and disposition schedule.

06.07 The resident inspector shall arrange with licensee management to be informed of any significant activities planned by the licensee. This notification shall be done in a timely manner to permit the inspector to observe those activities where a significant safety potential exists.

06.08 In lieu of prescribed daily inspection procedures, the resident inspector shall perform a daily tour of major process areas. Priorities for observation during the tour will be determined by the licensee work in progress. One-of-a-kind maintenance jobs, plant modification activity, major special nuclear material (SNM) shipments, or startup of new equipment scheduled for that day should be given top priority. Special consideration should be given to all activities involving criticality safety.

06.09 Facility change and modification activity that could affect safe operations or proper control of SNM should be inspected as it evolves, using Procedure 37802 RA, "Facility Changes and Modifications."

06.10 Other basic inspection requirements and corresponding inspection frequencies for the NFS resident inspection program are

listed below. The modified inspection procedures are included in Appendix I.

RW Series - Weekly Inspections

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|-------|----|----------------------------|
| 71814 | RW | Facility Operations |
| 71816 | RW | Nuclear Criticality Safety |
| 83822 | RW | Radiation Protection |
| 81000 | RW | Physical Protection |
| 85000 | RW | Materials Control |
| 80818 | RW | Environmental Protection |

RM Series - Monthly Inspections

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|-------|----|-------------------------------------|
| 83822 | RM | Radiation Protection |
| 80818 | RM | Environmental Protection |
| 81000 | RM | Physical Protection |
| 85000 | RM | Special Nuclear Material Accounting |
| 71814 | RM | Facility Operations |
| 71816 | RM | Nuclear Criticality Safety |

RA Series - As Needed Inspections

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|-------|----|------------------------------------|
| 37802 | RA | Facility Changes and Modifications |
| 84824 | RA | Solid Waste Management |
| 86740 | RA | Shipping and Receiving of SNM |
| 86718 | RA | Packaging and Transport |

END