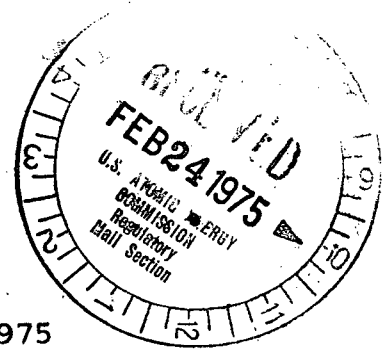


William J. Cahill, Jr.
Vice President

Regulatory

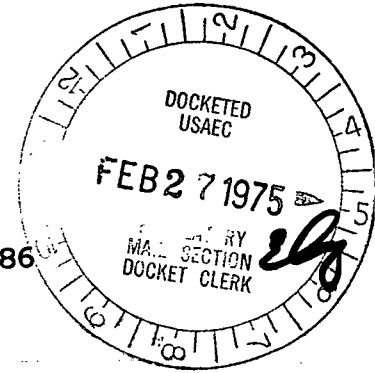
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Consolidated Edison Company of New York, Inc.
4 Irving Place, New York, N Y 10003
Telephone (212) 460-3819

February 21, 1975

Mr. George W. Knighton, Chief
Environmental Projects Branch No. 1
Directorate of Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555



Re: Indian Point 3 - Docket No. 50-286

Dear Mr. Knighton:

Enclosed for review by the Nuclear Regulatory Commission Staff is the report entitled "Semi-Annual Progress Report for the Multiplant Impact Study of the Hudson River Estuary" dated February 1975, prepared by Texas Instruments Incorporated.

In accordance with past practice, we are enclosing 6 copies of this report and are sending 2 copies to Dr. Richard Rush.

We are also enclosing additional copies of the following documents, one copy of which was sent with my letter to Mr. Edson Case, Acting Director of the Office of Nuclear Reactor Regulation, dated January 31, 1975:

Hudson River Ecosystem Studies - Semiannual
Progress Report of New York University
Institute of Environmental Medicine

Second Semi-Annual Report Related to the
Feasibility Study for Spawning, Hatching
and Stocking Striped Bass in the Hudson
River - prepared by Texas Instruments
Incorporated

Very truly yours,

Encs.

cc: Dr. Richard Rush, ORNL (2)

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PDR ADOCK 05000286
R PDR

William J. Cahill, Jr.
Vice President

REGULATORY DIVISION FILE COPY

Consolidated Edison Company of New York, Inc.
4 Irving Place, New York, N Y 10003
Telephone (212) 460-3819

January 22, 1975

Mr. George W. Knighton, Chief
Environmental Projects Branch No. 1
Directorate of Licensing
U. S. Nuclear Regulatory Commission
Washington, D. C. 20545

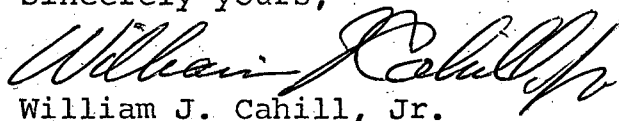
Dear Mr. Knighton:

Pursuant to your letter of December 31, 1974 and our responses to you of January 10, 1975 (from myself) and January 21, 1975 (from Mr. Newman), we are furnishing to you at this time, but under separate cover, 12 copies of the following:

- 1) Indian Point Impingement Study Report for the Period 15 June 1972 through 31 December 1973-- Texas Instruments, Inc. (Item #7 of Enclosure I of your letter of December 31)
- 2) 1973 Hudson River Aquatic Ecology Studies - Bowline Point and Lovett Generating Stations-- prepared for Orange & Rockland Utilities by Lawler, Matusky & Skelly Engineers, 5 Volumes (Item #1 of Enclosure I of your letter of December 31)

In accordance with your request we are enclosing 3 signed originals and 9 additional copies of this letter. We are also sending 2 copies of this letter and documents to Dr. Richard Rush.

Sincerely yours,


William J. Cahill, Jr.

jvp/klg

cc: Dr. Richard Rush, ORNL

db

Vols 1 - Chapters 1 - 3C
Vols 2 - Appendices IIID - IIIN
Vols 3 - Chapters 4 & Appendices 4
Vols 4 - Chapters 5 & 6 Appendices 5 & 6
Vols 5 - Chapters 7 & 8 Appendices 7 & 8

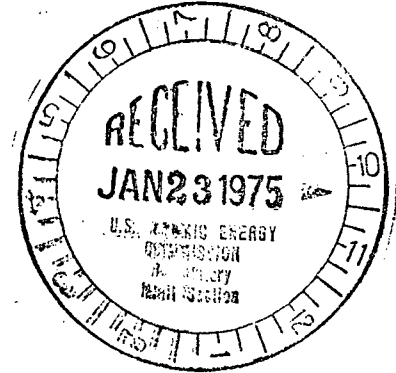
Carl L. Newman
Vice President

Consolidated Edison Company of New York, Inc.
4 Irving Place, New York, N. Y. 10003
Telephone (212) 460-5133

50-31247 (286)

January 21, 1975

Mr. George W. Knighton, Chief
Environmental Projects Branch No. 1
Directorate of Licensing
U.S. Nuclear Regulatory Commission
Washington, D. C. 20545



Dear Mr. Knighton:

Pursuant to your letter of December 31, 1974 and our response of January 10, 1975, we are furnishing to you at this time, but under separate cover, 12 copies of the following:

Fisheries Survey of the Hudson River,
March-December 1973, Volume IV -
Texas Instruments, Inc. This is a
draft copy and is subject to further
revisions.

In accordance with your request we are enclosing 3 signed originals and nine additional copies of this letter. We are also sending 2 copies of this letter and documents to Dr. Richard Rush.

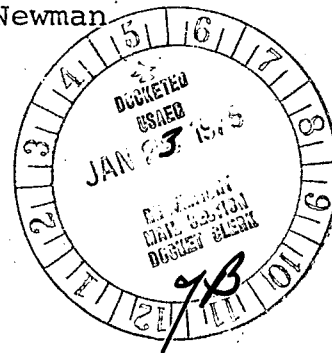
We regret that item #7 (Fish Impingement Study) of our response of January 10 is not yet available. We will, however, forward 12 copies to you as soon as possible. I wish to draw to your attention that two draft copies of this report were forwarded to you by me on October 3, 1974.

Sincerely yours,

Carl L. Newman
Carl L. Newman

jvp/klg

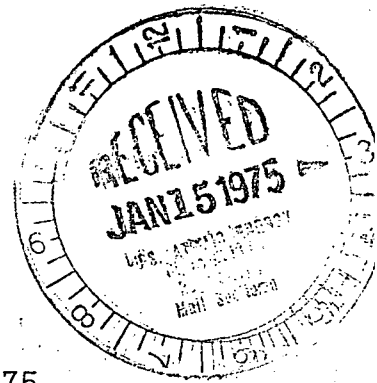
cc: Dr. Richard Rush, ORNL



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William J. Cahill, Jr.
Vice President

Consolidated Edison Company of New York, Inc.
4 Irving Place, New York, N Y 10003
Telephone (212) 460-3819



REGULATORY COMMISSION ON ENERGY FILE COPY

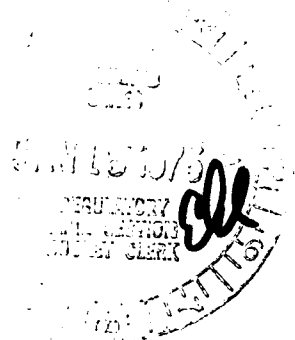
January 10, 1975

50-3/247/288

George W. Knighton
Environmental Projects Branch No. 1
Directorate of Licensing
Atomic Energy Commission
Washington, D. C. 20545

Dear Mr. Knighton:

In response to your letter of October 15, 1974 concerning a change in the river temperature monitoring system in the proposed Environmental Technical Specification Requirements for once-through cooling for three unit operation, we wish to advise you of the way Con Edison proposes to modify the existing river temperature monitoring system at Indian Point. This system change was discussed on December 10, 1974 with Dr. M. J. Oestmann of your staff.



Intake temperatures at each of the three units will be obtained by individual thermal probes and used to calculate the average intake temperature. This average intake temperature will be recorded, and by use of a three-position switch, any one of the three individual intake temperatures can be selected to be recorded.

The ΔT across the site will be calculated by subtracting the average intake temperature from the measured discharge canal temperature. The ΔT , rate of change of ΔT with time, and the discharge canal temperature will also be recorded. The system recording these temperature-related parameters will be located in the Unit 1-2 Control Room.

Another parameter mentioned in your letter was flow rate through the circulating water system. Since the Indian Point circulators are single speed pumps, flow rate will be logged at 140,000 gpm when a pump operates under design flow conditions and 84,000 gpm when a pump operates in a recirculating or throttled mode.

George W. Knighton

January 10, 1975

This modified temperature monitoring system as explained above will provide all necessary intake and discharge temperature information for the site. We would appreciate confirmation of the adequacy of the proposed system as soon as possible so installation can proceed.

Very truly yours,

A handwritten signature in cursive script, appearing to read "William J. Bull".

jjs.ap

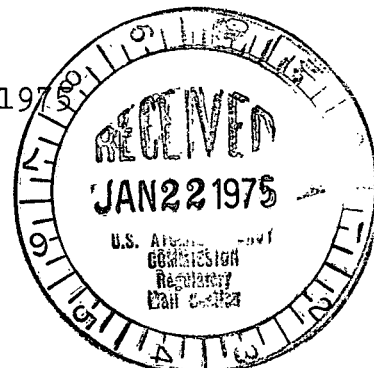
William J. Cahill, Jr.
Vice President

REGULATORY DOCKET FILE COPY

Consolidated Edison Company of New York, Inc.
4 Irving Place, New York, N Y 10003
Telephone (212) 460-3819

50-3/247/286

January 10, 1975

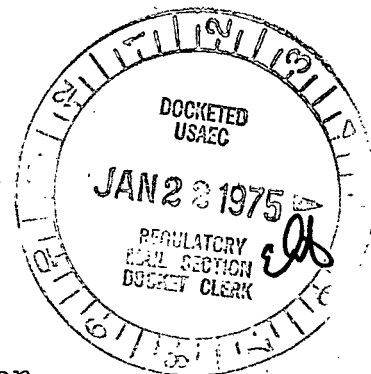


Mr. George W. Knighton, Chief
Environmental Projects Branch No. 1
Directorate of Licensing
U.S. Atomic Energy Commission
Washington, D. C. 20545

Dear Mr. Knighton:

In accordance with your letter of December 30, 1974 we are furnishing you at this time, but under separate cover, copies of the following items:

- Computational Procedures for f-Factors and an Example Model Run of the Hudson River Striped Bass Life Cycle Model dated December, 1974 by Lawler, Matusky & Skelly Engineers. (Item number 4 of Enclosure I of your December 31 letter).
- A Preliminary Analysis of the Abundance of Four Life History Stages of Striped Bass (Morone saxatilis) Collected in the Intakes of Indian Point Unit 1 and in the Hudson River in Front of Indian Point. New York University. (Item number 5 of Enclosure I of your December 31 letter).
- Larval Striped Bass (Morone saxatilis) Length Frequency Analysis. New York University. (Item 6 of Enclosure I of your December 31 letter).



The status of the other reports and documents listed on Enclosure I to your letter of December 31, 1974 is as follows:

- 1) First Annual Report on the Impact of Bowline Generating Station - Orange and Rockland now advises us that we will be receiving copies of this report the last week of January. We will forward them to you immediately following their receipt.

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Mr. George W. Knighton

January 10, 1975

- 2) Hudson River Fisheries Survey Volume IV - This report is now being revised to respond to inquiries which arose during the course of the FPC hearings on the Cornwall Pumped Storage Project. In view of your interest, we will send you copies of the present version of this document by January 21.
- 3) Thermal Plume Progress Reports - Please refer to the attachment to Mr. Carl L. Newman's letter to you dated October 28, 1974 concerning our understanding of this report. The requirement for a thermal plume progress report contained in the ESTR was met by my letter dated July 31, 1974 to the Director of the Directorate of Licensing. In addition, detailed reports of monthly thermal plume surveys are prepared by Dames & Moore and Con Edison. These reports contain extensive analyses of the thermal data and are not received until several months after the month in which the measurements are made. Reports for May and June 1974 have already been transmitted to you by my letters dated September 16 and December 17 respectively. The reports for subsequent months have not yet been completed.
- 7) Fish Impingement Study - This has been completed and we expect to have sufficient copies available to send to you before January 21, 1975.
- 8) Length-Frequency Distribution of the Longitudinal River Survey - Printout of Data on Magnetic Tape - Your letter of December 31, 1974 is your first request for the printout of this data. We have requested this from our contactor and expect to be able to send it to you by March 31. The limited availability of the computer precludes an earlier submittal.

In accordance with your request we enclose three (3) signed originals and nine additional copies of this letter. We are sending under separate cover twelve copies of the documents referred to above as being furnished to you at this time. In addition, we are sending two (2) copies of this letter and the documents to Dr. Richard Rush.

Sincerely,



dg.ap
cc:

Dr. Richard Rush, ORNL