

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

Inspection Report No: 50-286/75-25

Docket No: 50-286

Licensee: Consolidated Edison Company of New York, Inc.

License No: CPPR-62

4 Irving Place

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

New York, New York

Category: B

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

Location: Indian Point 3, Buchanan, New York

Capacity of Licensee: PWR 965 MWe (W)

Type of Inspection: Routine Health Physics

Dates of Inspection: October 20-21, 1975

Dates of Previous Inspection: September 25-26, 1975

Reporting Inspector: *R. J. Meyer*  
R. J. Meyer, Radiation Specialist

10/30/75  
DATE

Accompanying Inspectors: None

DATE

DATE

DATE

Other Accompanying Personnel: None

DATE

Reviewed By: *P. J. Knapp*  
P. J. Knapp, Chief, Facilities Radiological  
Protection Section

10/31/75  
DATE

8111030609 751031  
PDR ADOCK 05000286  
Q PDR

SUMMARY OF FINDINGS

Enforcement Action

A. Items of Noncompliance

1. Violations

None

2. Infractions

None

3. Deficiencies

Failure to post the Fuel Storage Area as a Radioactive Materials Area. (Details, Paragraphs 2a-b)

B. Deviations

None

Licensee Action on Previously Identified Enforcement Action

None applicable

Design Changes

None applicable

Unusual Occurrences

None

Other Significant Findings

A. Current Findings

1. General

The inspection was limited to a review of items and areas that remained unresolved during the previous inspection because of incomplete installation and/or preoperational testing. Inspection findings showed that certain of the items have not yet been completed.

2. Unresolved Items

See Item B below

3. Infractions and Deficiencies Identified by Licensee

a. Infractions

None

b. Deficiencies

None

B. Status of Previously Reported Unresolved Items

(Items a-d reference Inspection Report 50-286/75-14)

(Item e reference Inspection Report 50-286/75-09)

- a. Radiation Monitor Calibrations - All monitors have been calibrated with the exception of the Plant Vent Gaseous Monitor and Gas Decay Tank Discharge Monitor. The matter remains unresolved pending completion of those calibrations. (Details, Paragraph 3 a-b)
- b. Stack Monitor and Sampling System - Installation has been completed, however, the sampling lines have numerous 90 degree and small radius bends. Sampling lines, as installed, remains unresolved. (Details, Paragraphs 4 a-b)
- c. Preoperational Testing - Testing of radwaste, ventilation and exhaust systems remains incomplete. The matter remains unresolved pending completion. (Details, Paragraph 5)
- d. Filter Testing - Iodine removal efficiency tests have been completed and is considered resolved. In-place leak testing has not been completed. This matter remains unresolved. (Details, Paragraphs 6 a-b)
- e. Gas Sampling Areas - The inspector verified that a gas sampling hood has been installed at the Unit 2 sampling station and that sample lines at the Unit 3 station have been relocated inside the sampling hood. Pressure reducing valves have also been installed. This matter is considered resolved.

Management Interview

The following individuals attended the management interview held at the conclusion of the inspection on October 21, 1975.

W. Stein, Manager, Nuclear Power Generation Department  
J. Makepeace, Technical Operations Director  
A. Cheifetz, Director, Radiation Safety  
J. Kelly, Station Chemistry Director  
T. Law, Quality Assurance Manager  
K. O'Connor, Engineer  
M. Byster, Quality Assurance Engineer

The following subjects ere discussed:

- A. The inspector described the apparent item of noncompliance identified under Enforcement Action in the Summary of Findings section of this report. (Details, Paragraphs 2 a-b)
- B. The inspector discussed his findings with respect to previously identified unresolved items noted below:
  - 1. Radiation monitor calibration .(Details, Paragraphs 3 a-b)
  - 2. Stack sampling system. (Details, Paragraphs 4 a-b)
  - 3. Preoperational testing of radwaste, ventilation and exhaust systems. (Details, Paragraph 5)
  - 4. Filter tests. (Details, Paragraphs 6 a-b)

## DETAILS

### 1. Persons Contacted

A. Cheifetz, Director Radiation Safety  
J. Kelly, Station Chemistry Director  
S. Zulla, Acting Operations Engineer, Unit 3  
G. Liebler, Radiological Engineer  
J. Cullen, Health Physics Supervisor  
E. Imbimbo, Health Physics Supervisor  
K. O'Connor, Test Engineer

### 2. Fuel Storage Area

- a. On October 21, 1975 the inspector noted that the access to the fuel storage area at the 95 foot elevation was not posted as a radioactive materials area as required by 10 CFR 20.203(e)(2). The inspector further determined that signs were not posted inside the area as well. The inspector identified this as an item of noncompliance.
- b. With respect to the above, the inspector confirmed that posting had been accomplished prior to the conclusion of the inspection. The licensee representatives stated that they would increase their surveillance to assure that the sign would remain affixed.

### 3. Radiation Monitor Calibrations

- a. The inspector reviewed final installation and calibration data for the radiation monitoring systems. The review showed that equipment and capabilities are consistent with FSAR descriptions, Regulatory Guide 1.21, 10 CFR Part 20, and the proposed Technical Specifications. The review included visual observations, procedure review and data review specific to the areas noted below:
  - (1) Fixed Area Monitors
    - (a) Installtions complete and in service
    - (b) Calibrations complete
    - (c) Locations as described in FSAR
  - (2) Liquid and Gaseous Monitors
    - (a) Installations complete
    - (b) Calibrations (see paragraph b below)
    - (c) Technical Specification requirements
    - (d) Fail safe features provided
    - (e) Provides automatic termination of discharges

- b. With respect to calibration it was noted that the Plant Vent Gaseous Monitor and the Gas Decay Tank Discharge Monitor have not been completed. The licensee stated that calibrations have been scheduled and would be completed prior to fuel load. The inspector stated that calibration of the two monitors was considered unresolved pending completion.

4. Sampling Systems

- a. The inspector's review of the Plant-Vent and Containment Sampling Systems showed that, as installed, the capability to draw a representative sample is suspect. The inspector counted thirteen short radius and/or 90 degree bends and three threaded coupling joints in the sampling line from the plant vent to the sample collection and monitoring point. The inspector counted eight 90 degree bends in the containment sampling line.
- b. Licensee representatives stated that this problem had been recognized and communications had been made to the contractor. The licensee stated that followup action to resolve this problem would be escalated. The inspector stated that this matter remained unresolved pending completion of corrective action.

5. Preoperational Tests

The inspector determined from discussions with licensee representatives that preoperational testing of the liquid and gaseous radwaste and ventilation and exhaust systems have not been completed. The licensee confirmed this finding. The inspector stated that this matter remained unresolved pending completion of testing.

6. Filter Testing

- a. The inspector reviewed vendor certifications and iodine removal efficiency data for the charcoal media installed, or to be installed, in the filtering systems. The test reports showed that tests were performed and removal efficiencies determined in accordance with the proposed Technical Specification for initial testing. This matter is considered resolved.
- b. With respect to in-place leak testing (DOP-Freon), the inspector determined that the Control Room, Fuel Storage and Containment Systems have been tested, however, test results data were not yet

available for review. The PAB Exhaust Filter System remains incomplete, with filters not yet installed. The inspector stated that in-place leak testing remained Unresolved pending completion of the testing and data review.