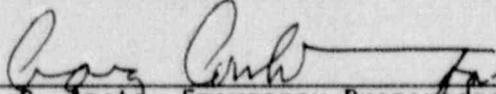
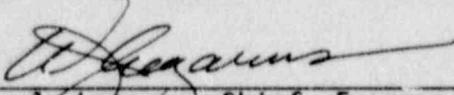


U.S. NUCLEAR REGULATORY COMMISSION
REGION I

Report No: 50-193/89-01
Docket No: 50-193
License No: R-95
Licensee: Rhode Island Atomic Energy Commission
Nuclear Science Center
South Ferry Road
Narragansett, Rhode Island 02882-1197
Facility Name: Rhode Island Nuclear Science Center
Inspection at: Narragansett, Rhode Island
Inspection Conducted: October 6, 1989

Inspector: 
C. G. Amato, Emergency Preparedness
Specialist, EPS, FRSSB, DRSS

11/2/89
date

Approved By: 
W. J. Lazarus, Chief, Emergency
Preparedness Section, FRSSB, DRSS

11/7/89
date

Inspection Summary: Inspection on October 6, 1989 (Inspection Report No. 50-193/89-01)

Areas Inspected: Routine, announced, safety inspection of the licensee's emergency preparedness program. The inspection areas included: the Emergency Response Organization; training; emergency plan and implementing procedures; emergency response facilities; and notifications and communications.

Results: No violations were identified.

DETAILS

1.0 Persons Contacted

The following Nuclear Science Center staff attended the exit meeting

N. Jacob, Radiation Safety Officer
W. Simoneau, Reactor Supervisor

The inspector also interviewed and observed the activities of other licensee personnel.

2.0 Licensee Action on Previously Identified Items

The following items were identified during a previous emergency preparedness inspection (50-193/88-03). Based upon observations by the inspector, the following inspector follow up items are closed.

(CLOSED) (50-193/88-03-01) (IFI): Specify sequence of off-site emergency notifications.

Call-out procedures have been modified so they specify notification priority.

(CLOSED) (50-193/88-03-02) (IFI): Control room copy of the emergency notification list was not current and readily visible. The emergency equipment locker in the assembly area was marked "radioactive". The battery operated air sampler's battery was discharged and not maintained on battery charge.

Satisfactory corrective action was taken to correct each of these items.

3.0 Emergency Response Organization (ERO)

The inspector reviewed the normal operating and emergency response organizations, and interviewed personnel to determine if the requirements of Section IV A of Appendix E to 10 CFR 50 and standard 10 CFR 50.47(b)(1) are met.

The organization structure has not changed since the last inspection. There have been several personnel changes. The Assistant Director has retired and is serving as the Assistant Director for Special Projects. Efforts are being made to recruit a successor. Two reactor operator trainees resigned. One replacement operator had been hired at the time of this inspection. Sufficient qualified staff remain available to implement the emergency plan.

Based on the above review, this area is acceptable.

4.0 Emergency Preparedness Training (EPT)

EPT activities and training records were reviewed and staff interviewed to verify that emergency preparedness training is in compliance with 10 CFR 50.47(b)(15) and Section IV.F of Appendix E to 10 CFR 50.

Section 10 of the Emergency Plan specifies training policy. Training is given per these specifications, and includes periodic drills and exercises. The most recent EPT staff training was conducted on August 17, 1989 and included classification of emergencies, required notifications, and activation of the evacuation horn. In addition, a medical drill involving an injured contaminated individual and an evacuation drill were conducted in 1989. Narragansett Fire and Rescue squad personnel were given a tour of the facility during September 1989 to ensure their familiarity with the facility.

Based on the above review, this area is acceptable.

5.0 Emergency Plan and Implementing Procedures

A biennial review was conducted in accordance with Section 10.4 of the Emergency Plan on July 26, 1989. All eleven Letters of Agreement are current. Three were under revision at the time of this inspection.

EALs were reviewed and discussed with reactor operators and Emergency Preparedness Department staff. This was done to determine if the EALs meet the standard of 10 CFR 50.47(b)(4), and the requirements of Section IV.B of Appendix E to 10 CFR 50.

Three Emergency Classification levels are specified: Notice of Unusual Event; Alert; and Site Area Emergency. These classes and their bases are specified in Table 1.1 of the Implementing Procedures. The inspector verified that operators are trained to use this table. Both symptoms and events such as fire or security threat are adequately covered. The inspector observed that the notification procedures integral to this table were inconsistent with the Plan requirements which states that NRC notifications shall be made in accordance with the requirements of 10 CFR 50. The Table listed NRC notification only for the Site Area Emergency classification. When this was called to the licensee's attention by the inspector, the licensee promptly modified the Table and stated the modified table would be distributed and appropriately reviewed.

Based on the above review, this area is acceptable.

6.0 Emergency Response Facilities (ERFs)

The inspector verified that ERFs are designed to meet the requirements of 10 CFR 50.47(b)(8) and (b)(9), and Section IV of Appendix E to 10 CFR 50. Equipment, communications systems, plans, procedures, and access

control provisions were reviewed for the control room and the Emergency Support Center.

Appropriate emergency equipment and procedures were in place. Equipment was functional and within the specified calibration period. Communications equipment was operable.

Based on the above review, this area is acceptable.

7.0 Notification and Communication

Communication systems were evaluated to verify that the requirements of 10 CFR 50.47(b)(5) and (b)(6) and Sections IV.D.1 and E.9 of Appendix E to 10 CFR 50 are met.

Adequate emergency communication capability is provided by commercial telephones and radios available to reactor staff and Campus Security.

Based on the above review, this area is acceptable.

8.0 Exit Meeting

An exit meeting was held with the licensee personnel identified in Section 1 to discuss the results of this inspection as detailed in this report. The licensee was advised no violations, deviations or unresolved items were identified. Licensee management acknowledged these findings and indicated they would evaluate them and take appropriate corrective action regarding the items identified.

At no time during the course of the inspection did the inspector provide any written material to the licensee.