

U.S. NUCLEAR REGULATORY COMMISSION  
REGION I

Report No. 50-443/83-21

Docket No. 50-443

License No. CPPR-135

Priority

Category B

Licensee: Public Service Company of New Hampshire  
1000 Elm Street  
Manchester, New Hampshire 03105

Facility Name: Seabrook Station, Unit 1

Inspection At: Seabrook, New Hampshire

Inspection Conducted: December 19-22

Inspector: L. Briggs  
L. Briggs, Lead Reactor Engineer

1/25/84  
date

Approved by: L. Bettenhausen  
L. Bettenhausen, Chief, Test Programs  
Section

1/25/84  
date

Inspection Summary:

Inspection on December 19-22, 1983 (Report No. 50-442/83-21)

Areas Inspected: Routine, unannounced inspection by one region-based inspector (15.0) hours of follow-up of inspector identified item, preoperational and acceptance test procedure review, and a facility tour.

Results: No violations were identified.

## DETAILS

### 1. Persons Contacted

- \*D. Covill, Field Quality Assurance Surveillance Supervisor
- \*G. Kann, Test Group Supervisor, Phase 2-6
- \*G. McDonald, Quality Assurance Manager
- \*W. Middleton, Construction Field Quality Assurance Specialist
- \*S. Sadosky, Construction Field Quality Assurance Engineer
- \*J. Singleton, Construction Field Quality Assurance Manager

### Other NRC Personnel Present

- \*A. Cerne, Senior Resident Inspector
- \*R. Gallo, Chief, Projects Section 2A, Region I

The inspector also contacted other members of the licensee's technical and quality assurance start-up staff.

\* Denotes those present at the December 22, 1983 exit meeting.

### 2. Follow-up of Previous Inspection Finding

(Closed) Inspector Follow Item, 83-16-01, Licensee to revise TPI-14 to specify action to be taken if measurement and test instruments were found in use beyond their calibration due dates. The licensee has issued Revision 5 to TPI-14, dated November 9, 1983, to specify corrective action to be taken should the above problem occur.

The inspector reviewed the revised procedure and found it acceptable. This item is closed.

### 3. Preoperational Test Procedure Review and Verification

#### 3.1 Test Procedure Review and Verification

The 30 preoperational and acceptance test procedures listed in Attachment A were reviewed in preparation for test witnessing, for technical and administrative adequacy and for verification that testing is planned to adequately satisfy regulatory guidance and licensee commitments. The procedures were reviewed to verify licensee review and approval, proper format, test objectives, prerequisites, initial conditions, test data recording requirements and system return to normal.

#### 3.2 Findings

During review of AT-7, Secondary Component Cooling Water System, the inspector noted that pump suction and discharge pressures were taken. However, Chapter 14, Table 14.2-4 of the FSAR requires pump pressures and flows to be taken to verify the vendor-supplied pump curves. This item was discussed with the licensee. The licensee agreed to revise AT-7 to include the necessary pressure and flow measurements to satisfy the FSAR Chapter 14 requirements. This item is unresolved pending licensee revision and subsequent NRC review of AT-7 (443/83-21-01).

Several other procedures (AT-38, AT-24.1, AT-13.1, AT-13.3, AT-8 and PT-11) had minor omissions in their Reference sections and were discussed with the licensee. The above procedures will be revised to incorporate/-delete the identified references and will be reviewed during a subsequent inspection.

The inspector had no further questions at this time.

4. Licensee Startup Department Reorganization

During November 1983 the licensee shifted reporting responsibility of the Startup Department from the Owners Construction Management Group to the Vice President Nuclear Production. This places the Startup Manager under the same vice president as the Station Manager. This reorganization should enhance operations department control and involvement in the preoperational and startup testing phases of the licensee's program.

The inspector had no further questions at this time.

5. Plant Tour

The inspector, accompanied by the Resident and Senior Resident Inspector, toured the facility to observe work in progress, housekeeping, cleanliness controls and status of construction activities. Of particular interest was the Service Water Pump House which was being flooded in preparation for testing of the Service Water System.

No unacceptable conditions were identified.

6. Unresolved Items

Unresolved items are matters about which more information is required to ascertain whether they are acceptable, items of noncompliance or deviations. The unresolved item identified during this inspection is discussed in Paragraph 3.2.

7. Exit Interview

A management meeting was held at the conclusion of the inspection on December 22, 1983 to discuss inspection scope and findings as detailed in this report (see Paragraph 1 for Attendees). No written information was provided to the licensee at any time during the inspection.

Attachment A

Preoperational and Acceptance

Tests Reviewed

		<u>Rev.</u>	<u>Date</u>
AT-4.2	Condenser Air Evacuation-Water Box Priming Pumps	0	04/08/82
AT-7	Secondary Comp. Cooling Water System	0	09/01/83
AT-8	CVCS - Letdown Degasifier	0	11/28/83
AT-13.1	Fire Pump Flow Capacity	0	11/28/83
AT-13.3	Turbine Building Auto Sprinkler and Deluge System	0	11/28/83
AT-13.8	Transformer Area Fire Prot.	0	11/28/83
AT-20.2	Waste Processing Bldg. H. W. Heating System	0	02/27/82
AT-24.1	Electrical Penetration Area Air Conditioning System	0	07/29/83
AT-36	Turbine Steam Seal System	0	08/18/83
AT-37	Feedwater Pump Lube Oil System	0	08/05/83
AT-38	Auxiliary Boilers	0	02/18/83
AT-40	Water Treatment System	0	11/28/83
AT-41	Main Lube Oil System	0	07/29/82
AT-42.2	Electro-Hydraulic Control Fluid System (EHC)	0	10/07/83
AT-43	Generator Seal Oil	0	02/04/82
AT-47	Air Conditioning System	0	11/28/83
AT-49	D/G & Control Bldg. Hot Water Heating System	0	10/07/83
AT-50	PAB & FSB Hot Water System	0	11/09/83
AT-51	Service Bldg. Vent. Sys.	0	05/26/83
AT-53	Main Steam & Feedwater Pipe Chase Ventilation	0	05/26/83
AT-55.1	Admin. bldg. Vent System	0	12/03/82
AT-55.2	Admin. & Service Bldg. Heat. Sys.	0	12/10/82
AT-55.3	Admin. Bldg. Chilled Water Sys.	0	11/18/82
AT-56	Aux. Boiler & Water Treat. Room Vent. Sys.	1	12/03/82
AT-57	Non-Essential Switchgear Room Ventilation	0	05/26/83
AT-60	Generator Leak Test (Hydrogen)	1	07/06/83
AT-65	Equipment Vent System	0	09/01/83
PT(I)-2.2	Pressure Relief Tank (HFT)	0	11/28/83
PT-11	Containment Sump Recirc. Flow Test	0	02/14/82
PT-23	Containment Enclosure Exhaust	0	11/28/83