

U.S. NUCLEAR REGULATORY COMMISSION
REGION I

Report No. 85-66

Docket No. 50-423

License No. CPPR-113

Priority -

Category B-1

Licensee: Northeast Nuclear Energy Company
P.O. Box 270
Hartford, Connecticut 06101

Facility Name: Millstone Unit 3

Inspection At: Waterford, Connecticut

Inspection Conducted: October 21-23, and November 8, 1985

Inspectors:

W. J. Lazarus, Senior EP Specialist

11/18/85
date

Approved by:

T. Harpster, Chief
Emergency Preparedness Section

11/26/85
date

Inspection Summary:

Inspection on October 21-23, and November 8, 1985 (Report 50-423/85-66).

Areas Inspected: Follow-up of previous inspection findings from the Emergency Plan Implementation Appraisal (Report 50-423/85-39). This inspection involved 27 hours by one region-based inspector.

Results: No violations were identified.

DETAILS

1. Principal Persons Contacted

- *D. Aloï, Emergency Planner
- *W. Buch, Emergency Planning Coordinator
- *J. Kangley, Radiation Services Supervisor
- *E. Molloy, Supervisor of Emergency Preparedness
- D. Powell, Manager of Earth Sciences
- D. Scafe, Startup Engineer
- A. Stengel, Startup Engineer
- R. Stotts, Training Supervisor
- *W. Romberg, Station Superintendent

*Denotes those present at the exit interview on October 23, 1985.

2. Follow-up on Emergency Plan Implementation Appraisal Findings

(Open) 50-423/85-39-01: Emergency Plan does not provide for any staff augmentation within 30 minutes.

The licensee has surveyed the location of residences from which key staff personnel would be reporting upon activation of the Emergency Plan (EP) and determined that in most cases, augmentation of HP, dose assessment and I and C personnel will occur within 30 minutes. Based on that knowledge a commitment was made to NRR to change Table 5-1 in the EP to establish a 30 minute goal for augmentation of these personnel. This change will be included in a January, 1986 revision to the Plan.

(Closed) 50-423/85-39-02: Specify in the Plan, the title of the individual(s) who will fill the position of Manager of Operations Support Center.

Revision 0 of the EP, effective November 15, 1985 specifies (Table 5-1) that the Unit Shift Supervisor will assume this position.

(Closed) 50-423/85-39-03: Describe the Unit 3 interim medical facility in the Plan.

The licensee has indicated that they will not utilize the temporary medical facility (trailers) after the construction crews have left the site, and thus, inclusion in the plan is unnecessary.

(Open) 50-423/85-39-04: Describe the use of the cafeteria as the assembly area for overflow personnel from the Operations Support Center.

The licensee indicated that this will be included in the January, 1986 EP revision.

(Open) 50-423/85-39-05: The following hardware systems installation and testing had not been completed, and appropriate training on the systems had not been completed.

- Installation of a separate ENS telephone line for Unit 3;
- Off-site Based Facility Information System (OFIS);
- Radiation Monitoring System (RMS);
- Safety Parameter Display System (SPDS);
- Evacuation Alarm; and
- Equipment Surveillance program implementation.

Unit 3 now shares the Unit 1/2 ENS line, which is acceptable pending installation of the separate line. The scheduling of that installation is beyond the control of the licensee. The equipment surveillance program procedure is about 90 percent complete and will be reviewed as part of a subsequent routine inspection in this area. The OFIS system acceptance test and test procedure PCE-TP-ER153 COM-06B, (OFIS Man-Machine Interface test procedure) have been completed. The system is operational. A review of training records indicated that sufficient personnel are trained to fill the on-call positions in the emergency organization. The licensee indicated that those personnel who have not completed training will not be placed on-call.

The SPDS system is also operational, as demonstrated by the completion of T349-PO01 "Plant Computer Test Procedure," dated September 6, 1985. The licensee has committed to the NRC to have at least one person per shift trained by fuel load (letter of October 16, 1985). At the time of this inspection four Supervisory Control Room Operators (SCO) had completed training.

The RMS system is operational. The licensee has completed a review of Mode 6 Technical Specifications and will have those detectors required for Mode 6 operational prior to fuel load. Sufficient personnel have completed training on the use of the system.

The only issue in this area which remains open involves the installation and testing of the Unit 3 site evacuation alarm which has not yet been completed. The licensee has agreed to have the alarm system installed and satisfactorily tested prior to initial criticality. That schedule is acceptable. This item will be tracked as a license condition.

(Closed) 50-423/85-39-06: Include a description of the meteorological monitoring program in the EP.

This description is included in EP Revision 0, effective November 15, 1985.

(Closed) 50-423/85-39-07: The Environmental Data Acquisition Network is not described in the Plan.

This is included in Revision 0 to the EP.

(Closed) 50-423/85-39-08: A discussion of how supplemental meteorological information for local (sea/land breeze episodes) conditions will be obtained for "refined or secondary" dose assessment capability in the vicinity of that plant is not included in the Plan.

EP Revision 0 describes this area along with the other roles of the on-call meteorologist in interpreting meteorological information.

(Open) 50-423/85-39-09: Improve the availability of onsite meteorological data by a faster response to correcting malfunctions.

The licensee has provided the appropriate I and C technicians with "beepers" so that they can be contacted to repair malfunctioning equipment on back shifts. A description of the criteria for calling these personnel in will be included in the appropriate operating procedure(s). This will be reviewed in a subsequent inspection.

(Closed) 50-423/85-39-10: Use actual meteorological and radiological effluent measurements to determine Emergency Action Levels (EAL's).

EP, Revision 0 includes revised EAL's which reflect the use of actual meteorological and radiological effluent measurements except for those cases in which rapidly worsening conditions which would preclude timely evaluation. In those circumstances, the default (worst-case) values would be used to determine EAL's.

(Closed) 50-423/85-39-11: Computerize the backup dose assessment method and verify that results are consistent with the primary system.

EPIP 4201, "Radiological Dose Assessment", Revision 10, has been issued, describing the use of a portable TRS-80 Model 100 micro-computer for performing dose assessment calculations until the Corporate Manager of Radiological Consequence Assessment assumes that responsibility. The inspector reviewed results of comparison of this backup method with the primary assessment method and noted that the correlation was acceptable.

(Closed) 50-423/85-39-12: Equipment lists should be provided in emergency equipment lockers and kits.

The inspector noted that a copy of the Master Equipment List is maintained in the appropriate lockers.

(Closed) 50-423/85-39-13: Identify the person or groups responsible for maintenance of emergency equipment lockers.

Procedure ACP 1.15 designates the Radiological Services Supervisor as the person responsible.

(Open) 50-423/85-39-14: Describe the surveillance and maintenance of the OFIS system.

This item is still under review by the licensee. It is planned for conclusion in the scheduled January, 1986 Plan revision.

(Closed) 50-423/85-39-15: Describe the RMS in the Emergency Plan.

Figure 7.1g of EP Revision 0 describes the RMS.

(Closed) 50-423/85-39-16: Complete installation of evacuation route signs.

During a tour of selected portions of the facility, the inspector noted that the evacuation route signs had been installed. An inventory of the signs will be performed annually.

(Closed) 50-423/85-39-17: Computerize training records for EP training.

The inspector reviewed a sampling of training records and verified that this item has been completed.

(Closed) 50-423/85-39-18: Training of EP personnel should be performed once each 12 months (± 3 months).

The inspector reviewed a letter to NRR dated October 16, 1985 that commits the licensee to perform their EP training every 12 months (± 3 months) rather than once per calendar year. Exceptions must be approved by management.

(Open) 5423/85-39-19: Develop and implement standards for acceptable completion of hands-on/practical training.

The inspector reviewed draft procedure NTD-EP-01 which appears to address this concern adequately. The procedure is expected to be approved and implemented by November 30, 1985, and will be reviewed in a subsequent routine inspection.

3. Exit Interview

The inspector met with representatives of the licensee (see detail 1 for attendees) at the conclusion of this inspection to discuss the scope and findings of the inspection as detailed in this report. At no time during the inspection was any written material given to the licensee.