

Peter Zarakas
Vice President

Consolidated Edison Company of New York, Inc.
4 Irving Place, New York, NY 10003
Telephone (212) 460-3000

August 28, 1980

Mr. Boyce H. Grier
Director
Office of Inspection and Enforcement
Region I
U.S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, PA 19406

RE: 30-Day Report Concerning Common Thermal Discharge from
Indian Point Unit Nos. 1 and 2, and Indian Point 3
Nuclear Power Plant
(Docket Nos. 50-3, 50-247 and 5-286)

Dear Mr. Grier:

This report concerns the combined thermal discharges from Con Edison's Indian Point Unit Nos. 1 and 2, and the Power Authority's Indian Point 3 Nuclear Power Plant and is submitted by Con Edison on its own behalf and on behalf of the Power Authority of the State of New York.

Environmental Technical Specification Requirement 2.1.2.1 refers to the New York State thermal criterion which requires that the water temperature at the surface of the Hudson River not be raised to more than 90 F at any point. On August 4, 1980 in the Hudson River, in the vicinity of Indian Point, surface temperatures above the 90 F criterion occurred. Appropriate mitigating action was taken and on August 5, 1980 a telephone report was made to the DEC office in New Paltz.

Due to unusually high river water temperatures and certain circulating water pumps out of service at the Indian Point plants the circulating water system discharge temperature exceeded 98 F on August 4, 1980. These circumstances temporarily reduced the normal site capability to discharge sufficient cooling water to insure that compliance is maintained with the 90 F criterion at the surface of the Hudson River. Based on the prevailing river water and operating conditions, and based on knowledge of the behavior of the thermal effluent plume in the Hudson River acquired during our thermal-hydraulic field survey program, we determined that unusually high ambient river temperatures and high discharge temperatures caused surface river water temperatures to exceed 90 F on August 4. No adverse impacts on

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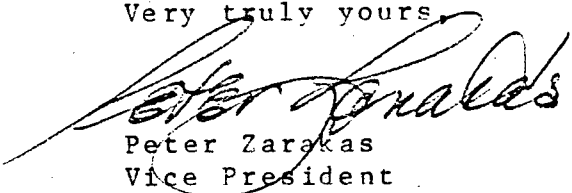
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Hudson River waters or biota are expected because of these conditions.

Based on our assessment of the situation, plant operators were directed to maintain a discharge temperature equal to or less than 98 F to achieve compliance with the 90 F criterion at the surface of the Hudson River in the vicinity of the Indian Point plants. Thus, action was taken to reduce load and discharge temperatures. On August 4, 1980 Unit 2 load was reduced to 690 MWe and Unit 3 load was reduced to 680 MWe. In a period of high demand for electricity in our service area, this action was taken at a substantial cost to our consumers. The corrective action was effective.

If there are any questions about this report, please contact me.

Very truly yours,



Peter Zarakas
Vice President

Attachments

cc: Mr. Harold R. Denton
Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Mr. Louis Condra
Director of Regulatory Affairs
New York State Department of
Environmental Conservation
50 Wolf Road
Albany, NY 12233

Mr. George Danskin, Regional Supervisor
Regulatory Affairs, Region 3
New York State Department of
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21 South Putt Corners Road
New Paltz, NY 12561

Vice President
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Telephone (212) 460-4940

August 12, 1980

Mr. George Danskin, Regional Supervisor
Regulatory Affairs, Region 3
New York State Department of
Environmental Conservation
21 South Putt Corners Road
New Paltz, NY 12561

RE: Report Concerning Common Thermal Discharge from Indian Point
Unit Nos. 1 and 2, and Indian Point 3 Nuclear Power Plant

Dear Mr. Danskin:

This letter provides information supplemental to our report by telephone to Mr. Fred Slater of DEC's New Paltz office on August 5, 1980. That report concerned the status of combined thermal discharges from Con Edison's Indian Point Unit Nos. 1 and 2, and the Power Authority's Indian Point 3 Nuclear Power Plant.

Condition III.E.1.e.(1) of the certification of May 2, 1975 pursuant to Section 401 of the Clean Water Act requires the water temperature at the surface of the Hudson River in the vicinity of the Indian Point plants shall not be raised to more than 90 F at any point. On August 4, 1980 in the Hudson River, in the vicinity of Indian Point, surface temperatures above the 90 F criterion occurred. Appropriate mitigating action was taken and on August 5, 1980 a telephone report was made to the DEC office in New Paltz.

The circulating water system discharge temperature exceeded 98 F on August 4, 1980. This was due to high river water temperatures and circulating water pumps out of service at the Indian Point plants. These circumstances temporarily reduced the normal site capability to discharge sufficient cooling water to insure that compliance is maintained with the 90 F criterion at the surface of the Hudson River. Based on the prevailing river water and operating conditions and based on knowledge acquired during our thermal-hydraulic field survey program of the behavior of the thermal effluent plume in the Hudson River, we determined that high ambient river temperatures and high discharge temperatures caused surface river water temperatures to exceed 90 F on August 4. No adverse impacts were expected or observed on Hudson River waters.

Based on our determination of the situation, plant operators were directed to maintain a discharge temperature equal to or less than 98 F to achieve compliance with the 90 F criterion at the surface of the Hudson River in the vicinity of the Indian Point plants. Thus, action was taken to reduce load and discharge temperatures. On August 4, 1980 Unit 2 load was reduced to 690 MWe and Unit 3 load was reduced to 680 MWe at a substantial cost to our consumers. The corrective action was effective.

Plant monitoring of circulating water system intake and discharge temperatures has been shown to be successful in identifying conditions which could cause noncompliance with thermal criteria. To further reduce the possibility of noncompliance in the future operations to maintain a discharge temperature of 98 F shall continue.

If there are any questions about this report, please contact me.

Very truly yours,



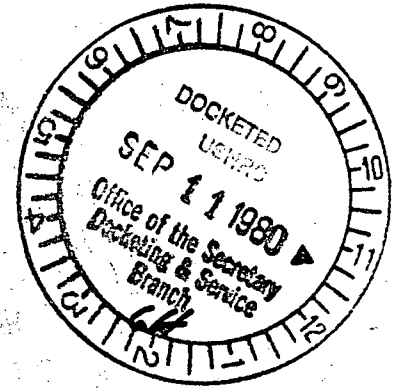
John A. Nutant
Vice President

cc: Mr. Louis Condra
Director of Regulatory Affairs
New York State Department of
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50 Wolf Road
Albany, NY 12233

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

COMMISSIONERS:

John F. Ahearne, Chairman
Victor Gilinsky
Joseph M. Hendrie
Peter A. Bradford



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Docket Nos. 50-3
50-247
50-286

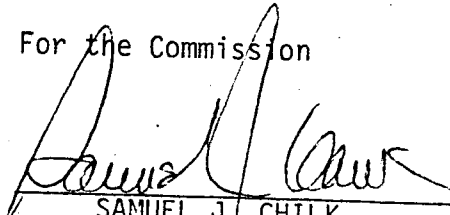
In the Matter of
CONSOLIDATED EDISON COMPANY,
et al.
(Indian Point, Units 1, 2 and 3)

ORDER

Pursuant to 10 CFR 2.772, the time within which the Commission may act to review ALAB-436 and the relevant portion of ALAB-561 is extended until September 26, 1980.

It is so ORDERED.

For the Commission


SAMUEL J. CHILK
Secretary of the Commission

Dated at Washington, D.C.,
this 10th day of September, 1980.

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UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

In the Matter of)
)
CONSOLIDATED EDISON COMPANY OF)
NEW YORK, INC.)
)
(Indian Point Nuclear Generating)
Station, Units 1, 2 and 3))
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)
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Docket No. (s) 50-3
50-247
50-286

CERTIFICATE OF SERVICE

I hereby certify that I have this day served the foregoing document(s) upon each person designated on the official service list compiled by the Office of the Secretary of the Commission in this proceeding in accordance with the requirements of Section 2.712 of 10 CFR Part 2 - Rules of Practice, of the Nuclear Regulatory Commission's Rules and Regulations.

Dated at Washington, D.C. this
11th day of Sept 1980.

Eugenia M. Pleasants
Office of the Secretary of the Commission

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

In the Matter of)

CONSOLIDATED EDISON COMPANY OF NEW YORK)
ET AL.)

(Indian Point, Units 1, 2 and 3))
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Docket No.(s) 50-3
50-247
50-286

SERVICE LIST

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U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

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