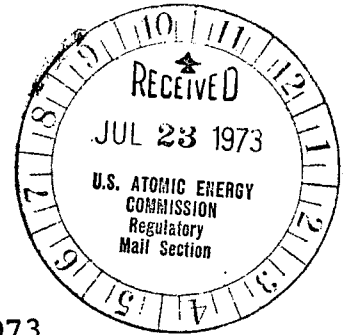


Harry G. Woodbury
Executive Vice President

Regulatory

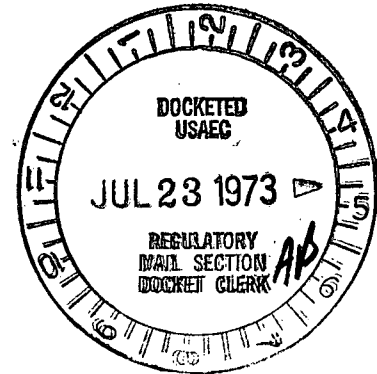
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Consolidated Edison Company of New York, Inc.
4 Irving Place, New York, N Y 10003
Telephone (212) 460-6001



July 16, 1973
Docket 50-286

Mr. George W. Knighton
Chief, Environmental Projects
Branch #1
Directorate of Licensing
United States Atomic Energy Commission
Washington, D. C. 20545



Dear Mr. Knighton:

This letter acknowledges receipt of your July 11, 1973 letter and confirms on our part the July 25-26, 1973 date for the Oak Ridge Math Modeling meeting. We suggest that the sessions of this meeting begin at 10:00 AM on July 25 and 8:00 or 9:00 AM on July 26. The later starting time on July 25 is suggested to accommodate participants who must travel late on the evening of July 24.

Participants for Con Edison will be:

Dr. John Lawler - Q.L.M.
Dr. Robert Norris - Q.L.M.
Dr. Gerald Lauer - N.Y.U.
Dr. Victor Kaczynski - T.I.
Dr. Daniel McKenzie - T.I.
Dr. Thomas Cannon - T.I.
Mr. Ronald Alevras - Con Ed
Mr. Robert Horton - Con Ed
Mr. John Szeligowski - Con Ed.
Miss Joyce Davis - Con Ed
Mr. Harry Voigt - L.L.L.&M

Our previously proposed agenda is still current, however one typographical error in it should be corrected. Item 1.B. should read:

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"Short talk by Dr. John Lawler describing modeling work being done by Q.L.M."

A corrected version of this agenda is attached.

Please contact me to confirm the suggested starting time and inform us where to meet your people on the morning of July 25.

Very truly yours,

William Talbott (William Talbott)
for Harry G. Woodbury
Executive Vice President

RSH/klg

I. Mathematical Modeling

- A. Short talk by Dr. Van Winkle describing modeling work being done at ORNL.
- B. Short talk by Dr. John Lawler describing modeling work being done at Q.L.M.
- C. Discussion on modeling the short term effects of plant operation.
 - 1. biological aspects - egg production; growth; survival; compensation; migration of juveniles to shallows; development of swim capability; standing crop vs productivity; etc.
 - 2. transport aspects - river geometry; flow rates and mixing; time scale to be used; distribution of eggs and larvae with time; segmentation scheme for the river; longitudinal and vertical migration; etc.
 - 3. plant impact parameters - effect of temperature size of fish, intake velocity, intake flow, diurnal migrations, intake avoidance mechanisms, population depletion in the area of intake to plant operation, extent of withdrawal zone and non-uniform concentration of organisms in the river on impingement and entrainment.
- D. Discussion on modeling the long term effects of plant operation (ie. effects on adult populations).

II. Other Topics

- A. Discussion of Compensation in striped bass
 - 1. What data is needed
 - 2. What data is available at present
 - 3. What data will be available in the future

- B. Discussion of contribution of Hudson River to Mid-Atlantic striped bass fishery.
- C. Discussion of modeling entrainment and impingement as functions of temperature, size of fish, population density, distribution, migration, avoidance/guidance mechanisms, etc.

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