



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

April 28, 1994

Docket No. 50-247

Mr. Stephen B. Bram
Vice President, Nuclear Power
Consolidated Edison Company
of New York, Inc.
Broadway and Bleakley Avenue
Buchanan, New York 10511

Dear Mr. Bram:

SUBJECT: ISSUANCE OF AMENDMENT FOR INDIAN POINT NUCLEAR GENERATING
UNIT NO. 2 (TAC NO. M88039)

The Commission has issued the enclosed Amendment No. 169 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 (TSs) in response to your application transmitted by letter dated September 29, 1993, as supplemented by letter dated April 8, 1994.

The amendment revises TS Section 3.9.A.5 and Tables 3.9-1 and 4.10-2 to delete controls for the 21, 22, and 23 Boron Monitor Tanks, which are no longer in service.

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

Sincerely,

Francis J. Williams, Jr., Project Manager
Project Directorate I-1
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No. 169 to DPR-26
2. Safety Evaluation

cc w/enclosures:
See next page

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Mr. Stephen B. Bram
Consolidated Edison Company of New York

Indian Point Nuclear Generating
Unit No. 2

cc:

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Buchanan, New York 10511

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Broadway and Bleakley Avenue
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Senior Resident Inspector
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4 Irving Place - 1822
New York, New York 10003

Regional Administrator, Region I
U. S. Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, Pennsylvania 19406

DATED: April 28, 1994

AMENDMENT NO. 169 TO FACILITY OPERATING LICENSE NO. DPR-26-INDIAN POINT UNIT 2

Docket File
NRC & Local PDRs
PDI-1 Reading
S. Varga, 14/E/4
J. Calvo, 14/A/4
R. Capra
C. Vogan
J. Menning
F. Williams
OGC
D. Hagan, 3302 MNBB
G. Hill (2), P1-22
C. Grimes, 11/F/23
L. Cunningham, 10/D/4
C. McCracken, 8/D/1
ACRS (10)
OPA
OC/LFDCB
PD plant-specific file
C. Cowgill, Region I

cc: Plant Service list



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

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. 169
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 September 29, 1993, as supplemented by letter dated April 8, 1994, 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:

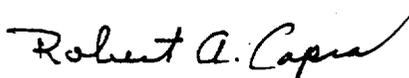
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(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 169, 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 to be implemented after the inlet and outlet lines of the 21, 22, and 23 Boron Monitor Tanks have been cut and capped.

FOR THE NUCLEAR REGULATORY COMMISSION



Robert A. Capra, Director
Project Directorate I-1
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Attachment:
Changes to the Technical
Specifications

Date of Issuance: April 28, 1994

ATTACHMENT TO LICENSE AMENDMENT NO. 169

FACILITY OPERATING LICENSE NO. DPR-26

DOCKET NO. 50-247

Revise Appendix A as follows:

Remove Pages

3.9-4

Table 3.9-1 (Page 1 of 2)

Table 4.10-2 (Page 1 of 2)

Insert Pages

3.9-4

Table 3.9-1 (Page 1 of 2)

Table 4.10-2 (Page 1 of 2)

(iii) Summary description of action(s) taken to prevent a recurrence.

5. Liquid Holdup Tanks

- a. The quantity of radioactive material contained in each of the following unprotected outdoor tanks shall be limited to less than or equal to 10 curies, excluding tritium and dissolved or entrained noble gases.
 - a. Refueling Water Storage Tank
 - b. Primary Water Storage Tank
 - c. 13, 14 Waste Distillate Storage Tanks
 - d. Outside temporary tank

- b. With the quantity of radioactive material in any of the above listed tanks exceeding the above limit, immediately suspend all additions of radioactive material to the tank, take action within 48 hours to reduce the tank contents to within the limit, and describe the events leading to this condition in the next Semiannual Radioactive Effluent Release Report.

B. RADIOACTIVE GASEOUS EFFLUENTS

1. Gaseous Effluent Dose Rate

- a. The dose rate due to radioactive materials released in gaseous effluents from the site to areas at and beyond the site boundary (see Figure 5.1-1) shall be limited to the following:
 - (i) for noble gases: Less than or equal to 500 mrem/yr to the total body and less than or equal to 3000 mrem/yr to the skin, and

Table 3.9-1

Radioactive Liquid Effluent Monitoring Instrumentation

<u>Instrument</u>	<u>Minimum Channels Operable*</u>	<u>Action</u>
1. GROSS RADIOACTIVITY MONITORS PROVIDING ALARM AND AUTOMATIC TERMINATION OF RELEASE		
a. Liquid Radwaste Effluent Line	(1)	1
b. Steam Generator Blowdown Effluent Line	(1)	2
2. GROSS BETA OR GAMMA RADIOACTIVITY MONITORS PROVIDING ALARM BUT NOT PROVIDING AUTOMATIC TERMINATION OF RELEASE		
a. Service Water System Effluent Line	(1)	3
b. Unit 1 - Secondary Boiler Blowdown Purification System (SBBPS) Effluent	(1)	3
3. FLOW RATE MEASUREMENT DEVICES		
a. Liquid Radwaste Effluent Line	(1)	4
b. Steam Generator Blowdown Effluent Line	(1)	4
4. TANK LEVEL INDICATING DEVICES**		
a. 13 Waste Distillate Storage Tank	(1)	5
b. 14 Waste Distillate Storage Tank	(1)	5
c. Primary Water Storage Tank	(1)	5
d. Refueling Water Storage Tank	(1)	5

* During release by this pathway, channels shall be operable and in service during such release on a continuous, uninterrupted basis except that outages are permitted, within the time frame and limitations of the specified action, for the purpose of maintenance or required tests, checks and calibration.

** Tanks included in this specification are those outdoor tanks that are not surrounded by liners, dikes, or walls capable of holding the tank contents and do not have tank overflows and surrounding area drains connected to the liquid radwaste treatment system.

Table 4.10-2

Radioactive Liquid Effluent Monitoring Instrumentation Surveillance Requirements

<u>Instrument</u>	<u>Channel Check</u>	<u>Source Check</u>	<u>Channel Calibration</u>	<u>Channel Functional Test</u>
1. GROSS RADIOACTIVITY MONITORS PROVIDING ALARM AND AUTOMATIC TERMINATION OF RELEASE				
a. Liquid Radwaste Effluent Line	D*	P	R ⁽³⁾ #	Q ⁽¹⁾
b. Steam Generator Blowdown Effluent Line	D*	M	R ⁽³⁾ #	Q ⁽¹⁾
2. GROSS BETA OR GAMMA RADIOACTIVITY MONITORS PROVIDING ALARM BUT NOT PROVIDING AUTOMATIC TERMINATION OF RELEASE				
a. Service Water System Effluent Line	D*	M	R ⁽³⁾ #	Q ⁽²⁾
b. Unit 1 Secondary Boiler Blowdown Effluent Line	D*	M	R ⁽³⁾ #	Q ⁽²⁾
3. FLOW RATE MEASUREMENTS DEVICES				
a. Liquid Radwaste Effluent Line	D ⁽⁴⁾	N.A.	R	Q
b. Steam Generator Blowdown Effluent Line	D ⁽⁴⁾	N.A.	R	Q
4. TANK LEVEL INDICATING DEVICES***				
a. 13 Waste Distillate Storage Tank	D**	N.A.	R	Q
b. 14 Waste Distillate Storage Tank	D**	N.A.	R	Q
c. Primary Water Storage Tank	D**	N.A.	R	Q
d. Refueling Water Storage Tank	D**	N.A.	R	Q

* During releases via this pathway

** During liquid additions to the tank

*** Tanks included in this specification are those outdoor tanks that are not surrounded by liners, dikes, or walls capable of holding the tank contents and do not have tank overflow and surrounding area drains connected to the liquid radwaste treatment system.



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. 169 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

1.0 INTRODUCTION

By letter dated September 29, 1993, as supplemented by letter dated April 8, 1994, the Consolidated Edison Company of New York (the licensee) submitted a request for changes to the Indian Point Nuclear Generating Unit No. 2 Technical Specifications (TSs). The requested changes would revise TS Section 3.9.A.5 and Tables 3.9-1 and 4.10-2 to delete controls for the 21, 22, and 23 Boron Monitor Tanks, which are no longer in service. These tanks were part of the Boron Recycle System, which is no longer used. The Boron Monitor Tanks are currently empty and unused. Other portions of the Boron Recycle System, namely, the 22 boric acid evaporator, the 22 gas stripper, and the 22 ion exchanger filter, have been removed.

The function of the Boron Monitor Tanks was to provide a sample point and storage for primary water before its transfer to the primary water storage tank. Implementation of the proposed TS changes would be preceded by a plant modification to cut and cap the inlet and outlet piping of the tanks. As a result, the Boron Monitor Tanks will be permanently isolated, with the capability of liquid addition removed.

The April 8, 1994, letter submitted a TS page which had changed subsequent to the September 29, 1993, amendment application due to issuance of Amendment No. 166. The April 8, 1994, submittal did not change the initial proposed no significant hazards consideration and was not outside of the scope of the original Federal Register notice.

2.0 EVALUATION

Section 3.9.A.5 of the TSs currently limits the quantity of radioactive material contained in each of 8 unprotected outdoor tanks, including the 21, 22, 23 Boron Monitor Tanks. Restricting the quantity of radioactive material contained in the specified tanks provides assurance that, in the event of an uncontrolled release of any tank's contents, the resulting concentration would be less than the limits of 10 CFR Part 20 at the nearest potable water supply and the nearest surface water supply in an unrestricted area.

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The licensee has proposed that the references to the 21, 22, and 23 Boron Monitor Tanks be deleted from TS Section 3.9.A.5. This change was proposed on the basis that limits on the quantities of radioactive material within the tanks will be superfluous since the tanks will be permanently isolated.

TS Table 3.9-1 currently specifies operability requirements for the level indicating devices for the 21, 22, and 23 Boron Monitor Tanks. Related surveillance requirements for these tanks are currently contained in TS Table 4.10-2. The tank level indicating devices are intended to assure the detection and control of leaks that, if not controlled, could potentially result in the transport of radioactive materials to unrestricted areas. The licensee has proposed that the requirements related to the level indicating devices for the 21, 22, and 23 Boron Monitor Tanks be deleted from TS Tables 3.9-1 and 4.10-2. The change was proposed on the basis that leakage from the tanks will not be a concern once the tanks have been permanently isolated.

The NRC staff has concluded that the TS changes proposed by the licensee are acceptable. This conclusion is based on a determination that limitations on the quantity of radioactive contents and requirements for level monitoring capability and related instrument surveillance will be unnecessary for the 21, 22, and 23 Boron Monitor Tanks since the tanks are empty and will be permanently isolated prior to implementation of the proposed changes.

3.0 STATE CONSULTATION

In accordance with the Commission's regulations, the New York State official was notified of the proposed issuance of the amendment. The State official had no comments.

4.0 ENVIRONMENTAL CONSIDERATION

The amendment changes a requirement with respect to installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20 and changes surveillance requirements. The NRC staff has determined that the amendment involves no significant increase in the amounts, and no significant change in the types, of any effluents that may be released offsite, and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that the amendment involves no significant hazards consideration, and there has been no public comment on such finding (58 FR 62154). Accordingly, the amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). Pursuant to 10 CFR 51.22(b) no environmental impact statement or environmental assessment need be prepared in connection with the issuance of the amendment.

5.0 CONCLUSION

The Commission has 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, (2) such activities will be conducted in compliance with the Commission's regulations, and (3) the issuance of the amendment will not be inimical to the common defense and security or to the health and safety of the public.

Principal Contributor:
J. E. Menning

Date: April 28, 1994

April 28, 1994

Docket No. 50-247

Mr. Stephen B. Bram
Vice President, Nuclear Power
Consolidated Edison Company
of New York, Inc.
Broadway and Bleakley Avenue
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Sincerely,

Original signed by:

Francis J. Williams, Jr., Project Manager
Project Directorate I-1
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No.169 to DPR-26
2. Safety Evaluation

cc w/enclosures:

See next page

*See previous concurrence

LA: PDI-1	PM: PDI-1	PM: PDI-1	*PRPB	*NRR/SPLB	*OGC	D: PDI-1
CVogan	JMenning: <i>sm</i>	FJWilliams	LCunningham	CMcCracken		RACapra <i>rev</i>
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