

U. S. ATOMIC ENERGY COMMISSION  
DIRECTORATE OF REGULATORY OPERATIONS

REGION I

RO Inspection Report No.: 50-286/72-04

Docket No.: 50-286

Licensee: Consolidated Edison Company  
Indian Point 3  
Attention: Mr. W. J. Cahill, Jr.  
4 Irving Place  
New York, New York 10003

License No.: CPPR-62

Priority: -

Category: A

Location: Buchanan, New York

Type of Licensee: PWR 1050 MWe (Westinghouse)

Type of Inspection: Routine, Unannounced

Dates of Inspection: October 26, 1972

Dates of Previous Inspection: August 30, 31, September 1, 1972

Principal Inspector: *J. Allentuck*  
J. Allentuck, Reactor Inspector

Nov 2 1972  
Date

Accompanying Inspectors: None

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date

Other Accompanying Personnel: None

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

11/6/72  
Date

8111190825 721106  
PDR ADOCK 05000286  
PDR

## SUMMARY OF FINDINGS

### Enforcement Action

The degree of cleanliness of the interior of the reactor vessel failed to conform to the requirements of Westinghouse Process Specification 597760. (Paragraph 2 of Report Details)

### Licensee Action on Previously Identified Enforcement Items

Not applicable.

### Design Changes

None

### Unusual Occurrences

None

### Other Significant Findings

#### A. Current Findings

##### 1. Status of Construction

The licensee reported that the overall status of completion of construction was 73%.

##### 2. Segregation of Nonconforming Materials

The inspector observed that nonconforming materials were adequately segregated from materials for use. (Paragraph 6 of Report Details)

##### 3. Construction Log Books

The inspector examined several log books of approximately 18 maintained on the site. They appeared to be satisfactory in scope and form. (Paragraph 7 of Report Details)

#### B. Status of Previously Reported Unresolved Items

##### 1. Compatibility of Shipping and Receiving Documents

A complete reinspection of piping materials for 015-07 and 015-06 for which it had been reported that shipping and receiving documents

were not in agreement had been performed. This matter is now considered resolved. (Paragraph 3 of Report Details)

2. Marking of Cable Tray 06FQA

Cable tray 06FQA which had been previously reported as being improperly marked has been correctly renumbered. This matter is now considered resolved. (Paragraph 4 of Report Details)

3. Membranes in Storage Tanks

The licensee has adopted in-service inspection requirements for membranes in water storage tanks. This matter is now considered resolved. (Paragraph 5 of Report Details)

4. Documentation of Tests for Cable Within Containment

Documentation of tests on cable for use within the containment has not yet been completed. This matter is considered unresolved.

Management Interview

An exit interview was conducted at the site with the following individuals:

Con Ed

Mr. A. Kohler, Jr., Resident Construction Manager  
Mr. G. Coulbourn, Jr., Superintendent, IP-3  
Mr. L. Daley, QA Engineer  
Mr. R. E. Hayman, QA Manager for Operations

WEDCO

Mr. W. Diebler, Manager, QC

Items discussed are summarized below:

- A. The inspector stated that the condition of cleanliness of the interior of the reactor vessel failed to conform to the requirements of Westinghouse Process Specification 597760. (Paragraph 2 of Report Details)
- B. The inspector stated that the previously identified item relative to compatibility of shipping and receiving documents for certain piping materials was resolved on the basis of reinspection of materials received. (Paragraph 3 of Report Details)

- C. The inspector stated that the previously identified improper marking of Cable Tray 06QFA had been corrected. This matter is considered resolved. (Paragraph 4 of Report Details)
- D. The inspector stated that the previously identified lack of in-service inspection requirements for membranes in storage tanks had been corrected by the adoption of such requirements. This matter is considered resolved. (Paragraph 5 of Report Details)
- E. The inspector stated that since documentation of test results for cable inside the containment had not been completed this matter would continue as an unresolved item.
- F. The inspector stated that he inspected locations where nonconforming materials are held and he had no further questions on this matter. (Paragraph 6 of Report Details)
- G. The inspector stated that he had examined several log books of a number maintained on the site and that they appeared satisfactory in scope and form. (Paragraph 7 of Report Details)

## DETAILS

### 1. Persons Contacted

#### Con Ed

Mr. A. Kohler, Jr., Resident Construction Manager  
Mr. G. Coulbourn, Jr., Superintendent, IP-3  
Mr. R. E. Hayman, Manager, QA Operations  
Mr. L. Daley, QA Engineer  
Mr. J. Deane, QA Engineer (site)  
Mr. M. Connolly, QA Inspector (concrete)

#### WEDCO

Mr. M. Snow, Manager, Reliability  
Mr. W. Diebler, Manager, QC  
Mr. V. Montoya, Electrical Designer

### 2. Cleanliness of the Reactor Vessel

The inspector observed traces of fluid runs over much of the perimeter of the upper portion of the reactor vessel. At the time of the inspection, work in the reactor vessel in connection with cladding the nozzle transition sections was in progress. The fluid runs were not associated with the work in progress. The nature of the fluid was unknown. The report dated October 26, 1972 of the WEDCO inspector assigned to check cleanliness in the vessel did not indicate an observation of these fluid runs. The report of the same inspector dated September 28, 1972 indicated that fluid runs in the vessel were observed on that date and that they would be cleaned. The succeeding report dated October 3, 1972 indicated no abnormal observation in the reactor vessel. WEDCO stated that the runs observed on September 28 had been cleaned.

### 3. Compatability of Shipping and Receiving Documents

The licensee determined that the apparent discrepancy arose from the fact that a receiving document was inadvertently discarded. The matter was resolved by a complete reinspection of all piping materials involved in the shipment in question and which had not previously been returned to the vendor on the basis of the initial receiving inspection.

### 4. Marking of Cable Tray 06QFA

The inspector reviewed inspection records signed by the WEDCO

QC inspectors, indicating that the proper markings had been observed on Cable Tray 06QFA. The inspection was performed on September 21, 1972.

5. Membrane in Storage Tank

The licensee had adopted measures for in-service inspection of diaphragms in storage tanks which include periodic analysis of the water in the tanks to detect the presence of oxygen as well as twice a year observation of the diaphragm from above to assure that it is above the surface of the water. These measures were established on the basis of consultation with WEDCO and the manufacturer.

6. Segregation of Nonconforming Materials

The inspector observed a fenced area in which was located a locked shed. These enclosures were used as holding areas for nonconforming non-cable materials. (The fence had been breached at the time of inspection to accommodate non-power plant construction activities.)

Nonconforming cable materials properly segregated and marked with hold tags were located in the warehouse which also contained non-cable materials which had been released for construction.

7. Construction Log Books

The inspector examined an Electrical Log Book and a Mechanical Log Book maintained by Con Edison. The initial entry in both was October 10, 1972 and the concluding entry was October 26, 1972. Entries included the date, the area inspected, the purpose of the inspection, comments and the name of the inspector. An Administrative Log Book is also maintained which the inspector did not examine during this inspection.

WEDCO QC maintains 15 log books covering various aspects of construction.

The inspector examined log books covering nonconformance reports, quality control releases, and reinforcing steel mechanical property reports. Initial and final entries for the above items were as follows:

- a. Nonconformance report log - 12-15-69, 10-25-72
- b. Quality Control release log - 4-16-70, 10-26-72
- c. Reinforcing steel mechanical property log - 7-1-70, 5-17-72

Item a. contained NCR's as well as an index indicating status of NCR's. Item b. contained Quality Control Release numbers issued to inspectors at vendor facilities prior to release for shipment. Item c. contained mill certifications as well as user test data reports on randomly selected rebar material.

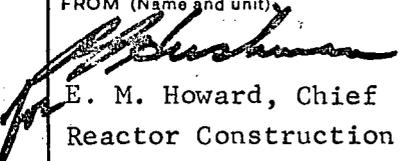
**MEMO ROUTE SLIP**

Form AEC-93 (Rev. May 14, 1947) AECM 0240

See me about this.  
Note and return.

For concurrence.  
For signature.

For action.  
For information.

TO (Name and unit) Chief, Reactor Constr Br, HQ RO:HQ (4) Directorate of Licensing, HQ (4) DR Central Files	INITIALS  DATE HQ (4)	REMARKS CONSOLIDATED EDISON COMPANY (INDIAN POINT 3) RO INSPECTION REPORT NO. 50-286/72-04
TO (Name and unit) PDR LPDR NSIC DTIE State of New York	INITIALS  DATE	REMARKS Subject inspection report is forwarded for your information.
TO (Name and unit)	INITIALS  DATE	REMARKS
FROM (Name and unit)  E. M. Howard, Chief Reactor Construction Br	REMARKS	REMARKS
PHONE NO. 3450	DATE 11/8/72	REMARKS

USE OTHER SIDE FOR ADDITIONAL REMARKS

GPO : 1968 O-294-619

*Raw*