

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

Region I

Report No. 50-443/79-05  
50-444/79-05  
50-443  
Docket No. 50-444  
License No. CPPR-135 Priority -- Category A  
CPPR-136

Licensee: Public Service Company of New Hampshire

1000 Elm Street

Manchester, New Hampshire 03105

Facility Name: Seabrook Station, Units 1 and 2

Inspection at: Seabrook, New Hampshire and Newington, New Hampshire

Inspection conducted: April 3-4, 1979

Inspectors: J. C. Mattia for  
S. A. Folsom, Reactor Inspector

MAY 3, 1979  
date signed

J. C. Mattia  
J. C. Mattia, Reactor Inspector

MAY 3, 1979  
date signed

Approved by: A. D. Tith for  
R. W. McGaughy, Chief, Projects Section,  
RC&ES Branch

date signed  
5-9-79  
date signed

Inspection Summary:

Inspection on April 3-4, 1979 (Report Nos. 50-443/79-05 and 50-444/79-05)

Areas Inspected: Routine, unannounced inspection by two regional based inspectors of construction activities. The inspection involved the maintenance of material stored offsite. A construction site tour was performed. The inspection involved 20 inspector-hours by two regional based inspectors.

Results: Of the two areas inspected, one apparent item of noncompliance was identified in one area (Infraction - Failure to electrically connect stored equipment supplied with space heaters as required in procedures - Paragraph 3).

7907240222

## DETAILS

### 1. Persons Contacted

#### Yankee Atomic Electric Company

Mr. F. W. Beam, Quality Assurance Engineer, Electrical  
Mr. D. L. Covill, Quality Assurance Engineer, Civil  
Mr. W. J. Gagnon, Quality Assurance Engineer, Mechanical  
\*Mr. J. H. Herrin, Site Manager  
Mr. R. P. Pizzuti, Construction Manager (Westborough)  
\*Mr. J. W. Singleton, Field Quality Assurance Manager

#### Royal Globe Insurance Companies

\*Mr. C. O'Sullivan, Authorized Nuclear Inspector

#### United Engineers and Contractors

\*Mr. J. R. Dmytryk, Construction Manager (Philadelphia)  
Mr. G. B. Frey, Project Superintendent Operations  
Mr. J. C. Merrill, Craft Technician  
\*Mr. R. N. Moyer, Field Superintendent Quality Assurance/Quality Control  
Mr. C. W. Rogers, Assistant Material Supervisor  
\*Mr. J. F. Vought, Resident Contractor Manager

#### Pullman/Higgins Company

Mr. R. G. Davis, Field Quality Assurance Manager

#### Pittsburgh Des Moines

Mr. W. Stiger, Site Quality Assurance Superintendent

#### Perini Power Contractors

Mr. R. Copra, Project Superintendent

The inspector also interviewed other licensee and contractor employees during the inspection.

\*denotes those present at the exit interview.

## 2. Plant Tour

The inspector observed work activities in progress, completed work, and plant status in several areas of the construction site. Work items were examined for any obvious defects or noncompliance with regulatory requirements or licensee commitments. Particular note was taken of the presence of quality control inspectors, and evidence of quality control activities such as inspection records, material identification, nonconforming material identification, and equipment calibration tags. The inspector interviewed craft personnel and quality inspection personnel as available. Specific activities inspected included stripping forms in Unit 1 equipment vault, dewatering Unit 1 containment for liner plate installation, weld preparation on Unit 1 containment liner, and concrete compression strength testing in PTL building.

No items of noncompliance were identified.

## 3. Maintenance of Stored Equipment at Newington, New Hampshire

The offsite storage facilities, and stored equipment, at Newington, New Hampshire were examined during the inspection. The conditions of storage such as environmental control, dunnage, rodent control, stacking, and segregation of nonconforming items were observed.

Electrical heaters are provided in the circuitry of certain motors. These heaters are required by site directives to be energized at all times during storage. Monthly checks are required to insure that these heaters are energized. This is accomplished at the Newington warehouses by feeling the motor housings to detect temperature above ambient. The inspector found no heater in operation on one of the 12 service water cooling pump motors. This lack of heat was confirmed by the licensee.

The inspector noted that the motor heaters were plugged into wall receptacles. Lights in the receptacle supply circuits indicated only that the receptacles were energized, not that current was flowing in the motor heaters. This was demonstrated in the case of the service water cooling pump motor (mentioned in the preceeding paragraph) where the heater lead was plugged into the receptacle, the light was on, but the motor was cold. This circuitry is contrary to UE&C Procedure FGCP-9, Revision 4, March 9, 1979, Paragraph 6.1.5 which states, in part: "Each piece of equipment equipped with a space heater will have service wiring connected to heater leads by means of a terminal block, wire nuts or other approved method."

Failure to implement documented instructions and procedures is an item of noncompliance relating to Criterion V of Appendix B of 10 CFR 50. This item is an infraction (443/79-05-01 and 444/79-05-01).

A 4-inch Grinnel diaphragm valve, Serial No. 75-1525-15-1, was observed in storage without the desiccant which is stated as a requirement in Westinghouse Procedure "WSS Component Receiving and Storage Guideline," Page 8-5, "Diaphragm Valve Receiving and Storage Instructions," March 1976. However, UE&C Preventative Maintenance Book 5, Unit 2, No. 214-1, states that "desiccants are not applicable on 4-inch diaphragm valves".

This item is unresolved pending the licensee's resolution of the conflicting directives (443/79-05-02 and 444/79-05-02).

#### 4. Salt Water Intrusion During Shipment of Equipment

During the onsite receiving inspection of the reactor pressure vessel closure head and internals, evidence of small quantities of water were found by the licensee to be present under the coverings. The liquid was analyzed for chlorides, and the analyses confirmed the presence of chlorides ranging from 110 up to 12,400 parts per million. Westinghouse approved the interim cleaning procedures to be followed. At the time of the inspection the cleaning operations had not been completed.

Nonconformance Reports (NCR's) Nos. 239, 240, and 241, were prepared on March 26, 1979; each of which included the notation "Not reportable per 10 CFR 50.55(e)."

This item is unresolved pending review by an NRC inspector of the documentation of the inspection and cleaning of these components (443/79-05-03 and 444/79-05-03).

#### 5. Unresolved Items

Unresolved items are matters about which more information is required in order to ascertain whether they are acceptable items, items of noncompliance, or deviations. Unresolved items disclosed during this inspection are discussed in Paragraphs 3 and 4 of this report.

6. Exit Interview

The inspector met with the licensee and contractor representatives (denoted in Paragraph 1) at the conclusion of the inspection on April 4, 1979. The inspector summarized the scope and findings of the inspection.