Harry G. Woodbury
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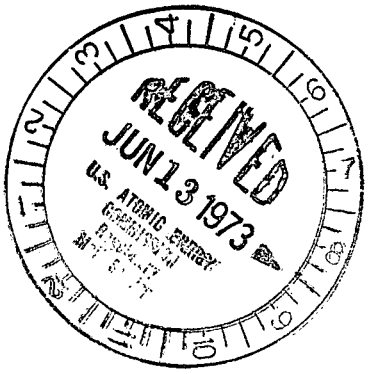
Regulatory File Cy.



Docket No. 50-286

Mr. George Knighton
Chief, Environmental Projects Branch No. 1
Directorate of Licensing
U. S. Atomic Energy Commission
Washington D.C. 20545

Dear Mr. Knighton:

In response to your letter of May 24, 1973, we believe June 28-29, 1973 would be suitable for a two-day meeting at Oak Ridge to discuss math models for the impact of Indian Point plant operation.

Con Edison representatives attending this meeting would include:

Dr. John Lawler, QLM
Dr. Gerald Lauer, NYU
Dr. James McFadden, University of Michigan
Dr. Daniel McKenzie, Texas Instruments
Mr. Ronald Alevras, Con Edison
Mr. Robert Horton, Con Edison
Miss Joyce P. Davis, Con Edison

We will notify you immediately if we find we need to add anyone else to this list.

A proposed agenda is attached. As you can see we propose that Drs. Goodyear and Lawler give short presentations describing their respective models, followed by an open discussion on the topics indicated. All parties present could participate in this open discussion.

We trust that you will find the proposed attendees and agenda suitable. Please advise us if this is so.

Very truly yours,

for William J. Talbott (William J. Talbott)
Harry G. Woodbury

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Proposed Agenda for Meeting of Con Edison/A[redacted] Consultants

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Received w/Ltr Dated

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 ORNL.

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; longitudind 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 (i.e. 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.