APR 2 5 1983

Docket No. 50-286

Power Authority of the State of New York
Indian Point 3 Nuclear Power Plant
ATTN: Mr. J. C. Brons
Resident Manager
P. O. Box 215
Buchanan, New York 10511

Gentlemen:

Subject: Inspection No. 50-286/83-07

This refers to the routine inspection conducted by Messrs. Thomas J. Kenny and Lawrence W. Rossbach of this office on March 16, 1983 to April 15, 1983 at Indian Point Nuclear Generating Station, Unit 3, Buchanan, New York, of activities authorized by NRC License No. DPR-64, and to the discussions of our findings held by our inspector with yourself and other members of your staff at the conclusion of the inspection.

Areas examined during this inspection are described in the report enclosed with this letter. Within these areas, the inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observations by the inspector.

Within the scope of this inspection, no violations were observed.

In accordance with 10 CFR 2.790(a), a copy of this letter and the enclosure will be placed in the NRC Public Document Room unless you notify this office, by telephone, within ten days of the date of this letter and submit written application to withhold information contained therein within thirty days of the date of this letter. Such application must be consistent with the requirements of 2.790(b)(1). The telephone notification of your intent to request withholding, or any request for an extension of the 10 day period which you believe necessary, should be made to the Supervisor, Files, Mail and Records, USNRC Region I, at (215) 337-5223.

No reply to this letter is required. Your cooperation with us in this matter is appreciated.

Sincerely,

Original Signed By:
Edward H. Guexman

for Richard W. Starostecki, Director
Division of Project and
Resident Programs

Enclosure:
NRC Region I Inspection Report 50-286/83-07

OFFICIAL RECORD COPY

IE01

cc w/encl:
L. W. Sinclair, President and Chief Operating Officer
J. P. Bayne, Executive Vice President - Nuclear Generation
C. M. Pratt, Assistant General Counsel
A. Klausmann, Vice President - Quality Assurance
D. Halama, Quality Assurance Superintendent
G. M. Wilverding, Chairman, Safety Review Committee
M. Blatt, Acting Director, Regulatory Affairs (Con Ed)
NRC Licensing Project Manager
Dept. of Public Service, State of New York
Public Document Room (PDR)
Local Public Document Room (LPDR)
Nuclear Safety Information Center (NSIC)
NRC Resident Inspector
State of New York

bcc w/encl:
Region I Docket Room (with concurrences)
Senior Operations Officer (w/o encls)
Section Chief, DPRP

OFFICE	DPRP	DPRP	DPRP				
SURNAME	Kenny	Kister	Greenman				
DATE	4/19/83	4/22/83	4/23/83				

U.S. NUCLEAR REGULATORY COMMISSION

REGION I

Report No. 50-286/83-07

Docket No. 50-286

License No. DPR-64 Priority -- Category C

Licensee: Power Authority of the State of New York
10 Columbus Circle
New York, New York 10019

Facility Name: Indian Point Nuclear Generating Station, Unit 3

Inspection at: Buchanan, New York

Inspection conducted: March 16, 1983 to April 15, 1983

Inspectors:

T. J. Kenny, Senior Resident Inspector — date 4/19/83

L. W. Rossbach, Resident Inspector — date 4/19/83

Approved by:

H. Kister, Chief, Reactor Project Section IC, DPRP — date 4/22/83

Inspection Summary:
Inspections on March 16, 1983 to April 15, 1983 (Inspection Report 50-286/83-07)
Areas Inspected: Routine onsite regular and backshift inspections of plant operations including shift logs and records; plant tour; surveillance; maintenance; review of monthly operating report; design changes and modifications; replacement of station superintendent; update of steam generator repair work; and fire protection penetrations. The inspection involved 111 inspector hours by the resident inspector.
Results: Of the eight areas inspected, no violations were identified.

DETAILS

1. Persons Contacted

M. Albright, Instrument and Control Superintendent
J. Brons, Resident Manager
J. Dube, Security and Safety Supervisor
D. Halama, Q. A. Superintendent
W. Josiger, Superintendent of Power
J. Perrotta, Radiological and Environmental Services Superintendent
S. Munoz, Technical Services Supervisor
E. Tagliamonti, Operations Superintendent
J. Vignola, Maintenance Superintendent

The inspector also interviewed and observed other licensee employees including members of the operations, health physics, technical services, maintenance, and security staffs.

2. Plant Tour

A. Normal and backshift inspections were conducted during routine entries into the protected area of the plant, including the control room, PAB, fuel building, and containment. During the inspection activities, discussions were held with operators, technicians (HP & I&C), mechanics, foremen, supervisors, and plant management. The purpose of the inspection was to affirm the licensee's commitments and compliance with 10 CFR, Technical Specifications, and Administrative Procedures. Particular attention was directed in the following areas:

- Instrumentation and recorder traces for abnormalities;
- Proper control room and shift manning;
- Proper use of procedures;
- Review of logs to obtain plant conditions;
- Verification of proper radiologically controlled areas and access points;
- Verification of surveillance testing for timely completion;
- Verification of safety-related tagouts;
- Plant housekeeping and cleanliness;

- That protected area access controls were in conformance with the security plan, including sufficient guards to perform duties, and that selected gates and doors were closed and locked;

- Selected liquid and gaseous samples to verify conformance with regulatory requirements prior to release; and,

- Boric acid samples to confirm proper boric acid level for plant shutdown conditions.

B. During the inspection, the inspector reviewed the following procedures, documents, or evolutions:

- Radioactive Waste Release Permit (liquid & gaseous)
- Various shift turnover checklists
- Security Station Logs and Radio Checks
- Jumper Log
- Selected Operators' Logs
- Selected Tagouts
- Selected Radiation Exposure Authorization (REA's)

No violations were identified.

3. Surveillance

A. The inspector either directly observed the performance of or reviewed completed surveillance procedures to ascertain the following:

- That the instrumentation used was properly calibrated;

- That the redundant system or component was operable, where required;

- That properly approved procedures were used by qualified personnel;

- That the acceptance criteria were met;

- That the test data were accurate and complete;

- That proper reviews, by the licensee, had been conducted;

- That the results of the tests met Technical Specification requirements; and,

- That the testing was done within the required surveillance schedule.

The inspector reviewed the following tests:

- 3PT-W6 Hose House Inspection
- 3PT-R3A Recirculation Switches
- 3PT-R3B Timing Tests
- 3PT-R3D Station Blackout Test
- 3P-R40 Water Deluge System Test

No violations were identified.

4. Maintenance

A. The inspector selected completed maintenance activities listed below to ascertain the following:

- The activities did not violate a limiting condition for operation;
- That redundant components were operable;
- That equipment was tagged out in accordance with licensee approved procedures;
- That approved procedures, adequate to control the activity, were being used by qualified technicians;
- That Q/C hold points were observed, and that materials were properly certified;
- That radiological controls were proper and in accordance with licensee approved radiation exposure authorization; and,
- That the equipment was properly tested prior to return to service.

1) Installation of a new connector and plug into WCCPP racks 14 and 16. (Maintenance Work Request (MWR) 2910 and 2911)

2) The replacement of a valve operator for MOV 535 (MWR 535)

3) Replacement of an N^2 Valve #1616 (MWR 2809)

4) Replacement of a gasket in the containment flange cover (MWR 2936)

5) Repair of a leak in #34 Fan Cooler Unit Motor (MWR 2954)

6) Replacement of hoses to #31 Fan Cooler Unit Motor (MWR 2960)

No violations were identified.

B. Documents Reviewed for Major Maintenance Activities:

- ANSI N18.1-1971, ANSI N18.7-1976 - Selection and Training of Power Plant Personnel
- ANSI N45.2.1-1980 - Cleaning of Fluid Systems and Associated Components for Nuclear Power Plants
- AP-9 - Work Requests
- AP 10 - Clearances; Radiation Exposure Authorization; Operating Orders
- AP-10.1 - "Do Not Operate" Tagouts
- AP-22 - Conduct of Maintenance
- AP-22.1 - Maintenance Procedure Controls
- AP-22.2 - Maintenance Directives
- AP 27.3 - Fire Protection
- FP-12 - Cutting and Welding Procedure
- Various Work Permits
- Various Post Maintenance Tests

C. Inspector Findings:

1) The inspector reviewed the above listed documents to ascertain whether major maintenance activities scheduled during the refueling outage are being conducted by qualified personnel in accordance with approved procedures.

2) The inspector witnessed portions of the following major maintenance activities including post and pre-testing of the equipment:

   a. Replacement of Main Steam Bypass Valves (MS-55) on all four Main Steam Headers.

   b. Seismic Restraint (snubbers). Removal, Testing and Replacement.

3) The inspector verified that approved procedures were used by qualified personnel and that Quality Assurance involvement was initiated in the proper places in accordance with the station's Quality Assurance procedures and ANSI Standards listed above. The inspector also verified that flame and burning permits were issued and adhered to in accordance with approved station procedures. The inspector confirmed through a review of retesting documents, that the above listed repair activities were retested in accordance with the issued Post Maintenance Tests.

No violations were identified.

5. Review of Monthly Report

A. Monthly Operating Report

The Monthly Operating Report for February, 1983 was reviewed. The review included an examination of selected maintenance work requests, and an examination of significant occurrence reports to ascertain that the summary of operating experience was properly documented.

B. Findings:

The inspector verified through record reviews and observations of maintenance in progress that:

- The corrective action was adequate for resolution of the identified items; and,

- The operating report included the requirements of TS 6.9.1.6.

The inspector has no further questions relating to the report.

6. Design Changes and Modifications

A. Documents Reviewed:

- FSAR Chapters 6, 14
- ANSI B31.1 (1973)
- 10 CFR 50.59
- Administrative Procedure 12
- Technical Specifications
- MOD 81-03-055-FCU Modification Package, Test Procedures and Records
- MOD 80-03-076 MULT Modification Package
- MOD 83-03-002 IVSWS Modification Package
- MOD 81-03-068 ESS Modification Package
- MOD 80-03-081 WDS Modification Package

B. Inspector Findings:

The inspectors reviewed the above documents and verified that the design changes and modifications listed above were reviewed and approved, by the licensee, in accordance with 10 CFR 50.59. In their review, the inspectors also verified for the above design changes and modifications that:

- The changes were reviewed and approved in accordance with Technical Specifications, and that safety evaluations were made by the licensee;

- The changes were controlled by established procedures; and,

- The licensee conducted a review and evaluation of test results and the test results were within previously established acceptance criteria.

The inspector also observed portions of the installation and testing of two of the above-listed design changes and modifications to assure that the change activities and acceptance tests were conducted in accordance with the appropriate specifications, drawings and approved procedures.

The licensee is currently revising drawings to reflect as-built conditions. The inspectors will continue to follow this revision effort.

No violations were identified.

7. Replacement of Station Superintendent

A. Documents Reviewed:

- ANSI N18.1-1971 - Selection and Training of Nuclear Power Plant Personnel
- ANSI 3.1-1978 - Selection and Training of Nuclear Power Plant Personnel
- Resume for New Station Superintendent

B. Inspector Findings:

On April 15, 1983, the current Station Superintendent accepted a promotion to the Corporate Office in White Plains. A shift supervisor at the plant will be promoted to the Station Superintendent's position. The inspector reviewed the resume for the newly selected Superintendent and verified that his qualifications exceeded those standards for plant managers as set forth in the above-listed documents.

The inspector has no further questions at this time.

8. Update of Steam Generator Repair Work

Number 34 Steam Generator (SG) Girth Weld has been completed including post weld heat treatment, and magnetic particle inspection (MT) of the inside surface of the girth weld. After performing the MT, several small and shallow surface cracks were identified. The licensee has presented these findings including analytical justification for them to NRR and is awaiting NRR's decision.

Number 33 Steam Generator girth weld has been completed including post weld heat treatment, and is awaiting the MT inspection. Number 32 Steam Generator is being prepared for post weld heat treatment. There are six segments remaining to be completed in #32 steam generator. The area in which the through wall hole was discovered has been repaired successfully in #32 steam generator.

The licensee hopes to complete the steam generator girth weld repairs on all steam generators by April 22. Following the repairs, the licensee will perform hydrostatic tests of both the sleeves, that were installed in the cold leg, and the girth weld area. The inspectors intend to witness portions of these hydrostatic tests.

9. Fire Protection Penetrations

A. Documents Reviewed:

- Various letters from the Power Authority to the NRC
- Various letters from the NRC to the Power Authority
- PT Q15 Penetration Fire Penetration Check
- NRC Standard Review Plan
- Safety Evaluation Report on Fire Barriers to the Technical Specifications
- Technical Specifications

B. Inspector Findings:

The inspectors conducted an inspection of fire penetrations particularly in the control room floor - cable spreading room ceiling area. Several of these penetrations were being worked on at that time and were open. These openings were duly compensated for by a roving fire watch in accordance with Technical Specifications.

The results of the inspection indicated that all critical fire barriers, except the control room floor - cable spreading room ceiling, have Tech-Sil installed, which is a three-hour barrier. The control room floor - cable spreading room ceiling penetrations have flamemastic installed, which has not been proven to be a three hour fire barrier. The Standard Review Plan identifies these areas as a three-hour zone.

The Safety Evaluation Report, issued by NRR, specifically identifies the areas that have been addressed by the licensee, and have been upgraded to a three-hour zone, but does not identify the floor-ceiling as being a three-hour zone.

Discussions with the licensee with regard to this issue identified the following:

- The licensee thought he had met the conditions of the SER up to the present time.

- The licensee has the matter under review at this time.

- The licensee identified verbal discussions with NRR at the time these penetrations were being upgraded to three-hour penetrations (1978). They revealed that the only concern at the time was that the flamemastic could crack and separate, which would degrade the penetration. The licensee instituted a surveillance procedure, which is accomplished quarterly, to address the issue of cracking or separation of the flamemastic penetration. The inspector verified that the surveillance is being performed in the proper time sequence.

The matter of the one-hour penetrations is unresolved pending the licensee's review, and an inspection of the results of that review. (50-286/83-07-01)

No violations were identified.

10. Unresolved Item

An item about which more information is required to determine acceptability is considered unresolved. Paragraph 9 contains an unresolved item.

11. Exit Interview

At periodic intervals during the course of the inspection, meetings were held with senior facility management to discuss the inspection scope and findings. An exit interview was held on April 15, 1983 to discuss this report period.