

U.S. NUCLEAR REGULATORY COMMISSION
REGION I

Report No. 50-443/84-11

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: August 21-24, 1984

Inspectors: *L.E. Briggs*
L. Briggs, ~~Lead~~ Reactor Engineer

9/12/84
date

L.E. Briggs for
H. Van Kessel, Reactor Engineer

9/12/84
date

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

9/21/84
date

Inspection Summary: Inspection on August 21-24, 1984 (Report No. 50-443/84-11)

Areas Inspected: Routine, unannounced inspection by two region-based inspectors (41 hours) of preoperational test procedure review and verification, QA interface with preoperational testing, system turnover program, and a facility tour.

Results: No violations were identified.

DETAILS1. Persons Contacted

*D. Bodoh, QA Engineer
 *D. Covill, Construction Field QA Surveillance Supervisor
 *G. Kann, Phase 2-6 Test Group Manager
 *D. Lambert, Field Supervisor, UE&C QA
 *J. Marchi, Startup QC
 *D. McLain, Startup Manager
 W. Middleton, QA Specialist
 *J. Singleton, Construction Field QA Manager
 *J. Tefft, STD Special Assistant
 W. Temple, QA Engineer

Other NRC Personnel Present

H. Wescott, Resident Inspector

*Denotes those present at the August 24, 1984 exit meeting.

2. Preoperational Test Review and Verification

The following procedures 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, technical adequacy and system return to normal.

- 1-PT(I)-1.1, Revision 1, Reactor Coolant Pumps - Initial Operation, approved August 8, 1984;
- 1-PT-7, Revision 0, Residual Heat Removal System, approved May 16, 1984;
- 1-PT(I)-9, Revision 1, ECCS Hot Functional Test, approved August 8, 1984;
- 1-PT-15.10, Revision 0, Service Water Pump Tests and Auto-Start, approved May 30, 1984;
- 1-PT(I)-40.4, Revision 0, Instrument Cross Verification Check and Reactor Coolant Pump Operating Record, approved May 2, 1984;
- 1-PT(I)-43, Revision 0, Reactor Post-Hot Functional Inspection, approved June 6, 1984;
- 1-AT-5.1, Revision 0, Chemical Addition and Analysis System, approved August 15, 1984;
- 1-AT-11, Revision 0, Reactor Coolant Drain System, approved June 12, 1984;

- AT-13.4, Revision 0, CB and DGB Deluge System Actuation Testing, approved May 30, 1984;
- 1-AT(I)-24.2, Revision 0, Electrical Penetration Area - HFT, approved March 28, 1984;
- 1-AT-21.1, Revision 0, Containment Structure Cooling System, approved April 9, 1984;
- 1-AT-29, Revision 0, Plant Instrumentation for HFT, approved May 9, 1984;
- 1-AT-35, Revision 0, Polar Crane, approved May 23, 1984;
- 1-AT-44, Revision 0, Generator Stator Coolant System, approved August 8, 1984;
- 1-AT-46, Revision 0, Demineralized Water System, approved June 27, 1984; and,
- 1-AT-52, Revision 0, Circulating Water Pumphouse Heating and Ventilating System, approved April 19, 1984;

No unacceptable conditions were identified in the above review.

3. QA Interface With Preoperational Test Program

The inspector reviewed 6 recent Startup Quality Assurance (SUQA) surveillances of different areas of the licensee's startup program. The surveillance results were also discussed with the licensee's QA engineers. The following surveillances were reviewed:

- SUQA Surveillance No. Q2.6.21.7177, Preventive Maintenance (electrical), completed on July 23, 1984. Surveillance of megger checks of Residual Heat Removal Pumps RH-P-8A and 8B.

No deficiencies were identified.

- SUQA Surveillance No. Q2.6.21.7182, Qualification and Certification of Test Personnel, completed on July 23, 1984. This surveillance checked test personnel records for appropriate certification, education, experience, eye exams and completeness of documentation. Several minor problems were identified concerning agreement of documentation with actual personnel qualification. Most were minor errors in certification dates. All deficiencies were resolved at the time of the surveillance.

- SUQA Surveillance No. Q2.6.21.7188, Safety Tagging, completed on July 27, 1984. This surveillance identified 2 deficiencies.

- No "Positioned By" signature on 1 tag and
- Two Residual Heat Removal system boundary valves not tagged.

The deficiencies were immediately corrected.

-- SUQA Surveillance No. Q2.6.21.7210, Startup Test Department (STD), Work Request MS-193A, completed on August 6, 1984.

This surveillance identified a violation by STD (and SUQC) of TPI-11, Revision 6, prior to, and during the removal of two Main Steam Valves, IMS-V53 and V25. STD continued working on the valves after Pullman Higgins (PH) QA attached an NCR hold tag to the valves. Management Action Request (MAR) 007 was written to track the deficiency.

TPI-11 requires that, prior to code stamping for assembly or disassembly work on the valve, a NA certificate holder (PH) be present as scheduled by STD.

This item was resolved by STD management by means of a response to MAR 007.

-- SUQA Surveillance No. Q2.6.21.7219, Startup Test Department (STD), Safety Tagging Procedure TPI-23, revision 4, concerning Control Room PAB.

In this surveillance, adherence to the tagging procedure TPI-23 was checked. The danger tagging order number log, switching and tagging personnel list, danger tag requests, were checked as well as the verification that tags were placed in accordance with TPI-23.

There was a finding that danger tag request 84-712 had a change in the number of tags had a change in the number of tags issued without initials to authorize the change. The item was corrected.

-- SUQA Surveillance No. Q2.6.21.7209, Startup and Test Department, performed on August 6, 1984, Control of Special Processes, 1FP-F37, revision 1.

For this surveillance, adherence to procedure GT-C-04, revision 10 was checked in connection with a Fire Protection System flush for the Deluge System B.

No deficiencies were found.

4. System Turnover Program

Turnover procedures, presently, are in a state of flux, as is the startup organization because of the pending formation of a new company. STD has drawn up preliminary flow diagrams for the turnover process to reflect these changes. The major thrust of the startup program is now aimed at the completion of the RCS hydro in April, 1985. A number of safety related

systems, connected to the Reactor Coolant System, will be partially within the RCS Hydro Boundaries. The Boundary Identification Packages (BIPs) for these systems will be given priority as well as the BIPs for the support systems of the RCS hydrostatic test.

5. Plant Tours

The inspector made several tours of various areas of the facility to observe work in progress, housekeeping, cleanliness controls, and status of construction and preoperational testing activities.

During this inspection limited activity was taking place.

No unacceptable conditions were noted.

6. Exit Interview

A management meeting was held at the conclusion of the inspection on August 24, 1984, 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.