

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

IE Inspection Report No: 50-286/75-19 Docket No: 50-286
Licensee: Consolidated Edison Company of New York, Inc. License No: CPPR-62
Indian Point 3 Priority: _____
Category: B1
Safeguards Group: _____

Location: Buchanan, New York

Type of Licensee: PWR, 1050 MWe (W)

Mode of Inspection: Special, Announced

Dates of Inspection: June 12, 26-27, 1975

Dates of Previous Inspection: June 2-4, 1975

Reporting Inspector: *JW Hannon for*
A. N. Fasano, Reactor Inspector

7/11/75
DATE

Accompanying Inspectors: *D P Johnson*
T. A. Rebelowski, Reactor Inspector

7/11/75
DATE

DATE

DATE

Other Accompanying Personnel: *A. B. Davis*
A. B. Davis, Senior Reactor Inspector

7/12/75
DATE

Reviewed By: *A. B. Davis*
A. B. Davis, Senior Reactor Inspector
Reactor Operations Branch

7/12/75
DATE

SUMMARY OF FINDINGS

Enforcement Action

None

Licensee Action on Previously Identified Enforcement Items

Not inspected.

Other Significant Findings

A. Current Findings

1. Acceptable Areas

The following areas were inspected on a sampling basis. Findings did not involve an Item of Noncompliance, Deviation or Unresolved Item.

- a. Extended Construction Completion Delay. (Detail 2)
- b. Evaluation of Procedure INT-TP 4.11.8, Containment Penetration and Weld Channel Pressurization System. (Detail 4)
- c. Evaluation of Licensee's Test Results for:
 - (1) INT-TP 1.4.1 Auxiliary Boiler Feed Pump
 - (2) INT-TP 4.2.6 Boric Acid Tanks and Pumps
 - (3) INT-TP 4.2.2 Reactor Coolant System Solid Pressure Control
 - (4) INT-TP 4.10.2 Voice Communication

2. Unresolved Items

More information is required to determine the status of the following items.

- a. Completion status of facility procedures program. (Detail 3)

B. Status of Previously Reported Unresolved Items

Personnel airlock modification - Vent Relief Valve (Detail 5). This item remains unresolved pending completion of testing.

Management Interview

An exit interview was conducted on June 27, 1975 at the conclusion of the inspection at the Indian Point site.

Persons in Attendance

Mr. S. Cantone, Chief Operations Engineer
Mr. G. Coulbourn, Jr., Manager Construction
Mr. W. Josiger, Test Engineer
Mr. V. Perry, Jr., Superintendent, Field Operations
Mr. S. Zulk, Acting Operations Engineer, Unit 3

The following items were discussed and inspectors findings were noted by the licensee.

A. Review of Evaluation of Preoperational Test Results

The inspector stated that review of five completed preoperational tests was performed. No deficiencies were noted. (Detail 8)

B. Preparations for Extended Construction Delay

The inspector stated various parameters that would be reviewed by IE:I in regard to a possible extended delay prior to fuel loading. (Detail 2)

DETAILS

1. Persons Contacted

Mr. J. Makepeace, Technical Operations Director
Mr. A. Kohler, Jr., Resident Construction Manager
Mr. G. Coulbourn, Jr., Manager Construction
Mr. V. Perry, Jr., Superintendent, Field Operations
Mr. S. Zulla, Acting Operations Engineer, Unit 3
Mr. W. Josiger, Test Engineer
Mr. H. W. Cairns, Supervisor Construction Inspector
Mr. P. B. Upson, Chief Construction Inspector

2. Extended Construction Completion Delay

The inspector discussed with licensee the scope of a preplanned program of preventive maintenance and surveillance that would be necessary during an extended construction completion delay, ensure operational readiness and preservation of safety related systems.

The inspector stated to the licensee that the need for formulating and instituting such a program would be addressed by DRL to the licensee. The manner of notification to licensee presently under consideration would take the form of a request for a Special Report to delineate the extent of the licensee's program.

The Office of Inspection and Enforcement role would concern the implementation of the licensee's program and a review of audits of the program.

The inspector discussed with the licensee the following areas:

- a. System Maintenance and Surveillance (M&S)
- b. Piping and Tanks (M&S)
- c. Pumps and Motors (M&S)
- d. Environmental Concerns
- e. Contractor's Control of Equipment
- f. System Audits
- g. Retest requirements prior to the resumption of initial fuel loading.

Topics discussed in the above areas included layup conditions, recirculation of fluid filled piping, water chemistry checks, valve maintenance and timing, lubrication program breaker operability checks, rotation of equipment, environmental concerns, fan filter surveillance, battery charge and discharge program, resin maintenance and controls and audits that would be instituted by licensee during an extended delay.

The licensee stated that the present schedule did not include plans for an extended delay. Presently no plans have been formulated to address topics discussed with the inspector but that if a scheduling change occurs all areas would be reviewed to determine the extent of the licensee program.

The inspector has no further questions at this time.

3. Facility Procedure Program

a. Completion Status

Information obtained during this inspection indicated that the following status of completion regarding the Facilities Procedures Program:

	<u>% Approved</u>
System Operating Procedures	95
Emergency Operating Procedures	98
Alarm Procedures	98

The status of the above procedures and the status of the Preventive Maintenance procedures and surveillance procedures will be reviewed during subsequent inspections.

b. Procedures to be Approved

(1) System Operating Procedures

- (a) SOP-CB-2 Containment Entry and Egress
- (b) SOP-CB-3 Containment Pressure Relief and Purge System
- (c) SOP-CVCS-2 Charging, Seal Water and Letdown Control
- (d) SOP-FW-4 Auxiliary Feedwater and Condensate System
- (e) SOP-RHR-1 Residual Heat Removal System Operation

- (f) SOP-RP-10 Irradiation Sample Removal
- (g) SOP-RP-18 Stud Tensioning and Detensioning
- (h) SOP-SS-2 Secondary Sampling Operation
- (i) SOP-WDS-1 Liquid Waste Disposal System Operation
- (j) SOP-WDS-6 Liquid Waste Discharge Procedure
- (k) SOP-WDS-7 Gaseous Waste Discharge Procedure

(2) Plant Emergency Procedures

- (a) PEP-FW-3 Feedwater Heater Tube Leak

(3) Alarm Procedures

- (a) Local-Steam and Water Analysis

4. Inspector Evaluation of Test Results

The inspector reviewed procedure INT TP 4.11.8 Containment Penetration and Weld Channel Pressurization System to determine:

a. Extent of Test Changes

All test changes (10) were approved per Administrative Guidelines for Testing, Admin. 1.0 and procedure was annotated to identify test changes. One change requiring a new pressure switch was not documented as to specific actions taken. Further review with licensee determined that Test Deficiency Report 173 was issued and the item appears on the punch list. A retest was noted to complete the licensee action. The objectives of test were not affected by test changes. The inspector has no further questions in this area.

b. Test Deficiencies

During testing a faulty pressure switch was identified.

c. Review of Procedure Data Collection

The licensee data sheets, criteria tolerances, and test steps were properly initialed and dated.

d. Review of Test Summary

A review of test summary was performed by Con Ed Central Engineering and verified results to design requirements and acceptance criteria. The inspector's evaluation concurred with the findings.

e. Test Results

Test results were reviewed by the licensee per Admin 1.0 paragraphs 5.14 and 5.15 and data was accepted by the A/E and Con Ed Joint Test Group.

The inspector has no further questions on the evaluation of INT-TP 4.11.8.

5. Personnel Air Lock Modifications - Vent Relief Valve
(Reference: IE:I Inspection Report 50-286/75-05 MI-I)

The licensee has installed piping and valving to allow equalization of personnel air lock and containment pressure to preclude damage to air lock door gaskets. Pressure tests to verify sealing from greater containment pressures have not been performed to date. Pending completion of testing (tentatively scheduled for week of July 7) this item remains unresolved.

6. Operator Retraining Program

The inspector requested the licensee to state their intended operator retraining program start dates. The licensee stated that a planned program for operator retraining is presently scheduled for the month of September and is not dependent on the OL issuance date.

7. Tour of Reactor Containment

A tour of the reactor containment was conducted with the licensee. The continuing effort on the steam generator water box repair was evident. Work is continuing on the placement of hangers and installation of lagging.

The construction activity appeared to be relatively high with fuel loading date projected to be in early July 1975.

The inspector noted and stated that the housekeeping was unacceptable for the level of stated completion of construction (99%). It was further stated that this condition would have to be corrected prior to core loading.

The inspector stated that the work level was such that it would be required to have a review of these efforts to evaluate the potential affect on a safe core loading.

The licensee acknowledged the inspectors comments.

8. Evaluation of Licensee Test Results Review

The inspector reviewed the results of the licensee's preoperational test evaluation for the following completed procedures:

INT-TP 1.4.1 Auxiliary Boiler Feed Pump
INT-TP 4.2.6 Boric Acid Tanks and Pumps
INT-TP 4.2.2 Reactor Coolant System Solid Pressure Control
INT-TP 4.10.2 Voice Communication

The inspector's review consisted of determining that:

- Licensee's engineering had evaluated the test results and did note satisfactory completion of design requirements;
- Licensee had compared test results with established test procedure criteria;
- The licensee had completed his review and acceptance of data package and the evaluation;
- The licensee's off site engineering and Quality Assurance groups had commented and the licensee had taken corrective action to resolve concerns.

a. Engineering Evaluation

The licensee central engineering staff reviewed the test procedures on and off site and evaluated the test results. Additional review by the operations department was also noted. The design requirements were met in the procedures reviewed and were indicated by signature of the JTG. The inspector's review found no discrepancies in the area of design requirements for the procedures reviewed.

b. Criteria

The results of the test data indicated that the acceptance criteria were met or exceeded.

c. Review and Acceptance of Data

The licensee's test results were reviewed by the A/E and the offsite engineering staff and on site JTG. The licensee's review indicated that the tests did meet the design requirements.

The inspector noted that summary sheets of areas to be tested in INT-TP 4.10.2 Voice Communications did not check speaker UT-4. The licensee revised the listing prior to the conclusion of the inspection. This summary sheet is not required per licensee Administrative Guidelines for testing but has been noted in other reviews of evaluation of test results and establishes additional checks of the system completion. The inspector has no further questions in this area.

d. Resolution of Off Site Review Comments

The licensee had incorporated and resolved the off site engineering staff and JTG concerns. The inspector noted that a terminal box was indentified as open and no verification of closure was noted in the procedure. The licensee's review of the procedure and the test log indicated closure prior to testing. The inspector has no further questions in this area.

e. Additional Inspector Comments

The inspector noted that the licensee's procedure on Voice Communications did not address the emergency power sources and radio communications. Further information was obtained from the licensee as to sources of emergency power and radio testing. The inspector has no further questions in this area.