

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

IE Inspection Report No: 50-286/75-31

Docket No: 50-286

Licensee: Consolidated Edison of New York, Inc.

License No: CPPR-62

Indian Point 3

Priority: \_\_\_\_\_

4 Irving Place, New York, New York 10003

Category: B

\_\_\_\_\_

Safeguards  
Group: \_\_\_\_\_

Location: Buchanan, New York

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

Type of Inspection: Routine, Announced

Dates of Inspection: November 14, 1975

Dates of Previous Inspection: November 10-12, 1975

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

12/1/75  
DATE

Accompanying Inspectors: \_\_\_\_\_

DATE

\_\_\_\_\_

DATE

\_\_\_\_\_

DATE

Other Accompanying Personnel: R. M. Gallo, Reactor Inspector

DATE

Reviewed By: *R F Heishman*  
R. F. Heishman, Section Leader

12/1/75  
DATE

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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

None identified

Other Significant Findings

A. Current Findings

Not applicable

B. Status of Previous Unresolved Items

1. Emergency Diesel Generator-Lubrication System Piping

The lubrication system piping change was corrected in both emergency diesel generators. The equipment was re-tested, and operated satisfactorily. This item is unresolved pending receipt and review of the final 50.55 (e) report. (Details, Paragraph 2)

2. Hydraulic Seismic Restraints

The installation of hydraulic seismic restraints has been completed. The final checkout and correction of identified defects, was incomplete. This item remains unresolved. (Details, Paragraph 3)

3. Containment Sample Line Penetrations

The licensee plans to postpone the modification of the sample line penetration until an outage following plant startup. This item remains unresolved. (Details, Paragraph 4).

4. Electrical Penetration Seals and Fire Stops

The installation of electrical penetration seals and fire stops has been completed. The installation was considered acceptable by the inspector. This item is resolved. (Details, Paragraph 5).

5. Steam Generator Cladding Repair Program

The Division of Reactor Licensing has requested additional information regarding fatigue evaluation and cladding surface examination. This item is unresolved pending acceptance by the DRL of the licensee's response on this subject. (Details, Para 6).

6. Pre-Service Inspection Documentation

The pre-service inspection program has been completed, and the detailed documentation was at the site. This item remains unresolved pending a review of the data. (Details, Paragraph 7)

Management Interview

At the conclusion of the inspection on November 14, 1975, the inspector held a meeting at the site with the following personnel to discuss the inspection findings:

Persons Present

Consolidated Edison Company of New York, Inc.

Mr. G. Beer, Director, Quality Assurance  
Mr. H. W. Cairns, Supervising Construction Inspector  
Mr. W. A. Josiger, Test Engineer, Unit 3  
Mr. A. D. Kohler, Jr., Resident Construction Manager  
Mr. J. Makepeace, Director Technical Engineering, Nuclear Power Generation  
Mr. D. D. Milano, Field Engineer  
Mr. V. M. Perry, Jr., Superintendent Unit 3 Construction  
Mr. S. Zulla, Operations Engineer, Unit 3

WEDCO Corporation

Mr. S. R. Buckingham, Reliability Manager

The following items were discussed, and the inspector's findings were acknowledged by the licensee:

A. Purpose of the Inspection

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

B. 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)

C. Readiness of Plant for Fuel Loading

The inspector stated that he had examined the plant area from the standpoint of readiness for operations, and had found that considerable progress had been made since the last inspection. The licensee stated that cleanup work was continuing, especially in the electrical cable area.

## DETAILS

### 1. Persons Contacted

#### Consolidated Edison Company of New York, Inc.

Mr. G. Beer, Director, Quality Assurance (HQ)  
Mr. H. W. Cairns, Supervising Construction Inspector  
Mr. J. P. Deane, NDE Specialist  
Mr. E. Erickson, Construction Inspector  
Mr. T. J. Houlihan, Supervising Construction Inspector  
Mr. W. A. Josiger, Test Engineer, Unit 3  
Mr. A. D. Kohler, Jr., Resident Construction Manager  
Mr. J. H. Lomm, Quality Assurance Engineer  
Mr. J. Makepeace, Director Technical Engineering, Nuclear Power Generation  
Mr. D. D. Milano, Field Engineer  
Mr. V. M. Perry, Jr., Superintendent Unit 3 Construction  
Dr. M. S. Silberstein, General Manager (HQ)  
Mr. P. B. Upson, Quality Assurance Engineer  
Mr. S. Zulla, Operations Engineer, Unit 3

#### WEDCO Corporation

Mr. S. R. Buckingham, Reliability Manager  
Mr. B. J. Lefebvre, Senior Engineer, Nuclear Service Division  
Mr. P. L. Ruddle, Manager, Inspection Services, Nuclear Service Division

### 2. Emergency Diesel Generators-Lubrication System Piping

Reference IE Inspection Report No. 50-286/75-27, Details, Paragraph 2, which described an emergency generator failing to start. The lubrication system piping error had been corrected on both diesels. No bearing damage was found. The diesel tests were conducted without incident. This item is unresolved pending receipt and review of the final construction deficiency reports.

### 3. Hydraulic Seismic Restraints

Reference IE Inspection Report No. 50-286/75-27, Details, Paragraph 4, which described the status of the hydraulic seismic restraint installation and checkout. The licensee has since performed audits on additional hydraulic seismic restraints, and additional discrepancies were identified. Several restraints remained to be inspected by the licensee, and the defects identified had not been corrected.

The inspector examined the licensee's audit reports which identified the restraint number and the associated line number. No comprehensive tabulation was available to the inspector by which defective restraints could be related to line size, location, or system involved. The licensee has stated the following in a November 12, 1975 letter to the Division of Reactor Licensing, "All seismic restraints are in place. Correction of punch list items and final inspection of the hydraulic restraints will be completed by heatup. These restraints are not required to be functional prior to the thermal expansions associated with heatup after fuel loading."

This item remains unresolved pending the Division of Reactor Licensing's response as to the acceptability of the licensee's position on this matter.

4. Containment Sample Line Penetration

Reference IE Inspection Report No. 50-285/75-27, Details, Paragraph 5, which described the design change in the containment sample line line penetration. The licensee has stated the following in a November 12, 1975 letter to the Division of Reactor Licensing, "Preliminary re-design has been completed of the sample line penetration to improve its reliability. Modification in accordance with the revised design will be completed during the first convenient outage following power operation but not later than first refueling. Until the modification is completed, administrative controls will be instituted to insure that the sample lines are kept at temperatures such that the delta-T between any two sample lines is less than the maximum design delta-T design limit of 100°F. Even if a failure were to occur, the lines are of such small size that the capacity of the charging system is more than adequate to compensate for the potential leakage."

This item remains unresolved pending the Division of Reactor Licensing's response as to the acceptability of the licensee's position on this matter.

5. Electrical Penetration Seals and Fire Stops

Reference IE Inspection Report Nos. 50-286/75-20, Details, Paragraphs 2b, 3, 4; and 50-286/75-27, Details, Paragraph 6.

The licensee had reported that the installation and first checkout of all safety-related electrical penetration seals and fire stops had been completed. The inspector examined the installation in each area for conformance to the requirements. The previously-reported instances of mastic shrinkage had been corrected.

This item is resolved.

6. Steam Generator Cladding Repair Program

Reference IE Inspection Report No. 50-286/75-27, Details, Paragraph 7.

At this inspection the inspector found that the manhole covers had been installed on the four steam generators, and all equipment associated with the cladding repair and NDE program had been removed.

In a November 5, 1975, letter to the licensee, the Division of Reactor Licensing stated that additional information regarding fatigue evaluation and cladding surface examination would be required. The licensee responded to this request in a November 14, 1975, letter to the Division of Reactor Licensing.

This item remains unresolved pending the DRL's acceptance of the licensee's response.

7. Pre-Service Inspection Documentation

The inspector examined briefly the pre-service inspection documentation which had been compiled by Westinghouse at the site.

The documentation included:

- a. "Westinghouse Nuclear Service In-Service Inspection Report, November 1974." which included program summary, certification results, procedures and data on all piping subject to in-service inspection.
- b. "Westinghouse Pre-Service and In-Service Inspection Manual-Ultrasonic Equipment" March 21, 1972, which included certifications of Levels I and II test personnel.
- c. "Westinghouse Pre-Service Inspection Report-Reactor Vessel Examination at Indian Point 3," which included inspection program summary, calibration records, material and personnel certification.
- d. "Westinghouse Pre-Service Inspection Report-Pressurizer, Pressurizer Nozzle, and Safe Ends," July 7, 1971.

The inspector stated that this documentation would be examined in-depth at a later date. The licensee requested that he be given prior notification of the inspection as it was planned to bind this documentation at Westinghouse-Pittsburgh in the near future. The inspector agreed to this notification. This item remains unresolved.