

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

IE Inspection Report No: 50-286/75-27

Docket No: 50-286

Licensee: Consolidated Edison Company of New York, Inc.
Indian Point 3
4 Irving Place
New York, New York

License No: CPPR-62

Priority: _____

Category: B

Location: Buchanan, New York

Safeguards Group: _____

Type of Licensee: PWR, 1050 MW(e) Westinghouse

Type of Inspection: Routine, Unannounced

Dates of Inspection: October 23 and 24, 1975

Dates of Previous Inspection: October 21-23, 1975

Reporting Inspector: *S.A. Folsom*
Seth A. Folsom, Reactor Inspector

11/7/75
DATE

Accompanying Inspectors: *L.W. Gage*
L. W. Gage, Reactor Inspector

11/7/75
DATE

DATE

DATE

Other Accompanying Personnel: R. J. Paolino, Reactor Inspector

Reviewed By: *R.F. Heishman*
R. F. Heishman, Senior Reactor Inspector

DATE
11/11/75
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SUMMARY OF FINDINGS

Enforcement Action

A. Items of Noncompliance

None

B. Deviations

None

Licensee Action on Previously Identified Enforcement Items

Not applicable

Design Changes

None identified

Unusual Occurrences

Emergency Diesel Generator - Lubrication System Piping

An emergency diesel generator failed to start during testing operations due to an improper modification to the lubricating oil system. This item is unresolved. (Details, Paragraph 2)

Other Significant Findings

A. Current Findings

Not applicable

B. Status of Previous Unresolved Items

1. Fuel Handling Upender and Crane Operability

Crane control circuitry has been modified and testing completed. This item is resolved. (Details, Paragraph 3)

2. Seismic Restraints, Hangers and Supports

The installation and final checkout of the hydraulic snubbers has not been completed. The non-hydraulic restraints, hangers and supports have been installed and checkout completed. This item remains unresolved. (Details, Paragraph 4)

3. Containment Sample Line Penetrations

A tentative decision has been reached to postpone the modification of the sample line penetration until an outage following plant startup. This item is unresolved. (Details, Paragraph 5)

4. Electrical Penetration Seals and Fire Stops

The installation of electrical penetration seals and fire stops was incomplete. The mastic on several cable penetration seals had shrunk and pulled away from the concrete edges of the penetration. This item remains unresolved. (Details, Paragraph 6)

5. Steam Generator Cladding Repair Program

The channel head of all four steam generators has been cleaned, final inspection completed, and diaphragms installed in each manway. The licensee submitted the "Report on Steam Generator Channel Head Cladding" to the Division of Reactor Licensing on September 19, 1975. This item remains unresolved. (Details, Paragraph 7)

Management Interview

A management meeting was held at the site at the conclusion of the inspection on October 24, 1975.

Persons Present

Consolidated Edison Company of New York, Inc.

Mr. H. W. Cairns, Supervising Construction Inspector
Mr. A. D. Kohler, Jr., Resident Construction Manager
Mr. D. D. Milano, Field Engineer
Mr. V. M. Perry, Jr., Superintendent, IP3 Construction
Mr. F. O. Repose, Supervisor, Field Operations
Mr. P. B. Upson, Quality Assurance Engineer

WEDCO Corporation

Mr. S. R. Buckingham, Reliability Manager

Following is a summary of the items discussed. The licensee acknowledged each of the inspector's statements.

A. Scope of the Inspection

The inspector stated that the purpose of this inspection was to review progress on the resolution of previously identified items.

B. Emergency Diesel Generator - Lubrication System Piping

The inspector stated that he had been informed that a modification in the lubrication system piping on the emergency diesel generators had resulted, during testing operations, in the failure of one diesel generator to start. This item is unresolved. (Details, Paragraph 2)

C. Review of Previous Unresolved Items

The items discussed are identified under Status of Previous Unresolved Items in the Summary of Findings in this report. (Details, Paragraphs 2 through 7)

D. Readiness of Plant for Fuel Loading

The inspector stated that considerable progress had been made since his last inspection in readying the plant for operation. The plant area, however, still contained quantities of scaffolding, rigging, insulation, and debris which would have to be removed before fuel loading. The licensee stated that the cleanup was continuing and that an increasing number of people were being assigned to this task.

DETAILS

1. Persons Contacted

Consolidated Edison Company of New York, Inc.

Mr. H. W. Cairns, Supervising Construction Inspector
Mr. F. Hertrich, Construction Inspector
Mr. T. J. Houlihan, Supervising Construction Inspector
Mr. A. D. Kohler, Jr., Resident Construction Manager
Mr. D. D. Milano, Field Engineer
Mr. V. M. Perry, Jr., Superintendent, IP3 Construction
Mr. F. C. Repose, Supervisor, Field Operations
Mr. P. B. Upson, Quality Assurance Engineer

WEDCO Corporation

Mr. D. E. Anderson, Vice President
Mr. S. R. Buckingham, Reliability Manager

2. Emergency Diesel Generator - Lubrication System Piping

On October 23, 1975, the licensee reported the following occurrence to the inspector:

During emergency diesel testing operations on October 14, 1975, one of the Alco diesels failed to start. Lubricating oil was observed to be spraying out of the diesel's exhaust manifold gaskets onto the adjacent wall. Within seconds the startup operation was terminated.

Investigation indicated that the diesel vendor's field representative, in an effort to correct a previously reported bearing seal leakage, had incorrectly directed the installation of a check valve in the lubricating oil system drain line in each diesel rather than in the bearing lubricating oil supply lines.

There was no personal injury, or damage to the bearings or other equipment. The piping modification was corrected, but no final disposition has been made. The licensee considered this occurrence reportable per 10 CFR 50.55(e). The delay in reporting was due to a previous conclusion that the item was not reportable. A 30-day report will be issued when the investigation has been concluded. This item is unresolved.

3. Fuel Handling Upender and Crane Operability

The licensee notified the inspector on March 26, 1975 that the cable had broken on the fuel handling crane during test operations. Subsequently it was found that a change in the control circuitry would prevent recurrence of the cable breaking.

The control circuit change has been made, and the equipment was tested successfully. The inspector examined the following documentation:

- a. Con Ed/WEDCO Joint Test Group Procedure No. INT-TP-4.11.3, "Handling Procedure Checkout," September 19, 1975.
- b. Con Ed letter No. IPR-7637 to Manager WEDCO Operations, October 10, 1975, "Acceptance of Test Results for INT-TP-4.11.3 Fuel Handling Facility Checkout," which stated in part, "Con Ed has reviewed the subject test results and finds same acceptable. Attached is the signed official test procedure cover sheet(s)."

This item is resolved.

4. Seismic Restraints, Hangers and Supports

At a previous inspection the licensee reported that WEDCO considered the hydraulic seismic restraint installation to be complete and final checkout to be complete except for seven minor defects which required correction. At this inspection, the licensee stated that a ConEd QA audit of 131 of the 156 (total) installed hydraulic restraints listed numerous defects which required correction. The information was contained in a Con Ed letter to WEDCO dated October 22, 1975, which included a statement that "87 are considered to be in violation of WQA-4-0-17 Inspection Procedure-Hangers, Supports and Restraints for Class I and II Piping. The high percentage of rejectable snubbers require prompt corrective action."

The inspector examined several hydraulic restraints reported in this audit and confirmed the audit findings. The inspector asked the licensee when the remaining 25 hydraulic restraints would be audited and was told that this would be completed "in a few days." The WEDCO representative stated that many of the reported defects, such as scarred shafts had occurred since WEDCO's final checkout. He added that all reported defects would be corrected at an early date. This hydraulic seismic restraint item remains unresolved.

The other (non-hydraulic) restraints, hangers and supports were reported to be installed and checkout completed by both WEDCO and the licensee. The inspector examined a number of the restraints, hangers and supports in several plant areas and found the installations to be acceptable, and this item is resolved.

Eight Con Ed QA audits of non-hydraulic restraints, hangers and supports had been conducted during the period from May 27, 1975 to October 17, 1975, and the records indicated that identified items had been corrected.

5. Containment Sample Line Penetrations

The licensee notified the inspector on August 22, 1975 that a review of the design of the containment sample line penetration had indicated that the possibility existed of buckling and leakage of cold sample lines located adjacent to hot sample lines. This leakage would then contaminate the containment weld channel system. At this inspection, the licensee stated that it had tentatively been decided to delay the modification of the sample line penetration "until a convenient outage following startup." This item is considered by the licensee to be reportable per 10CFR50.55(e) and is unresolved.

6. Electrical Penetration Seals and Firestops

The installation of electrical penetration seals and firestops was incomplete. The mastic on several cable penetration seals had shrunk and pulled away from the concrete edges of the penetration. Also, recent penetration seals, in the upper cable tunnel, had small cracks in the seals. This item remains unresolved.

7. Steam Generator Cladding Repair Program

The channel heads of all four steam generators have been cleaned, final inspection completed, and diaphragms installed in each manway. The licensee submitted the "Report on Steam Generator Channel Head Cladding" to the Division of Reactor Licensing on September 19, 1975. This item remains unresolved.