

January 27, 1998

Mr. Paul H. Kinkel
Vice President, Nuclear Power
Consolidated Edison Company
of New York, Inc.
Broadway and Bleakley Avenue
Buchanan, NY 10511

SUBJECT: ENVIRONMENTAL ASSESSMENT AND FINDING OF NO SIGNIFICANT IMPACT
FOR THE USE OF ALTERNATIVE METHODOLOGY FOR PRESSURE AND
TEMPERATURE LIMITS FOR INDIAN POINT NUCLEAR GENERATING UNIT
NO. 2 (TAC NO. M96944)

Dear Mr. Kinkel:

Enclosed is a copy of the Environmental Assessment and Finding of No Significant Impact for the Indian Point Nuclear Generating Unit No. 2 (IP2). The assessment relates to your application dated October 7, 1997. The proposed request would exempt IP2 from the requirements of 10 CFR Part 50.60 and 10 CFR Part 50, Appendix G to allow the use of the methodology, or its equivalent, specified in Appendix G in the 1996 Addenda to Section XI of the American Society of Mechanical Engineers Code (the 1996 methodology) for developing pressure-temperature limits for IP2.

The assessment is being forwarded to the Office of the Federal Register for publication.

Sincerely,

Original Signed by:

Jefferey F. Harold, Project Manager
Project Directorate I-1
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

11,
DFD

Docket No. 50-247

Enclosure: Environmental Assessment

cc w/encl: See next page

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*See previous concurrence

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**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

WASHINGTON, D.C. 20555-0001

January 27, 1998

Mr. Paul H. Kinkel
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Consolidated Edison Company
of New York, Inc.
Broadway and Bleakley Avenue
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Sincerely,

A handwritten signature in cursive script that reads "Jeffrey F. Harold".

Jeffrey F. Harold, Project Manager
Project Directorate I-1
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Docket No. 50-247

Enclosure: Environmental Assessment

cc w/encl: See next page

**Paul H. Kinkel
Consolidated Edison Company
of New York**

**Indian Point Nuclear Generating
Station Units 1/2**

cc:

**Mayor, Village of Buchanan
236 Tate Avenue
Buchanan, NY 10511**

**Mr. F. William Valentino, President
New York State Energy, Research,
and Development Authority
Corporate Plaza West
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Albany, NY 12203-6399**

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Manager of Nuclear Safety and
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**Senior Resident Inspector
U. S. Nuclear Regulatory Commission
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**Mr. Walter Stein
Secretary - NFSC
Consolidated Edison Company
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**Regional Administrator, Region I
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King of Prussia, PA 19406**

**Mr. Paul Eddy
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Public Service
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**Robert Hargrove
Environmental Review Coordinator
26 Federal Plaza
New York, NY 10278**

UNITED STATES NUCLEAR REGULATORY COMMISSION
CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
INDIAN POINT NUCLEAR GENERATING UNIT NO. 2
ENVIRONMENTAL ASSESSMENT AND FINDING OF
NO SIGNIFICANT IMPACT
DOCKET NO. 50-247

The U.S. Nuclear Regulatory Commission (the Commission) is considering issuance of an exemption from the requirements of 10 CFR 50.60 and 10 CFR Part 50, Appendix G, Facility Operating License No. DPR-26, issued to Consolidated Edison Company of New York, Inc. (the licensee), for operation of the Indian Point Nuclear Generating Unit No. 2 (IP2) located in Westchester County, New York.

ENVIRONMENTAL ASSESSMENT

Identification of the Proposed Action:

The proposed action would exempt the licensee from the requirements of 10 CFR 50.60 and 10 CFR Part 50, Appendix G, to allow the use of the methodology, or its equivalent, specified in Appendix G in the 1996 Addenda to Section XI of the American Society of Mechanical Engineers (ASME) Code (the 1996 methodology) for developing pressure-temperature (P-T) limits.

The proposed action is in accordance with the licensee's application for exemption dated October 7, 1997.

The Need for the Proposed Action:

Pursuant to 10 CFR 50.60, all light water nuclear power reactors must meet the fracture toughness requirements for the reactor coolant pressure boundary as set forth in 10 CFR Part 50,

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Appendix G. Appendix G of 10 CFR Part 50 requires that the appropriate requirements on both the P-T limits and the minimum permissible temperature must be met for all conditions. The P-T limits identified as "ASME Appendix G limits" require that the limits must be as conservative as limits obtained by following the methods of analysis and the margins of safety of Appendix G of Section XI of the ASME Code. The Codes and Standards as specified in 10 CFR 50.55a references Section XI of the ASME Boiler and Pressure Vessel Code refer to Class 1, Class 2, and Class 3 components of Section XI, Division 1, and include addenda through the 1988 Addenda and editions through the 1989 Edition. The proposed action is needed to permit the licensee to use a methodology specified in the 1996 edition, or its equivalent, for developing the P-T limits for Indian Point 2.

Environmental Impacts of the Proposed Action:

The Commission has completed its evaluation of the proposed methodology specified in Appendix G in the 1996 Addenda to Section XI of the ASME Code (the 1996 methodology) for developing P-T limits and concludes that there will be no physical or operational changes to IP2.

The Commission has evaluated the environmental impact of the proposed action and has determined that the probability or consequences of accidents would not be increased by the proposed action, and that post-accident radiological releases would not be greater than previously determined. Further, the Commission has determined that the proposed action would not affect routine radiological exposure. Accordingly, the Commission concludes that there are no significant radiological environmental impacts associated with the proposed action.

With regard to potential nonradiological impacts, the proposed action would not affect nonradiological plant effluents and would have no other environmental impact. Therefore, the Commission concludes that there are no significant nonradiological environmental impacts associated with the proposed action.

Alternatives to the Proposed Action:

Since the Commission has concluded that there are not significant environmental effects that would result from the proposed action, any alternative with equal or greater environmental impacts need not be evaluated.

The principal alternative would be to deny the requested action. Denial of the application would result in no change in current environmental impacts. The environmental impacts of the proposed action and the alternative action are identical.

Alternative Use of Resources:

This action does not involve the use of any resources not previously considered in the Final Environmental Statement for Indian Point Nuclear Generating Unit No. 2, dated November 1976.

Agencies and Persons Contacted:

In accordance with its stated policy, on December 2, 1997, the staff consulted with the New York State Official, Jack Spath, of the New York State Research and Development Authority regarding the environmental impact of the proposed action. The State official had no comments.

FINDING OF NO SIGNIFICANT IMPACT

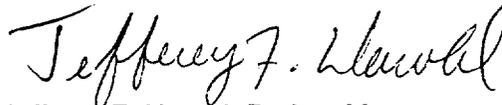
Based upon the environmental assessment, the Commission concludes that the proposed action will not have a significant effect on the quality of the human environment. Accordingly, the Commission has determined not to prepare an environmental impact statement for the proposed action.

For further details with respect to the proposed action, see the licensee's letter dated October 7, 1997, which is available for public inspection at the Commission's Public Document

Room, the Gelman Building, 2120 L Street, NW., Washington, DC, and at the local public document room located at the White Plains Public Library, 100 Martine Avenue, White Plains, New York 10610.

Dated at Rockville, Maryland, this 27th day of January 1998.

FOR THE NUCLEAR REGULATORY COMMISSION

A handwritten signature in cursive script that reads "Jeffrey F. Harold".

Jeffrey F. Harold, Project Manager
Project Directorate I-1
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation