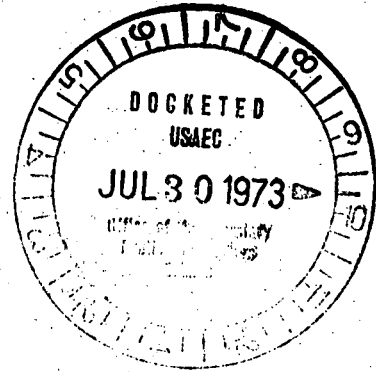


BEFORE THE UNITED STATES
ATOMIC ENERGY COMMISSION



In the Matter of)
)
Consolidated Edison Company) Docket No. 50-247
of New York, Inc.)
(Indian Point Station, Unit No. 2))

AFFIDAVIT OF HARRY G. WOODBURY, JR.

Harry G. Woodbury, Jr. being duly sworn, deposes
and says that:

1. He is Executive Vice President of Consolidated Edison Company of New York, Inc. ("Consolidated Edison").
2. He has participated in the proceedings to date concerning environmental considerations relating to the application of Consolidated Edison to operate Unit No. 2.
3. He is familiar with the activities Consolidated Edison proposes to conduct pursuant to the requested authorization contained in the document entitled "Applicant's Motion For Issuance of A License Authorizing Limited Operation" to which this affidavit is attached and the concomitant potential environmental effects.

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4. He has knowledge of the facts asserted herein.

5. The impact on the aquatic ecosystem of the Hudson River resulting from the limited operation of Indian Point Unit 2 in accordance with the requested authorization will be negligible.

6. The seasonal occurrence of entrainable stages of fishes at Indian Point has been described in the testimony of Dr. Gerald J. Lauer (Lauer on Effects of Operations, Oct. 30, p. 43; Lauer on Temperature and Entrainment, Feb. 5). Sampling at the intakes at Unit 1 indicates that the vast bulk of the entrainable stages of Indian Point fishes are no longer susceptible to entrainment by August 1. A very small number of white perch and striped bass, however, may be susceptible to entrainment in early August although the seasonal occurrence of these species is essentially passed for the period requested for limited operation.

7. Consolidated Edison's ongoing studies of the effects of entrainment have shown that the mortality to entrained eggs and larvae of Morone species (striped bass and white perch) is less than 100% and may be very low under some operating conditions. Based on the small number of fishes susceptible to entrainment during August and September, 1973 the entrainment of fishes during such period will have a negligible impact on fish populations of the Hudson River.

8. With respect to the entrainment of planktonic forms other than fish, extensive studies reported in the testimony of Dr. Gerald J. Lauer, have shown that the extended operation of Indian Point Unit 2 will not have a significant adverse impact on the populations of the planktonic organisms entrained. Therefore, limited operation of Indian Point Unit 2 during August and September, 1973 will have a negligible effect on the planktonic organisms of the Hudson River.

9. Mortalities will occur at Indian Point Unit 2 when fish are unable to escape the cooling water flow and are impinged on the intake screens. The fish impinged will be small, primarily young-of-the-year averaging less than 0.25 ounce each. During August the collections will consist primarily of tomcod, while during September the collections will be primarily white perch, alewife, blue-back herring and anchovy.

10. The mode of operation of the cooling water circulators during August and September, 1973 will determine the number of fish collected on the intake screens. The mode of operation is expected to be as follows:

(1) Operation at 50% of full-power.

Six pump operation with a flow rate per pump of 84,000 gpm (reduced flow).

(2) Operation above 50% for testing.

Six pump operation with a flow rate per pump of 140,000 gpm.

11. The fish collection data from Indian Point Unit 1 form the basis for the estimates of impingement at Unit 2. (Alevras on Impingement, Feb. 5). Limited data available from Unit 1 for the reduced flow condition (84,000 gpm per pump) have also been used for the estimate of impingement at Unit 2. The mean number of fish collected per day at Unit 1 multiplied by a factor of three is used as a basis for estimating a mean number of fish per day at Unit 2. Based on the estimates of daily impingement at Unit 2, the total number of fish which might be impinged can be estimated.

12. The program for testing up to full-power will require three to six weeks. Assuming that the testing program will require three weeks for completion the total estimated number of fish which might be impinged during August, 1973 would be approximately 39,000 and during September, 1973 would be approximately 47,000. Assuming that the testing program would require six weeks for completion the total estimated number of fish which might be impinged during August, 1973 would be approximately 58,000 and during September, 1973 would be approximately 76,000.

13. These estimates are based on the completion of the testing program up to full-power during the term of the requested authorization and operation at 50% power; therefore, these impingement estimates should be considered the maximum for limited operation.

14. Due to the abundance of fish in the Hudson River as a whole and the fact that the species which might be impinged have abundant and vigorous populations, the estimated loss during the period requested with any combination of operation and testing as discussed above would be negligible. Any impact to the fish populations which might occur during the requested period for limited operation, however small, would certainly be temporary.

Harry G. Woodbury
Harry G. Woodbury, Jr.
Executive Vice President

Sworn to before me ^{25th}
this ^{25th} day of July 1973

Arthur M. Brown
Notary Public

ARTHUR M. BROWN
Notary Public, State of New York
No. 24-5470901
Qualified in Kings County
Commission Expires March 20, 1974

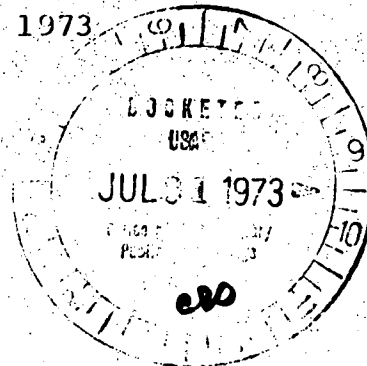
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July 27, 1973



Anthony Z. Roisman, Esq.
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Re: Consolidated Edison Company
of New York, Inc.
Indian Point Unit No. 2
AEC Docket No. 50-247

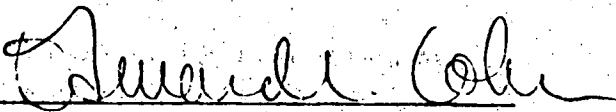
Dear Mr. Roisman:

Enclosed is a copy of a letter from Mr. Caldwell
to Mr. O'Leary, dated July 23, 1973.

Very truly yours,

LEBOEUF, LAMB, LEIBY & MACRAE
Attorneys for Applicant

By


Edward L. Cohen

Enclosure

cc w/enc:

Samuel W. Jensch, Esq.
Mr. R. B. Briggs
Dr. John C. Geyer
Myron Karman, Esq.
Angus Macbeth, Esq.
J. Bruce MacDonald, Esq.
Honorable Louis J. Lefkowitz
Secretary, U. S. Atomic Energy Commission (2)
Atomic Safety and Licensing Board Panel

hearing