U. S. ATOMIC ENERGY COMMISSION

DIRECTORATE OF REGULATORY OPERATIONS

REGION I

RO Inspection Report No.: 50-286/73-08 Docket No.: 50-286

Licensee: Consolidated Edison Company License No.: CPPR-62

4 Irving Place Priority:

New York, New York Category: B

Location: Indian Point 3, Buchanan, New York

Type of Licensee: PWR 1050 MWe (Westinghouse)

Type of Inspection: Routine

Dates of Inspection: August 28-30, 1973

Dates of Previous Inspection: July 23-27, 1973

Reporting Inspector: A. N. Fasano, Reactor Inspector — 9/17/73 DATE

DATE

Accompanying Inspectors: NONE

DATE

DATE

Other Accompanying Personnel: NONE

DATE

Reviewed By: E. J. Brunner, Chief, Facility Test & Startup Br. — 9/14/73 DATE

SUMMARY OF FINDINGS

Enforcement Action

None

Licensee Action on Previously Identified Enforcement Action

None

Design Changes

Not Inspected

Unusual Occurrences

None

Other Significant Findings

A. Current Findings

1. Preoperational Test Program

The program includes both functional and operational testing of equipment and systems. The list of tests to be performed was reviewed. It appeared that some areas noted in the FSAR were not covered in the list. These tests were discussed with the Licensee. (Details, Paragraph 2)

The following reflects the Licensee's estimate of current status for functional testing:

Procedures written	15%
Procedures approved	1%
Tests performed	0%

The licensee plans to begin preoperational testing by mid-September 1973. The initial tests will be on the inverters and the batteries.

2. Flush and Hydro Program

The flush and hydro procedures have all been written. The licensee's projected date for commencing the performance of procedures is October 1, 1973.

3. Core Loading, Post Loading, Low Power Testing and Power Escalation Program

There have been no procedures written for these areas. The current official date for core loading is August 1, 1974. This new date supersedes the old date of April 1974.

The FSAR listing of tests was reviewed with the Licensee. (Management Interview, Paragraph C)

4. Facility Procedures

The facility procedures required to operate unit 3 will be written and approved three months prior to core loading. The procedures will be available to the RO inspector at the Indian Point Site for review. Procedures will cover at least the following areas: Nuclear and Conventional Plant Operations, Surveillance, Chemistry, Maintenance, Instrumentation and Control, Quality Assurance, Health Physics, Radio Chemistry and Environmental. (Details, Paragraph 3)

5. Status Sequence Plan

This is an overall test program sequence chart. The plan is near completion by WEDCO and should be available for review by early September 1973.

Management Interview

A management interview at the Indian Point 3 Site was conducted with Mr. S. Cantone, Acting Chief Engineer, Indian Point 3 and Mr. D. Whittier, Test Engineer, Indian Point 3, on August 30, 1973.

The following items were discussed:

A. Scope and Findings of the Inspection

The licensee representatives were informed that there were no safety items or violations found during this inspection.

The inspector stated that a comparison was made between the listing of test procedures in the FSAR and the current listing of test procedures that are being prepared.

B. Preoperational Test Program

Reference was made to FSAR Table 13.1-1 for confirmation that all tests listed will be included in the overall program being developed.

The licensee representative agreed that all procedures listed, if not included in the content of already planned test procedures, will be written. (Details, Paragraph 2)

C. Startup Program

1. Shutdown from outside the control room
Reference was made to FSAR Supplement 11 question 13-5. The RO inspector stated that the licensee's answer in the FSAR states that a separate shutdown from outside control room test is not included in the startup program.

The RO inspector stated that a startup program, to be

considered adequate, requires the performance of shutdown from outside the control room with the reactor at power.

The licensee representative stated that their answer as stated in the FSAR remains fixed. He stated that the shutdown from outside the control room will be performed for IP-2. Also that they are prepared to demonstrate that unit 3 controls function identically as unit 2. This item remains open.

2. Loss of Offsite Power

The RO inspector stated that the answer to FSAR Question 13.5 indicates that testing of components will suffice as the loss of offsite power test.

The RO inspector stated that the program should include a loss of offsite power test.

The licensee said that the described simulated test as presented in the FSAR will demonstrate the ability to sustain the actual case. Also the risk presented by an actual test versus the value to be gained does not warrant the performance of the test.

This item remains open.

D. Preoperational Test Program

1. Flow test from accumulators

The RO inspector stated that appropriate testing of the accumulators will be expected.

The licensee stated that the accumulator test will be very similar to Unit 2 Test (No. 4.5.1 Rev 3). This would be essentially a timed flow test of the accumulators and they plan to conduct this test.

DETAILS

1. Persons Contacted

S. Cantone, Operations Engineer Unit 3
D. Whittier, Test Engineer Unit 3

2. Preoperational Test Program (FSAR Listing)

The following is the list of tests that do not appear as part of the program:

Voice Communication
Cold Hydrostatic
Charcoal Filter
Reactor Containment High Pressure
Hot Functional
Primary and Secondary System Safety and Relief Valves
Containment Air Sampling System
Spent Fuel Pit Cooling System
Turbine Steam Seal and Blowdown System

These tests are listed in the FSAR.

The licensee representative stated that plans are to perform all of these tests. Procedures will be written to cover these areas.

The list will be reviewed for these topics during subsequent inspections.

The RO inspector stated that the following items do not appear to be included for testing in the reviewed documents:

System Expansion and Restraint Tests
Boric Acid Injection Test
Leak Detection Tests
Reactor Component Handling Systems Tests

The licensee representative stated that these items will require further review prior to giving a position as to the plan for conducting these tests.

The RO inspector stated that these items will be reviewed during subsequent inspections.

The licensee stated that current plans are to perform the cold hydro test by the end of March and the hot functional test by the end of April, 1974.

3. Facility Procedures

The licensee stated that Administrative Directives have been developed. The AD's are control documents. Eighteen procedures are currently listed. Fifteen have been written and 3 remain to be finalized.

The licensee's current estimate is that there will be about 225 operating procedures written. To date 15 procedures have been completed and approved.

4. Control Rod Drop Tests

The licensee plans to review the need for choosing a rod for multiple drops and reserves making a commitment to a final position.

The RO inspector stated that in accordance with the RO Guide (proposed) it is expected that the slowest and fastest rod, determined during rod drop time measurements, will be dropped 10 additional times each. This item remains open.

5. Test Data Retention

The RO inspector requested information on the method to be used by the licensee for retaining of test data.

The licensee stated that procedural coverage of this area still remains to be developed. This item remains open.