

Docket No. 50-247

March 14, 1984

Mr. John D. O'Toole
Vice President
Nuclear Engineering and Quality Assurance
Consolidated Edison Company
of New York, Inc.
4 Irving Place
New York, New York 10003

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*See correction letter
of 4/9/84*

Dear Mr. O'Toole:

The Commission has issued the enclosed Amendment No. 89 to Facility Operating License No. DPR-26 for the Indian Point Nuclear Generating Unit No. 2. The amendment consists of changes to the Technical Specifications in response to your application transmitted by letter dated February 14, 1983.

The amendment makes administrative changes to the Technical Specifications by correcting the flow rate specified for the Fuel Storage Building Air Filtration System in Section 4.5.F and inserting the measured flow rate of the Post Accident Containment Venting System in Section 4.5.G.

A copy of the related Safety Evaluation is enclosed. A Notice of Issuance will be included in the Commission's next regular monthly Federal Register notice.

Sincerely,

ORIGINAL SIGNED BY

Roger L. Pedersen, Project Manager
Operating Reactors Branch #1
Division of Licensing

Enclosures:

1. Amendment No. 89 to DPR-26
2. Safety Evaluation

cc: w/enclosures
See next page

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

March 14, 1984

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Vice President
Nuclear Engineering and Quality Assurance
Consolidated Edison Company
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Sincerely,

A handwritten signature in cursive script, appearing to read "Roger L. Pedersen".

Roger L. Pedersen, Project Manager
Operating Reactors Branch #1
Division of Licensing

Enclosures:

1. Amendment No.89 to DPR-26
2. Safety Evaluation

cc: w/enclosures
See next page

Mr. John D. O'Toole
Consolidated Edison Company
of New York, Inc.

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.

DOCKET NO. 50-247

INDIAN POINT NUCLEAR GENERATING UNIT NO. 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 89
License No. DPR-26

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Consolidated Edison Company of New York, Inc. (the licensee) dated February 14, 1983, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
 - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. DPR-26 is hereby amended to read as follows:

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(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 89, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION


Steven A. Varga, Chief
Operating Reactors Branch #1
Division of Licensing

Attachment:
Changes to the Technical
Specifications

Date of Issuance: March 14, 1984

ATTACHMENT TO LICENSE AMENDMENT

AMENDMENT NO. 89 TO FACILITY OPERATING LICENSE NO. DPR-26

DOCKET NO. 50-247

Revise Appendix A as follows:

<u>Remove Pages</u>	<u>Insert Pages</u>
4.5-6	4.5-6
4.5-7	4.5-7
4.5-8	4.5-8
4.5-9	4.5-9

- c) Verifying that the system maintains the control room at a neutral or positive pressure relative to the outside atmosphere during system operation.
5. After each complete or partial replacement of a HEPA filter bank by verifying that the HEPA filter banks remove greater than or equal to 99% of the DOP when they are tested in-place in accordance with ANSI NS10-1975 while operating the system at ambient conditions and at a flow rate of 1840 cfm \pm 10%.
6. After each complete or partial replacement of a charcoal adsorber bank by verifying that the charcoal adsorbers remove greater than or equal to 99.95% of a halogenated hydrocarbon refrigerant test gas when they are tested in-place in accordance with ANSI NS10-1975 while operating the system at ambient conditions and at a flow rate of 1840 cfm \pm 10%.

Fuel Storage Building Air Filtration System

The fuel storage building air filtration system specified in Specification 3.8 shall be demonstrated operable:

1. At least once per 31 days by initiating, from the control room, flow through the HEPA filters and charcoal adsorbers and verifying that the system operates for at least 15 minutes.
2. At each refueling shutdown prior to refueling operations or (1) after any structural maintenance on the HEPA filter or charcoal adsorber housings, or (2) at any time painting, fire or chemical releases could alter filter integrity by:
 - a) Verifying a system flow rate at ambient conditions of 20,000 cfm \pm 10% during system operation when tested in accordance with ANSI NS10-1975.

- b) Verifying that the system satisfies the in-place testing acceptance criteria and uses the test procedures of Regulatory Positions C.5.a, C.5.c and C.5.d of Regulatory Guide 1.52, Revision 2, March 1978, at ambient conditions and at a flow rate of $\geq 20,000$ cfm $\pm 10\%$.
 - c) Verifying within 31 days after removal that a laboratory analysis of a representative carbon sample obtained in accordance with Regulatory Position C.6.b of Regulatory Guide 1.52, Revision 2, March 1978, meets the laboratory testing criteria of Regulatory Position C.6.a of Regulatory Guide 1.52, Revision 2, March 1978.
3. Prior to handling spent fuel which has decayed for less than 35 days verify within 31 days after removal that a laboratory analysis of a representative carbon sample obtained in accordance with Regulatory Position C.6.b of Regulatory Guide 1.52, Revision 2, March 1978, meets the laboratory testing criteria of Regulatory Position C.6.a of Regulatory Guide 1.52, Revision 2, March 1978. Such an analysis is good for 720 hours of charcoal adsorber operation. After 720 hours of operation, if spent fuel with a decay time of less than 35 days is still being handled, a new sample is required along with a new analysis.
 4. At each refueling shutdown prior to refueling operations by:
 - a) Verifying that the pressure drop across the combined HEPA filters and charcoal adsorber banks is less than 6 inches Water Gauge while operating the system at ambient conditions and at a flow rate of 20,000 cfm $\pm 10\%$.
 - b) Verifying that the system maintains the spent fuel storage pool area at a pressure less than that of the outside atmosphere during system operation.

5. After each complete or partial replacement of a HEPA filter bank by verifying that the HEPA filter banks remove greater than or equal to 99% of the DOP when they are tested in-place in accordance with ANSI NS10-1975 while operating the system at ambient conditions and at a flow rate of 20,000 cfm $\pm 10\%$.
6. After each complete or partial replacement of a charcoal adsorber bank by verifying that the charcoal adsorbers remove greater than or equal to 99.95% of a halogenated hydrocarbon refrigerant test gas when they are tested in-place in accordance with ANSI NS10-1975 while operating the system at ambient conditions and at a flow rate of 25,000 cfm $\pm 10\%$.

G. Post Accident Containment Venting System

The post accident containment venting system shall be demonstrated operable:

1. At least once per 18 months or (1) after any structural maintenance on the HEPA filter or charcoal adsorber housings, or (2) at any time painting, fire or chemical releases could alter filter integrity by:
 - a) Verifying no flow blockage by passing flow through the filter system.
 - b) Verifying that the system satisfies the in-place testing acceptance criteria and uses the test procedures of Regulatory Positions C.5.a, C.5.c and C.5.d of Regulatory Guide 1.52, Revision 2, March 1978, at ambient conditions and at a flow rate of 200 cfm $\pm 10\%$.
 - c) Verifying within 31 days after removal that a laboratory analysis of a representative carbon sample obtained in accordance with Regulatory Position C.6.b of Regulatory Guide 1.52, Revision 2,

March 1978, meets the laboratory testing criteria of Regulatory Position C.6.a of Regulatory Guide 1.52, Revision 2, March 1978.

2. After every 720 hours of charcoal adsorber operation by verifying within 31 days after removal that a laboratory analysis of a representative carbon sample obtained in accordance with Regulatory Position C.6.b of Regulatory Guide 1.52, Revision 2, March 1978, meets the laboratory testing criteria of Regulatory Position C.6.a of Regulatory Guide 1.52, Revision 2, March 1978.
3. At least once per 18 months by:
 - a) Verifying that the pressure drop across the combined HEPA filters and charcoal adsorber banks is less than 6 inches Water Gauge while operating the system at ambient conditions and at a flow rate of
 - b) Verifying that the system valves can be manually opened.
4. After each complete or partial replacement of a HEPA filter bank by verifying that the HEPA filter banks remove greater than or equal to 99% of the DOP when they are tested in-place in accordance with ANSI NS10-1975 while operating the system at ambient conditions and at a flow rate of 200 cfm +10%.
5. After each complete or partial replacement of a charcoal adsorber bank by verifying that the charcoal adsorbers remove greater than or equal to 99.95% of a halogenated hydrocarbon refrigerant test gas when they are tested in-place in accordance with ANSI NS10-1975 while operating the system at ambient conditions and at a flow rate of 200 cfm +10%.



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. 89 TO FACILITY OPERATING LICENSE NO. DPR-26
CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
INDIAN POINT NUCLEAR GENERATING UNIT NO. 2
DOCKET NO. 50-247

Introduction

By letter dated February 14, 1983, Consolidated Edison Company of New York, Inc. (Con. Ed.) proposed to amend its operating license DPR-26 for Indian Point, Unit No. 2 by submitting a revision to the Technical Specifications (TS). The basis for this revision was supplemented by letter dated August 1, 1983. The proposed change consist of a correction to an erroneous flow rate specified in Item F of the Surveillance Requirement (SR) 4.5 and the addition of a flow rate missing from Item G, in SR 4.5. These requirements were added to the TS by Amendment 77 (dated May 14, 1982).

The February 14, 1983 submittal by the licensee contained Technical Specification change requests on several issues. This SER addresses only one. The other issues will be the subject of separate licensing actions.

Discussion

Con Ed proposed to modify the flow rate specified in Items F.2, F.4 and F.5 of SR 4.5. In the present SR, the flow rate had been specified as 25,000 cfm $\pm 10\%$ for the fuel storage building air filtration system. This value had been selected when the engineered safety feature (ESF) air filtration unit technical specifications were initially implemented at Indian

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Point. The value was based upon some prior performance testing of the system. The system was designed for 20,000 cfm. Formal testing of the system after issuance of the technical specifications showed a flow rate of approximately 20,000 cfm. Therefore, the licensee has requested that in all portions of SR 4.5.F the flow rate of 25,000 cfm be replaced with 20,000 cfm.

At the time that the ESF filter technical specifications were issued for the post-accident containment venting system (Item G of SR 4.5), no flow rate could be specified for this system because no flow measurements had been taken and, due to the nature of the system's operation (see previous SER), the licensee committed to performing a measurement of this flow rate at the next refueling outage. The licensee has performed such measurements and has determined that the flow rate is 200 cfm. The licensee has proposed that this value be included in Items G.1, G.3, G.4, and G.5 of SR 4.5 and that the footnote, which indicated that the flow rate would be determined at the next refueling outage, be deleted.

Evaluation and Findings

The staff has reviewed the licensee request and has determined that their proposed changes are acceptable. The flow rate specified for the fuel storage building air filtration system should be at the maximum anticipated challenge flow. The licensee has indicated in their submittal that the 25,000 cfm was based upon some rough testing and that more detailed testing showed that the flow rate was closer to its design rate of 20,000 cfm. Thus, the staff considers this change in the technical specifications appropriate.

The inclusion of the flow rate for the post-accident containment venting system provides information in order to perform the test and is appropriate in order that the tests may be performed. Therefore, this proposed change to the technical specifications is also acceptable.

Summary

We have concluded that the proposed modifications to Items F and G of SR 4.5 to the Indian Point, Unit No. 2, Technical Specifications are acceptable.

Environmental Consideration

We have determined that the amendment does not authorize a change in effluent types or total amounts nor an increase in power level and will not result in any significant environmental impact. Having made this determination, we have further concluded that the amendment involves an action which is insignificant from the standpoint of environmental impact and, pursuant to 10 CFR §51.5(d)(4), that an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with the issuance of this amendment.

Conclusion

We have concluded, based on the considerations discussed above, that:

- (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner,
- and (2) such activities will be conducted in compliance with the

Commission's regulations and the issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public.

Dated: March 14, 1984

Principal Contributor:
Jack Hayes METB