Kazimi
Chron
MTO

UNITED STATES
ATOMIC ENERGY COMMISSION
WASHINGTON, D.C. 20545

March 2, 1973

Leonard M. Trosten, Esq.
LeBeouf, Lamb, Leiby & MacRae
1821 Jefferson Place, N. W.
Washington, D. C. 20036

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

Dear Mr. Trosten:

Reference is made to your letter dated February 13, 1973 relating to certain requests for staff working papers on its entrainment model.

On February 2, 1973, in response to the applicant's request (Tr. 9221-9222); the staff provided the applicant with a sample computer run showing the predicted percentage reduction of the total and nursery population of striped bass larvae at eight weekly intervals after spawning, indicating values in excess of 50 percent. In Table A-V-16 on pages A-V-85 to A-V-87 of the staff's Final Environmental Statement, (FES) a number of examples are presented which show the values of percentage reduction of the total nursery populations obtained from similar computer runs which are higher than 40 percent. An additional computer run was forwarded to you last week confirming these figures. At the present time the staff, without creating a whole new set of computer runs, cannot furnish the additional computer data requested by the applicant.

In Table A-V-16 there is also data indicating values of percentage reductions of the total and nursery population which are less than 40 percent. For the cases shown in this table it is apparent that the values of percentage reductio range from about 30 to 40 percent. This information supports the staff positi that for most years during the spawning season from 30 to 50 percent of the striped bass larvae which migrate past Indian Point from upstream spawning areas are likely to be killed by entrainment.

The staff also provided the applicant a number of computer runs showing the percentage reduction of the total and nursery population at 8 weekly intervals for Cases 1, 13, 61, and 62 in Table AV-16 of the FES. The results of these computer runs are plotted in Figure V-11 of the FES. The plots indicate the simulation of the distribution of striped bass larvae in the Hudson River with the distribution determined by Rathjen and Miller in 1955, and the Hudson River Fisheries Investigation of 1966 and 1967.

In addition, the applicant was furnished a map showing the region defined for the Middle Atlantic fisheries obtained from the article "The Striped Bass Fishery in the Atlantic States" by T. S. Y. Koo in the Chesapeake Service, Vol. 11 No. 2.

The applicant also received five computer plots of the staff's regression analysis to correlate the Chesapeake catch with the mid-Atlantic Catch for (1) the same year, (2) one year later, (3) two years later, (4) three years later, and (5) four years later.

Sincerely,

Myron Karman
Counsel for AEC Regulatory Staff

cc: Samuel W. Jensch, Esq.
Dr. John C. Geyer
Mr. R. B. Briggs
J. Bruce MacDonald, Esq.
Angus Macbeth, Esq.
Anthony Z. Roisman, Esq.
Honorable William J. Burke
Paul S. Shemin, Esq.
Chairman, Atomic Safety and Licensing Board Panel
Chairman, Atomic Safety and Licensing Appeal Board
Mr. Frank W. Karas