BEFORE THE UNITED STATES

ATOMIC ENERGY COMMISSION

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

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 Further Limited Operation" to which this affidavit is attached and the concomitant potential environmental effects.

4. He has knowledge of the facts asserted herein.

5. The impact on the aquatic ecosystem of the Hudson River resulting from further 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 after August 1. The sampling at Unit 1 also indicates that striped bass and white perch are no longer susceptible to entrainment after October 1. A very small number of anchovies, however, may be susceptible to entrainment in October although the seasonal occurrence of this species is essentially past for the period requested for further limited operation.

7. Based on the small number of fishes susceptible to entrainment from October 1, 1973 through December 31, 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 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 from October 1, 1973 through December 31, 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 intake 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 ounces each. It is expected, based on experience, that during October the collections will consist primarily of white perch, tomcod, herring and bay anchovy; during November the collections will consist primarily of white perch and herring; during December the collections will consist primarily of white perch.

10. The mode of operation of the cooling water circulators from October 1, 1973 through December 31, 1973

will affect the number of fish collected on the intake screens. The estimate of the number of fish that may be impinged during this limited period of operation is based upon operating six circulating pumps at reduced flow at all power levels above 50%. Since the mode of operation is expected to be the same whether operation is at 50% of full power or up to 99% of full power, the number of fish impinged during the period of October 1, 1973 to December 31, 1973 is expected to be the same, whether the plant is operated at 50% of full power or up to 99% of full power.

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.) 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 total estimated number of fish which might be impinged during October, 1973 would be approximately 11,000; during November, 1973 approximately 84,000; and during December, 1973 approximately 100,000. These numbers remain the same whether the plant is operated at 50% of full power or up to 99% of full power.

13. 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 at power levels of 50% of full power and 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, Jr.
Executive Vice President
Consolidated Edison Company
of New York, Inc.

Sworn to before me

this 31st day of August 1973

Doris E Day
Notary Public