

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

Region I

Report No. 50-213/82-17

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: August 23 - September 26, 1982

Inspectors: Theodore A. Rebelowski
T. Rebelowski, Senior Resident Inspector
(Indian Point 1 & 2)

10/7/82
date signed

date signed

date signed

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

10/14/82
date signed

Inspection Summary:

Inspection of August 23 - September 26, 1982 (Report No. 50-213/82-17)

Areas Inspected: Routine inspection by senior resident inspector (Indian Point 1 & 2) of plant operations including tours of the facility, log and record review, surveillance and containment entry. The inspection involved 37 hours.

Results: No violations 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
M.F. Bray, Shift Supervisor
J.H. Ferguson, Unit Supervisor
*R.H. Graves, Station Superintendent
G.R. Hallberg, Security Supervisor
*T.G. Murray, Engineer
*R.Z. Test, Station Services Superintendent
R.S. Tourrille, Shift Supervisor

*present during exit interview

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

2. Review of Plant Operation - Plant Inspections

a. During the course of the inspection, the inspector conducted multiple tours of the following plant areas:

- Control Room
- Primary Auxiliary Building
- Auxiliary Feed Pump Area
- Diesel Generator Rooms
- Turbine Building
- Intake Building
- Control Point
- Security Building
- Fence Line (Protected Area)
- Yard Areas
- Containment

b. The following observations/determinations were made:

- Radiation protection controls. The inspector reviewed or observed the following: Radiation Work Permits (RWP) in use, personnel compliance with RWP's, routine radiation area surveys, posting of radiation and high radiation areas and use of protective clothing and personal monitoring devices. The containment building inspection at power was properly monitored and found adequate. No unsatisfactory conditions were identified.
- Monitoring instrumentation. Control room instruments were observed for proper operation, correlation between channels and that the displayed parameters were within technical specification limits. No unsatisfactory conditions were identified.
- Equipment lineups. The inspector verified that selected valves and breakers were in a position or condition required by the Technical Specifications.
- 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.
- Plant housekeeping controls. Plant housekeeping controls were observed including control and storage of flammable material, control of potential safety hazards, and licensee action to control the spread of surface and airborne contamination. No unsatisfactory conditions were identified.
- Fluid leaks, piping vibrations. All areas toured were examined for evidence of fluid leaks and piping vibrations. None were found.
- Fire protection/prevention. The inspector examined the condition of selected pieces of fire fighting equipment. No unsatisfactory conditions were identified. Combustible materials were being controlled and were not found near vital areas. Selected cable penetrations were examined and fire barriers were found intact. Cable trays were clear of debris.
- Control room manning. The inspector verified that control room manning requirements of the technical specifications 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.

- c. On September 17, 1982, at 1630 hours, the licensee commenced a reduction in power to investigate a transformer oil problem. The unit was removed from the grid at 1727 hours.

Transformer repairs, hookup of a temporary new battery bank, and other minor maintenance was performed. The unit returned to the grid at September 25, 1982, at 2316 hours.

3. 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 report was reviewed by the inspector:

- Monthly Operating Report 82-08 for the month of August 1982.

4. 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;
- 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. All active entries were reviewed.
- Tag Log. All active entries were reviewed.
- Control Room Operating Log.

d. No unacceptable conditions were identified.

5. Surveillance Activities

The inspector observed containment fan testing surveillances and verified that: testing was performed using an approved procedure; the procedure was sufficiently detailed to assure performance of a satisfactory surveillance; test instrumentation was calibrated and in use; Technical Specification requirements were satisfied prior to the removal of the system from service; the test was performed by qualified personnel; and test results were satisfied and test procedure requirements or identified deficiencies were reviewed and resolved by appropriate management personnel. The inspector witnessed performance of:

- SUR 5.1-21 Rev. 2 Containment Recirculation System - Charcoal Filter Spray Valve Operation Check.

Observations: (1) Spray Header Valve RH MOV 29. The electric conduit protective casing was detached at the cable to valve motor junction. The licensee issued a maintenance request to repair the valve. (2) Phone locations in containment are not convenient to test location, thus lengthening technicians' stay in containment (ALARA concern).

- SUR 5.1-22C Rev. 4 Containment Recirculation System Fan Cooler Inspection.

Observation: No gross leakage noted.

-- SUR 5.1-8 Containment Recirculation Fan Damper Test and Filter Inspection.

Observation: The rubber gasket mating surfaces of face dampers on three fans are dislodged, thus preventing 100% closure of dampers. This item is unresolved (213/82-17-02).

Filter Δ P were reading incorrectly. The licensee has the test procedure under review. Maintenance requests have been written to repair items noted.

No violations were identified during the performance of the above tests.

6. Containment Entries

On September 16, 1982, a containment entry was made by the licensee and the senior inspector.

Observations: (1) The licensee has reduced its containment inspections to a monthly frequency. The licensee's response to NRC Bulletin No. 80-24, January 5, 1981, states in paragraph 2e that "Weekly containment inspection to check for water leakage, amongst other items are currently being performed." The inspector requested the licensee to document reasons for change, in a manner that would represent present status of containment entry frequency. This item is unresolved. (213/82-17-01)

(2) During containment entry under power it was observed that licensee policy limits stay time in containment based on temperature and radiological concerns. The physical condition of personnel prior to entry and after egress is not monitored (blood pressure, temperature, pulse, etc.). One individual in the entry team appeared to have difficulty after a period of 40 minutes. Discussions with management indicated that further review with medical staff would be conducted.

(3) Lighting. The containment area had minimal or no lighting due to burned out lamps. Hand lighting was provided.

No violations were identified.

7. I.E. Information Notice 82-36

The licensee reviewed the contents of the notice which discussed the use of a particular model 5-minute Emergency Escape Self-Contained Breathing Apparatus. No units of the identified model are in use or on site. The inspector has no further questions on this item.

8. Unresolved Items

Unresolved items are matters about which more information is required in order to ascertain whether they are acceptable, a violation, or a deviation. The unresolved items identified during the inspection were discussed in Paragraphs 5 and 6.

9. 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.