

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

Region I

Report No. 50-213/81-07

Docket No. 50-213

License No. DPR-61 Priority -- Category C

Licensee: Connecticut Yankee Atomic Power Company

P.O. Box 270

Hartford, Connecticut 06101

Facility Name: Haddam Neck Plant

Inspection at: Haddam, Connecticut

Inspection conducted: May 16 - June 21, 1981

Inspectors: *T. H. Smith*
T. H. Smith, Senior Resident Inspector

July 15, 1981
date signed

date signed

date signed

Approved by: *T. C. Elsasser*
T. C. Elsasser, Chief, Reactor Projects
Section 1B, Division of Resident and Project
Inspection

July 15, 1981
date signed

Inspection Summary: Inspection on May 16 - June 21, 1981 (Report No. 50-213/81-07)

Areas Inspected: Routine, unannounced inspection of plant operations including: tours of the facility; log and record review; licensee action on previous inspection findings; and Licensee Event Reports. The inspection involved 32 inspector-hours by the resident inspector.

Results: No items of noncompliance were identified.

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DETAILS

1. Persons Contacted

The below listed technical and supervisory personnel were among those contacted:

G. H. Bouchard, Maintenance Supervisor
T. W. Campbell, Instrument and Control Supervisor
H. E. Clow, Health Physics Supervisor
J. H. Ferguson, Station Services Superintendent
R. L. Gracie, Operations Assistant
R. H. Graves, Station Superintendent
G. R. Hallberg, Security Supervisor
J. M. Levine, Operations Supervisor
R. Z. Test, Engineering Supervisor
R. P. Traggio, Unit Superintendent

Other licensee staff and operating personnel were also interviewed during the course of the inspection.

2. Licensee Action on Previous Inspection Findings

(Closed) Unresolved Item (213/80-18-05):

Diesel generator day tank level. Surveillance procedure SUR 5.1-17-C, "Emergency Diesel Generators Manual Starting and Loading Test", has been revised to require that the day tank be refilled to greater than 400 gallons, the technical specification minimum, after the diesels have been test run. This item is considered resolved.

(Closed) Noncompliance Items (213/80-18-01 and 81-03-01):

Inadequate review of surveillance test results. The licensee has counselled appropriate personnel concerning the importance of proper review of surveillance test results. The licensee has also issued Operations Department Instruction 120, "Completion and Responsibilities of Procedure Handling" which addresses proper review of test data. Licensee action on these items is satisfactory.

(Closed) Follow Items (213/78-MR-12, 78-PR-03 and 78-PR-04):

These items were reviewed by the inspector and are administratively closed.

(Closed) Unresolved Item (213/79-16-01):

Support on diesel fuel line not noted on drawing. The licensee has determined that the support is not required and has removed it. This item is resolved.

(Closed) Follow Item (213/79-16-02):

Main feedwater pipe support discrepancies. The inspector verified that the noted items had been corrected.

(Closed) Unresolved Item (213/79-13-10):

Review design of emergency battery connection to the bus to determine adequacy of indication of disconnection of the battery from the bus. A plant design change, PDCR 400, has been completed which will cause an alarm on the main control board if the battery is disconnected from the bus or the main connecting fuse is blown. This item is considered resolved.

3. Shift Logs and Operating Records

- a. The inspector reviewed selected operating logs and records against the requirements of the following procedures:
 - ADM 1.1-5, Control Room Operating Log;
 - QA 1.2-14.1, Bypass and Jumper Control;
 - ADM 1.1-43, Control Room Area Limits for Control Operators;
 - NOP 2.2-2, Steady State Operation and Surveillance;
 - ADM 1.1-44, Shift Relief and Turnover;
 - QA 1.2-2.4, Housekeeping Requirements;
 - QA 1.2-16.1, Plant Information Reports; and
 - QA 1.2-14.2, Equipment Control.
- b. Shift Logs and operating records were reviewed to verify that:
 - Control Room log sheet entries are filled out and initialed;
 - Auxiliary log sheets are filled out and initialed;
 - Control Room Log entries involving abnormal conditions provide sufficient detail to communicate equipment status, lockout status, correction and restoration;

- Operating Orders do not conflict with Technical Specifications;
 - Plant Information Reports confirm there are no violations of Technical Specification requirements; and
 - Logs and records are maintained in accordance with Technical Specifications and the procedures noted above.
- c. The following operating logs and records were reviewed:
- NOP 2.2-2, Log sheets which consist of Control Room, Part 1 and 2, Primary Side Surveillance Form, Secondary Side Surveillance Form, and Radiation Monitoring System Daily Log;
 - Shift Turnover Sheets;
 - Jumper Log;
 - Tag Log; and
 - Control Room Operating Log.
- d. No unacceptable conditions were identified in this area.

4. Review of Plant Operation - Plant Tours

- a. During the course of the inspection, the inspector conducted multiple tours of the following plant areas:
- Control Room
 - Primary Auxiliary Building
 - Vital Switchgear Room
 - Diesel Generator Rooms
 - Turbine Building
 - Intake Building
 - Control Point
 - Security Building
 - Yard Areas
- b. The following observations/determinations were made:
- Radiation protection controls. Step-off pads, storage and disposal of protective clothing and control of high radiation areas were observed for adequacy in all areas toured. No unsatisfactory conditions were observed.
 - Monitoring instrumentation. The inspector verified that selected instruments were functioning properly and that the displayed parameters were within Technical Specification limits.

- Control room annunciators. Lighted annunciators were discussed with control room operators to verify that the reasons for them were understood and corrective action, if required, was being taken. On average, only one or two annunciators were lighted on each control room visit.
- Valve positions. The inspector verified that selected valves were in a position or condition required by the Technical Specifications. No discrepancies were identified.
- Plant housekeeping. Housekeeping was observed in all areas toured, including control of flammable material. No unsatisfactory conditions were observed.
- Fluid leaks. All areas toured were examined for evidence of excessive fluid leaks. None were found.
- Piping vibrations. All areas toured were examined for evidence of excessive piping vibration. None were found.
- Control room manning. The inspector verified that control room manning requirements of the Technical Specifications and licensee procedures were being met.
- Security. During the inspection, observations were made of plant security including adequacy of physical barriers, access control, vehicle control, and searches. No unacceptable conditions were identified.

5. Licensee Event Reports (LER's)

Through direct observations, discussions with licensee personnel, and review of records, the following event reports were reviewed to determine that reportability requirements of the Technical Specifications and Section Administrative and Operating Procedures were fulfilled, immediate corrective action was accomplished, and corrective action to prevent recurrence had been accomplished.

- 81-04 Auxiliary feedwater valve motor operator breaker found open. The breaker for a normally closed valve in a backup auxiliary feedwater flowpath, for which no credit is taken in the accident analysis, was found open. No cause for the breaker being open was determined. No other events of this type have occurred.
- 81-05 Fire barrier compromised. Unattended welding cables were found blocking a damper which would have closed in case of a fire. The welding cables were removed.

6. Review of Periodic and Special Reports

Upon receipt, periodic and special reports submitted by the licensee pursuant to Technical Specification 6.9.1 were reviewed by the inspector. This review included the following considerations: the report includes the information required to be reported by NRC requirements; planned corrective action is adequate for resolution of identified problems; determination whether any information in the report should be classified as an abnormal occurrence; and the validity of reported information. Within the scope of the above, the following periodic reports were reviewed by the inspector:

- Monthly Operating Report 81-04, for the month of April 1981.
- Monthly Operating Report 81-05, for the month of May 1981.

7. Exit Interview

At periodic intervals during the course of the inspection, meetings were held with senior licensee management personnel to discuss inspection scope and findings.