

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

Region I

Report No. 50-29/78-15

Docket No. 50-29

License No. DPR-3 Priority -- Category C

Licensee: Yankee Atomic Electric Company

20 Turnpike Road

Westborough, Massachusetts 01581

Facility Name: Yankee Atomic Power Plant

Inspection at: Rowe, Massachusetts

Inspection conducted: September 25-28, 1978

Inspectors: *R. J. Paolino*  
R. J. Paolino, Reactor Inspector

10-10-78  
date signed

Fire Prevention/Protection Survey Team

T. Dunning, NRR-DOR

L. Derderian, NRR-DOR

M. Antonetti, Gage-Babcock Asso./BNL

J. Townley, BNL - NRC

Approved by: *S. D. Ebnetter*  
S. D. Ebnetter, Chief, Engineering Support  
Section 2, RC&ES Branch

10/17/78  
date signed

Inspection Summary:

Inspection on September 25-28, 1978 (Report No. 50-29/28-15)

Areas Inspected: Facility inspection to provide the fire protection review team from the Office of Nuclear Reactor Regulation (NRR) with direct knowledge of the arrangement of safety-related equipment, fire hazards, fire protection equipment and administrative controls. Observation of work activities in progress, completed work and plant status in several areas of the facility. The inspection involved 25½ inspector-hours for one Regional based NRC inspector.

Results: No items of noncompliance or deviations were identified.

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## DETAILS

### 1. Persons Contacted

#### Yankee Atomic Electric Company \*

Mr. H. Autio, Plant Superintendent  
Mr. T. Danek, Operations Supervisor  
Mr. L. Heider, Assistant Vice President-Operations (NSD)  
Mr. P. Laird, Maintenance Supervisor  
Mr. L. Marsolais, Systems Engineer (NSD)  
Mr. J. Martin, Operations Engineer (NSD)  
Mr. E. Mays, Technical Assistant (TAP)  
Mr. R. McCoy, Electrical Engineer (NSD)  
Mr. D. Moody, Operations Manager (NSD)  
Mr. P. Rainey, Engineer (NSD)  
Mr. E. Sawyer, Fire Prevention/Protection Coordinator (NSD)  
Mr. N. St. Laurent, Assistant Plant Superintendent  
Mr. J. Staub, Technical Assistant to Plant Superintendent  
Mr. J. Shippee, I&C Supervisor  
Mr. J. Thayer, Plant Support Engineer (NSD)

\* all personnel listed were present at the exit interview.

### 2. Plant Tour

The inspector accompanied the fire protection program review team through the facility, observing work activities in progress, completed work and plant status.

No items of noncompliance or deviations were identified.

### 3. Fire Prevention/Protection Program Evaluation

a. The inspector and the NRR review team examined the following areas:

- Control Room
- Cable Spreading Room
- Computer Room
- Battery Rooms

- Diesel Generator Rooms
- Switchgear Rooms
- Safety-Related Pump Areas
- Diesel Fuel/Auxiliary Boiler Fuel Oil Storage Tanks
- Auxiliary Boiler Area
- Fire Pump Areas

b. The above areas were examined for (as applicable):

- General conditions, including noncongesting and acceptability
- Separation between redundant trays and conduits
- Barriers and fire stops
- Fire detection and suppression equipment
- Ventilation systems and controls
- Floor drains
- Communications equipment
- Lighting
- Combustible materials
- Equipment protection from water damage
- Ability to contain fire, or isolate from external fire
- Means for containing oil spills
- Means for detecting hydrogen accumulation or loss of ventilation (battery rooms)

4. Exit Interview

The inspector and the NRR fire prevention/protection survey review team met with the licensee representatives (listed in Paragraph 1)

at the conclusion of the inspection on September 28, 1978. The NRR review team summarized the scope and findings of the survey followed by a discussion of staff positions developed as part of the September 26 and 27 facility inspection, pertaining to minimum modifications, additions, and/or changes necessary to upgrade the licensee's fire prevention/protection program.

A formal report is to be issued by the NRR staff, documenting licensee commitments and status of staff positions developed during this inspection.