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U.S. NUCLEAR REGULATORY COMMISSION

OFFICE OF INSPECTION AND ENFORCEMENT

REGION I

IE Inspection Report No: 50-286/75-14 Docket No: 50-286

Licensee: Consolidated Edison Company of New York, Inc. License No: CPPR-62

4 Irving Place Priority:

New York, New York 10003 Category: B

Location: Indian Point 3, Buchanan, New York Safeguards Group:

Type of Licensee: PWR 965 MWe (W)

Type of Inspection: Routine, Health Physics & Chemistry

Dates of Inspection: May 20 and 21, 1975

Dates of Previous Inspection: 5/6-8/75

Reporting Inspector: R. J. Meyer 6/2/75
Date

R. J. Meyer, Radiation Specialist

Accompanying Inspectors: None
Date

Date

Date

Date

Date

Other Accompanying Personnel: None
Date

Reviewed By: P. J. Knapp 6/2/75
Date

P. J. Knapp, Chief, Facilities Radiological Protection Section

SUMMARY OF FINDINGS

Enforcement Action

A. Items of Noncompliance

1. Violations

None

2. Infractions

None

3. Deficiencies

None

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 a review of program status relative to the areas of health physics and chemistry. Inspection findings showed that the health physics and chemistry organization and program existing for Units 1 and 2 are being integrated to

include Unit 3. Procedures are ready for implementation. Preoperational testing of radwaste, ventilation and exhaust systems is incomplete. Calibrations on radiation monitors remain to be done.

2. Acceptable Areas (No items of noncompliance noted)

   a. Organization. (Details, Paragraph 2)

   b. Procedures. (Details, Paragraph 3)

3. Unresolved Items

   The items noted below remain unresolved in that installation and/or preoperational testing has not been completed. (Details, Paragraphs 4, 6 and 7)

   a. Radiation monitor systems not calibrated.

   b. Stack monitor sampling system not installed.

   c. Preoperational testing of radwaste, ventilation and exhaust systems not completed.

   d. Filter testing not completed.

4. Infractions and Deficiencies Identified by Licensee

   a. Infractions

      None

   b. Deficiencies

      None

B. Status of Previously Reported Unresolved Items

   None applicable

Management Interview

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

Attendees

W. Stein, Manager, Nuclear Power Generation Department
J. Makepeace, Technical Engineering Director
S. Zulla, Acting Operations Engineer, Unit 3
J. Kelly, Station Chemistry Director
G. Liebler, Radiation Safety
R. Hayman, Quality Assurance

The following subjects were discussed:

A. The inspector described the scope of the inspection and stated that no items of noncompliance had been noted relative to the areas inspected.

B. The inspector discussed the items noted below and stated that they appeared consistent with the FSAR and other requirements.

1. Organization. (Details, Paragraph 2)

2. Procedures. (Details, Paragraph 3)

C. The inspector discussed the scheduling and status of preoperational testing for the systems noted below. (Details, Paragraphs 4, 6 and 7)

1. Radiation monitor calibration (Area and Process).

2. Preop testing of systems (Radwaste, Ventilation and Exhaust).

3. Stack monitor sampling system.

4. Filter testing.

DETAILS

1. Persons Contacted

A. Cheifetz, Director Radiation Safety
G. Liebler, Radiation Safety
J. Kelly, Station Chemistry Director
S. Zulla, Acting Operations Engineer, Unit 3
T. Uhl, Staff Engineer
J. Curry, Staff Engineer

2. Organization - Health Physics and Chemistry

a. The inspector reviewed the existing organization with respect to integrating Unit 3 to the operational phase. As evidenced by licensee statements, organizational charts and Administrative Directives, the integration is continuing on schedule. The inspector's review included the areas noted below:

(1) Changes in personnel.
(2) Qualifications of new personnel.
(3) Organization operating.

b. The inspector's review showed that the organization is consistent with FSAR descriptions and with Section C.1.c of Regulatory Guide 8.10.

3. Procedures

The inspector's review showed that procedures currently being implemented at Units 1 and 2 have been expanded and/or revised to provide for operation of Unit 3. Procedures were reviewed and found to be consistent with the following areas:

a. NRC Regulations.

b. Technical Specifications (Proposed).

c. Regulatory Guides.

d. FSAR.

4. Instruments and Equipment

a. Portable and fixed area radiation monitoring instruments, personnel dosimeter and other supporting equipment inventories and availability were reviewed and found to be consistent with FSAR descriptions and Regulatory Guides 8.3 and 8.4 as noted below:

(1) Portable Instruments

(a) Available instruments.
(b) Calibration schedules.
(c) Personnel pocket dosimeters and film badges.
(d) Film badge services.

(2) Fixed Area Monitors

(a) Installation.
(b) Calibration.

b. With respect to Item 4.a.(2)(b) area monitor calibration remains incomplete. It was noted that the area monitor located in the fuel storage area had been calibrated and was in service.

5. Facilities

The inspector's review, which included visual observations showed the facility to be in general agreement with FSAR descriptions. It was noted that design features include shielding and equipment locations in general keeping with Regulatory Guide 8.10 and consistent with 10 CFR Part 20. The areas and items listed below were reviewed specific to the above:

a. General location of major processing equipment.

b. Waste processing systems.

c. Radioactive material storage areas.

d. Radiochemistry and health physics facilities.

e. Access control.

f. Ventilation and exhaust.

g. Monitoring and sampling system additions.

6. Liquid Waste Systems

a. The inspector's review showed the system to be in general accordance with FSAR descriptions and consistent with proposed Technical Specifications, Regulatory Guides 1.21, 10 CFR Part 20 and ALAP concepts. The review included visual observations, procedure review and discussion with licensee representatives specific to the areas noted below:

(1) Equipment and installation.

(2) Monitoring of normally contaminated or potentially contaminated streams.

(3) Unmonitored pathways (study is continuing to identify and provide monitoring and/or a sampling surveillance program).

(4) Liquid waste monitor installation-local and control room.

(a) Provides valve closure to terminate discharge (auto).
(b) Monitor is fail safe.
(c) T/S require monitor in service.
(d) Monitor calibration (not accomplished to date).

(5) Tank volumes have been verified.

(6) Pre-op testing (not accomplished to date).

b. With respect to items 6.a.(4).(d) and 6.a.(6) above, the inspector stated that these items were considered unresolved pending completion prior to fuel load. The licensee stated they were continuing their schedules to that end.

c. The inspector reviewed the surveillance type and frequencies for noncontaminated liquid systems that interface with contaminated systems. The licensee stated that an Engineering Request has been issued to review these systems with respect to monitoring needs. With respect to the Auxiliary Boiler System the licensee stated that a sampling and analysis program will be established until the engineering analysis is completed on a continuous monitor.

7. Gaseous Waste Systems

a. The inspector's review of gaseous waste, ventilation and exhaust systems showed them to be consistent with FSAR descriptions, ANSI 13.1-1969, ANSI 101.1-1972, Regulatory Guides 1.21, 1.52 and 8.10. The review included visual observations, procedure review and discussions with licensee representatives. The areas noted below were reviewed against the aforementioned criteria.

(1) Equipment and installation.

(2) Monitoring of normally contaminated and potentially contaminated exhaust streams.

(3) Unmonitored pathways.

(4) Gaseous monitor installations-local and control room (stack monitor not yet installed).

(5) Monitor calibrations (not accomplished).

(6) Stack sampling system design provides for isokinetic sampling (not yet installed).

(7) Line loss determinations scheduled when radioactivity is available.

(8) Filter systems have been installed (PAB system excepted) and in-place leak testing was in progress.

(9) Pre-op testing of the systems is not complete.

b. With respect to items 7.a.(5), (6), (8) and (9), the inspector stated that these items were considered unresolved pending test completion and results review prior to fuel load. Iodine removal efficiency test results were not yet available.