

U.S. NUCLEAR REGULATORY COMMISSION  
OFFICE OF INSPECTION AND ENFORCEMENT

Region I

Report No. 78-14

Docket No. 50-029

License No. DPR-3 Priority -- Category C

Licensee: Yankee Atomic Electric Company

20 Turnpike Road

Westborough, Massachusetts 01581

Facility Name: Yankee-Rowe

Inspection at: Rowe, Massachusetts

Inspection conducted: September 26-28, 1978

Inspectors: *W. J. Lazarus*

W. J. Lazarus, Reactor Inspector

10/6/78  
date signed

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date signed

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date signed

Approved by: *R. R. Keimig*

R. R. Keimig, Chief, Reactor Projects  
Section No. 1, RO & IS Branch

10-6-78  
date signed

Inspection Summary:

Inspection on September 26-28, 1978 (Report No. 50-029/78-14)

Areas Inspected: Routine unannounced inspection by a regional based inspector of preparations for refueling; emergency core cooling system procedures; in-office review of Monthly Reports; and licensee action on previously identified inspection findings. The inspector also accompanied and assisted the NRR Fire Protection Survey Team. The inspection involved 21 inspector-hours on site by one NRC regional based inspector.

Results: No items of noncompliance were identified.

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## DETAILS

### 1. Persons Contacted

- \*H. Autio, Plant Supervisor
- T. Danek, Operations Supervisor
- M. Ebert, Reactor Supervisor
- L. Heider, Assistant Vice President-Operations (YAEC)
- P. Laird, Maintenance Supervisor
- D. Moody, Manager of Operations (YAEC)
- N. St. Laurent, Assistant Plant Superintendent
- J. Shippee, I and C Supervisor
- \*J. Staub, Technical Assistant to the Plant Superintendent
- J. Trejo, Health Physics Supervisor

#### Other NRC Personnel

- A. Burger, NRR (DOR)
- L. Derderian, NRR (DOR)
- T. Dunning, NRR (DOR)
- D. Ziemann, NRR (DOR)

The inspector also contacted several members of the operations, technical, engineering and administrative staffs.

\*denotes those present at exit interview.

### 2. Licensee Action on Previous Inspection Findings

(Open) Unresolved Item (029/76-21-01) Analysis of post-LOCA containment sump boron concentration was to be included in the core XIV performance analysis, but was not, due to an oversight. The licensee has agreed to submit a supplement to Technical Specification P.C. 163 to address this area.

### 3. Fire Protection Survey Team Visit

The inspector accompanied the NRR Fire Protection Survey Team during their site visit. Details of the visit and staff positions for improved fire protection are documented in NRC:RI Inspection Report No. 78-15.

4. Plant Tour

The inspector conducted a tour of accessible areas of the plant including, the Primary Auxiliary Building, Turbine Building, Safety Injection Building, Switch Gear Room, Emergency Diesel Generator Rooms, Control Room, HP Control Point, and Yard areas. The following items were inspected during this tour:

- Operability of required instrumentation and status of annunciators;
- Adequacy of Radiation HP controls;
- Plant housekeeping conditions including general cleanliness and storage of combustibles;
- Presence of fluid leaks and abnormal piping vibration;
- Proper installation of pipe hangers/seismic restraints; and,
- Control Room manning.

No items of noncompliance were identified.

5. Radiation Protection Preparations for Refueling

The inspector reviewed refueling preparations with the HP Supervisor to determine the degree of preparation in the following areas:

- supplemental HP staff (including qualifications/training);
- maintenance training on mock-ups to reduce exposures to personnel;
- preparations to control exposures during maintenance on the reactor coolant system; and,
- adequacy of necessary supplies.

No items of noncompliance were identified.

6. Review of Safety Injection System Procedures

The inspector reviewed the following procedures to verify that adequate operator guidance was provided for operation of the

emergency core cooling systems during a loss of coolant accident, especially for the case in which systems had just been reset (or otherwise not lined up for automatic initiation).

- OP 2652, Preparation of the Emergency Core Cooling System for Normal Operation, Rev. 9.
- OP 2653, Removal of the Emergency Core Cooling System from Service, Rev. 9.
- OP 2655, Realignment of the Safety Injection System after Inadvertent Initiation, Orig.
- OP 3106, Loss of Main Coolant, Rev. 9.

No inadequacies were noted and no items of noncompliance were identified.

7. Monthly Reports

The inspector reviewed the licensee's Monthly Operating Reports for July and August 1978 in the RI Office to verify that reporting requirements were met.

No items of noncompliance were identified.

8. Exit Interview

The inspector met with licensee representatives (see detail 1 for attendees) at the conclusion of the inspection to discuss the scope and findings of the inspection as detailed in this report.



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION I  
631 PARK AVENUE  
KING OF PRUSSIA, PENNSYLVANIA 19406

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OCT 10 1978

Docket No. 50-029

Yankee Atomic Electric Company  
ATTN: Mr. Robert H. Groce  
Licensing Engineer  
20 Turnpike Road  
Westborough, Massachusetts 01581

Gentlemen:

Subject: Inspection 78-14

This refers to the inspection conducted by Mr. W. Lazarus of this office on September 26-28, 1978, at the Yankee Nuclear Power Station (Yankee-Rowe), Rowe, Massachusetts of activities authorized by NRC License No. DPR-3 and to the discussions of our findings held by Mr. Lazarus with Mr. H. Auto of your staff at the conclusion of the inspection.

Areas examined during this inspection are described in the Office of Inspection and Enforcement Inspection Report which is enclosed with this letter. Within these areas, the inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observations by the inspector.

Within the scope of this inspection, no items of noncompliance were observed.

In accordance with Section 2.790 of the NRC's "Rules of Practice," Part 2, Title 10, Code of Federal Regulations, a copy of this letter and the enclosed inspection report will be placed in the NRC's Public Document Room. If this report contains any information that you (or your contractor) believe to be proprietary, it is necessary that you make a written application within 20 days to this office to withhold such information from public disclosure. Any such application must be accompanied by an affidavit executed by the owner of the information, which identifies the document or part sought to be withheld, and which contains a statement of reasons which addresses with specificity the items which will be considered by the Commission as listed in subparagraph (b) (4) of Section 2.790. The information sought to be withheld shall be incorporated as far as possible into a separate part of the affidavit. If we do not hear from you in this regard within the specified period, the report will be placed in the Public Document Room.

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