

Dockets

FEB 20 1979

MEMORANDUM FOR: George Lear, Chief
 Environmental Specialists Branch, DSE

THRU: Bob Samworth, Section Leader

FROM: Michael Masnik

SUBJECT: TRIP REPORT - OYSTER CREEK JANUARY 23-26, 1979

On the 24th and 25th of January 1979, I accompanied Ed Hawkins, HMB, DSE, to the Oyster Creek/Forked River 316(a) and (b) review meeting held at the Oyster Creek/Forked River Visitors Center, Forked River, N.J. The utilities' purpose in conducting the meeting was to assemble the various state and federal environmental regulatory agencies for an oral presentation of the results of their 316(a) and (b) studies and to answer informally questions pertaining to the environmental studies. Due to the concern expressed by the local municipalities and the Department of Environmental Protection, State of New Jersey, an update of the cooling tower drift modeling effort by the applicant was presented. An agenda of the meeting and a list of attendees is attached.

The meeting presented a detailed discussion of 316(b) related issues with an emphasis on impingement and entrainment. Both the EPA reviewer and I expressed concern about several of their mortality estimates associated with impingement and entrainment. Our opinion was that the estimates were low and that organisms inhabiting the bay were experiencing a higher total mortality than was estimated by the utility's consultants. The consultant recognized our concerns and agreed that the additional sources of mortality identified by us would have significantly altered the estimate of total mortality but insisted that it would not have translated into a significant impact to the bay fishery. Further analysis and monitoring, particularly for the Blue Crab, seems to be needed.

The presentation on cooling tower salt deposition elicited a considerable number of questions from individuals from the State of New Jersey. I was assured by GPU representatives that the most recent analysis was performed using state of the art models and conservative estimates of drift rate and droplet size. I was told that the information is summarized in an application to the State of New Jersey for a variance in the maximum hourly particulate release standard. Discussion, subsequent to the meeting,

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FEB 26 1979

George Lear

- 2 -

between G. Gears and a member of the GPU Services Licensing Division has resulted in a commitment on the part of the utility to send us portions of the application for the variance that will answer our questions on salt deposition.

In discussion with L. Wareham and Barbara Pasterlove, EPA, (technical reviewers for 316(a) and (b) demonstrations for Oyster Creek) I mentioned the recent Yellow Creek Appeal Board decision and alerted them to the possible ramifications of this decision on the continuance of aquatic non-radiological monitoring studies at Oyster Creek.

Both EPA reviewers stated that some additional or different studies would be desirable at the Oyster Creek Station and suggested that the NRC, EPA and the State of New Jersey meet to discuss these monitoring requirements. It is my impression that the EPA reviewers would like the NRC to impose these additional requirements through our Environmental Technical Specifications. Both reviewers expressed concern over the implications of the Yellow Creek Decision, specifically the cessation of biological monitoring. We all agreed that a meeting is necessary to clarify the need or lack of need of continued monitoring and who specifically will require the studies.

Discussions with D. Brown, from the Department of Environmental Protection for the State of New Jersey indicated that the state was interested in relying on the NRC's expertise in the areas of impingement, entrainment and shipworms since the states involvement in the actual examination of the data has been minimal to date. He also expressed interest in meeting with us to discuss in particular future monitoring.

In conversations with members of the EPA Region II staff we have agreed to a meeting at the EPA Regional Office sometime during the week of the 25th of February with representatives from the State of New Jersey in attendance.

On Friday, the 26th of January, I met with E. Hoagland from Lehigh University to discuss her contract with the RES-NRC to monitor shipworm in the vicinity of the Oyster Creek Station. We were joined by F. Swanberg, RES. Discussions dealt with work completed to date, and continued support in FY '80.

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George Lear

- 3 -

FEB 26 1979

E. Hoagland expressed interest in continued funding although on a slightly reduced level. She has agreed to submit a proposal for review within the month. The remainder of the day was spent visiting the sampling stations, examining shipworm damage and inspecting the continuously recording salinometers and temperature probes.

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Michael Masnik
Senior Fisheries Biologist
Environmental Specialists Branch

cc: R. Samworth
R. Gilbert
E. Hawkins
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C. Woodhead, OELD
Docket, G. Gears
ET Rdg
ESB Rdg
M:masnik

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SURNAME	MMasnik	RSamworth			
DATE	2/22/79	2/26/79			

OYSTER CREEK, FORKED RIVER SECTION 316 (a) + (b) HEARING
ACRPL ENERGY SPECTRUM
AGENDA

January 24, 1979

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|-------|---|---|-------|
| I. | Introduction | - Dr. S. Bartnoff
D. Myers
M. Roche | 10:00 |
| II. | Description of plants | - M. Roche | 10:30 |
| III. | Intake Effects | | 11:00 |
| | Introduction | - E. Raney | |
| | Impingement | - G. Miller | |
| | Entrainment | - R. Smith & F. Swiecicki | |
| IV. | Lunch - Oyster Bay | | 12:00 |
| V. | Intake Effects (cont'd) | | 1:30 |
| | Population & Assessment | T. Fatham & D. Thomas | |
| VI. | Additional Studies | - J. Vouglitois
M. Roche | 3:00 |
| VII. | Coffee Break | | 3:30 |
| VIII. | Intake Alternatives | - M. Browne
M. Roche
G. Roome | 3:45 |
| IX. | Reception - Holiday Inn, Toms River | | 6:30 |
| X. | Dinner - Holiday Inn | | 7:30 |
| | J. DeVine - GPUSC
"Forked River Cooling Tower" | | |

Time will be allowed for questions and answers following
each presentation

OSTER CHIEF (POWER PLANT SECTION) STUDY OF THE ENVIRONMENT
ACFEL ENERGY SPECTRUM

PARTICIPANTS

ICHTHYOLOGICAL ASSOCIATES

E. Roney
R. Smith
F. Swiecicki
J. Meldrim
G. Miller
D. Danila

RADIATION MANAGEMENT CORPORATION

D. Thomas
T. Tatham

WILLIAM F. CLAPP LABORATORIES

B. Richards

LAWLER, MATUSKY, AND SKELLY

T. Pease

EBASCO SERVICES, INC.

D. Predpall
H. Katz
D. Holliday

NATIONAL ECONOMIC RESEARCH ASSOCIATES, INC.

T. Fitzgerald

TENTATIVE ATTENDEES

DEPARTMENT OF ENVIRONMENTAL PROTECTION

G. Paulson
J. Zelikson
D. Brown
I. Walker
S. Lubow
R. Smolsky
K. Koschek
E. Londres
D. Barg
P. Hamer
J. Makai
J. Munman

DEPARTMENT OF ENERGY

C. Richman
S. Picco
E. Linky
B. Patel

BOARD OF PUBLIC UTILITIES

R. McGlynn
A. Zarrillo
F. Grygiel
R. Hartung

ENVIRONMENTAL PROTECTION AGENCY

~~H. Lunenfeld~~
B. Pastalove
L. Wareham

NUCLEAR REGULATORY COMMISSION

M. Masnik
E. Hawkins
~~C. Lear~~

DEPARTMENT OF THE PUBLIC ADVOCATE

W. Potter
A. Nardelli

OFFICE OF THE ATTORNEY GENERAL

S. Tasher