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ATOMIC ENERGY COMMISSION

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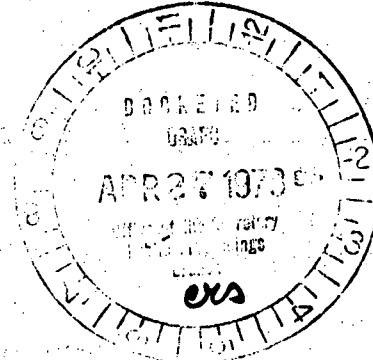
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50-247

APR 20 1973

Docket No. 50-247

Angus Macbeth, Esq.
Counsel for
Hudson River Fishermen's Association
Natural Resources Defense Council, Inc.
15 West 44th Street
New York, New York 10036



Dear Mr. Macbeth:

Please find enclosed the Staff response to your interrogatory
pertaining to the feasibility of a fish hatchery and replacement by
stocking of fish in the Hudson River.

Sincerely,

Myron Karman
Counsel for the Regulatory Staff

Enclosure:
Response to Interrogatory of
Hudson River Fishermen's
Association

cc: Samuel W. Jensch, Esq.
Dr. John C. Geyer
Mr. R. B. Briggs
J. Bruce MacDonald, Esq.
Leonard Trosten, Esq.
Anthony Z. Roisman, Esq.
Honorable George Segnit

Louis J. Lefkowitz, Esq.
Paul S. Shemin, Esq.
Chairman, Atomic Safety and
Licensing Board Panel
Chairman, Atomic Safety and
Licensing Appeal Board
Mr. Frank W. Karas
Mr. William J. Cahill, Jr.

50-847

RESPONSE TO INTERROGATORY OF HUDSON RIVER FISHERMEN'S ASSOCIATION
ON SUPPLEMENTAL STAFF TESTIMONY ON THE FEASIBILITY OF A
FISH HATCHERY AND REPLACEMENT BY STOCKING OF FISH IN THE HUDSON RIVER

- (1) What stock requirements are there for obtaining sufficient spawn to replace Hudson River striped bass taken by the Indian Point 1 and 2 plants?

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Response: Based on the stock used in production of striped bass fingerlings at the Edenton National Fish Hatchery in 1970, it would not be likely that sufficient brood stock could be obtained from the Hudson River to replace striped bass taken by the Indian Point facilities. During 1970, 168.9 pounds of female striped bass were used as brood stock which resulted in 125,726 juvenile striped bass. This is the equivalent of 744 juveniles per pound of female. Assuming a 50% mortality of these fish upon stocking in the Hudson River, the net production per pound of female by the hatchery would be 372 juveniles. Further assuming the hatchery will be required to replace 10 million juvenile fish, the required female stock would be 10 million/372, or 26,900 pounds of females, or approximately 2,700 10 pound adult female striped bass.

Note: The staff is preparing a detailed evaluation of the proposed hatchery production in response to a request by Mr. Briggs