

*W. Robert Hill*

AUG 7 1973

Docket No. 50-286

## ENVIRON, FILE (NEPA)

Daniel R. Muller, Assistant Director for Environmental Projects, L  
THRU: G. W. Knighton, Chief, Environmental Projects Branch 1, L

### STATUS OF THE INDIAN POINT UNIT NO. 3 PRELIMINARY DRAFT ENVIRONMENTAL STATEMENT (PDES)

#### I. Preparation of the PDES

On June 25, 1973, I wrote a note to G. W. Knighton about the ORNL effort in preparing the PDES for IP-3. The second incomplete draft of the PDES containing only sections or parts of sections in Chapters I, II, III, IV, and X was received from R. Rush on June 15, 1973. I reviewed this draft and essentially the same comments I made during our review of the first draft on May 22-23, 1973, apply to this second draft. Comments written in the June draft were forwarded to R. Rush the first part of July.

On July 6, 1973, D. Muller and I visited ORNL and we discussed the status of the preparation of the PDES and the schedule of work involved with ORNL. R. Rush and E. Struxness further explained the reasons why the schedule slipped from May 31 to August 10, 1973. These reasons were outlined via letter dated June 14, 1973, from E. Struxness to D. Muller, and are discussed below in regard to the work on biological impact modeling of entrainment of eggs and its effect on adult fish population and on the thermal discharges from all the power plants on the river. Furthermore, several of the team members were tied up with the IP-2 hearings.

I am quite concerned that the PDES will not be in an acceptable form unless ORNL really exerts "around the clock" effort to improve the sections I have already seen. The section in the best condition is Chapter X on the Need for Power. C. M. Carter, a witness for the IP-2 hearings, was responsible for this section.

The ecologists are preparing sections and subsections for Chapter V and Appendices. On July 9, 1973, P. Goodyear started development of a biological modeling of adult striped bass. This subject was brought up at the latter part of the IP-2 hearings. Con Ed presented results of their biological modeling on adult bass in the March and April hearings. According to the letter dated June 14, 1973, from E. Struxness, ORNL feels this work should be done prior to issuance of the PDES.

In addition, multiplant studies on the effects of thermal discharges from all the power plants on the Hudson are being completed. Mr. Siman-Tov also helped to develop the results on this study. The same model was

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adapted to estimate the dispersion of chlorine discharges in the plume and the study included the effect of the thermal plume on the depletion of dissolved oxygen.

W. Van Winkle is preparing much of the written description for Chapter V. Outside of what was presented in the first draft we reviewed, I have not seen any drafts of Chapter V or Appendices.

The other major areas in Chapters V and VI include the radiological source term, radwaste write-up, the radiological dose to man, transportation and accidents. We obtained a revised radwaste write-up from ETSB on June 6, 1973. In April, I prepared and gave to ORNL the sections on transportation and transportation accidents. In June, I received from R. Rush a rough draft copy of the radiological dose to man. This was a very sketchy description and did not include information on man-rem dose from the 0-50 mile ranges nor an evaluation of the radiological environmental monitoring program. I compared the dose value from ORNL with those from RAB used in the Safety Evaluation Report. The major difference is the radioiodine thyroid dose from milk by a factor of about two since ORNL did not use the same X/Q values. RAB used those X/Q values from E. Markee, SSA, and ORNL prepared their own dose model using a different set of meteorological information developed by F. Binford. In the middle of March, I sent ORNL the E. Markee X/Q values which were not used by ORNL since ORNL uses a different computer model. The meteorological data used by ORNL were applied to both doses and estimates of salt deposition from cooling towers. The other major dose differences are a factor of five for the whole body and thyroid dose at the site boundary.

On June 22, 1973, I wrote R. Rush about the differences in the radiological dose values and I also discussed my comments about the deficiencies in the section on the radiological dose to man. RAB has also reviewed this section and commented about the deficiencies. RAB said it would require about 5-6 weeks to prepare an adequate write-up and calculations. In addition, a letter was sent to Con Ed requesting information regarding the radwaste system and radiological monitoring program for IP-3 and IP-1.

Other subsections are in preparation. The important chapters on Cost-Benefit and Alternatives will be completed after Chapter V is done. However, most of the descriptive material and evaluation studies of alternatives has been completed.

On June 22, 1973, R. Rush sent me a schedule of activities to be carried out to meet the date of issuance of the PDES by August 10, 1973. Because of the relative poor status of preparation of an acceptable document and the time spent for the two-day seminar with Con Ed on July 25-26, 1973, I have grave doubts ORNL will be able to meet the August 10, 1973 date.

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II. Summary and Conclusions of PDES

Although the work on the PDES is not completed, I believe we should request from ORNL an early draft of the Summary and Conclusions before the PDES is issued. We want to be sure that this part is adequately supported by the text in the body of the statement. The ORNL team has copies of all the IP-2 Findings of Facts, which should help them in preparing the Summary and Conclusions and the text.

The ASLB Initial Decision for IP-2 will certainly affect the Summary and Conclusions for IP-3. This will be issued about the first part of September.

III. Two-Day Seminar Between Con Ed and ORNL

A two-day seminar on biological impact modeling was arranged for July 25-26, 1973, to be held at ORNL with participants from Con Ed, HRFA, AEC and ORNL. The enclosed agenda dealt with the biological impact parameters, transport, and modeling of the entrained and impinged biota. Both models of juveniles and adult striped bass were discussed. Con Ed is quite anxious to have this meeting and has prepared a detailed agenda for it.

IV. Hearing Activities

On May 21, 1973, a special Pre-Hearing Conference was held for the purpose of identifying the major issues of contentions and concerns which will be discussed in the future hearings. From this, the ASLB ordered to prepare a stipulation for consolidation and cross referencing of the IP-2 hearing testimony into the IP-3 hearing record. On June 7, 1973, Con Ed prepared a draft of the stipulation for comment by the parties. On June 29, 1973, the AEC prepared its comments. Another draft has developed on July 10, 1973, and is now being circulated for comment or agreement.

In this stipulation, discovery and interrogatories of the staff and Con Ed will begin in September and responses will be completed by the end of November. However, regarding the availability of Con Ed's research reports, Con Ed plans to submit its reports "as they become available", and wrote on June 29, 1973, that it will determine what reports, or portions thereof, to include in its evidentiary presentation. We need to be sure we get access to these reports because of the importance of the information collected since this whole case rests on evaluation of such information in advance of the start of the hearing on February 4, 1974.

Con Ed also discusses the availability of the transcripts to the intervenors by saying that transcripts will be available for temporary use,

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Daniel R. Muller

but any copies the intervenors have will have to be immediately available to any member of the public who asks for it when it is in possession of the intervenors.

On July 2, 1973, interrogatories were sent to Con Ed by the intervenors. On July 19, 1973, Con Ed objected to some of the questions, particularly on the Cornwall Project. On May 31, 1973, an Order was granted by FPC denying petitions to reopen the hearings on the Cornwall Project. Thus, the applicant is requesting a protective order from the ASLB to avoid responding to questions on the other power plants on the river.

V. Schedule

A change of schedule was submitted to take into account the request by ORNL to slip the schedule in Struxness' letter of June 14, 1973. The June 22, 1973 schedule of activities by R. Rush indicates a very tight schedule. Mr. O'Leary did not approve the change in schedule. I don't know what can be done about it particularly since the August 10, 1973 date is going to be very difficult to meet.

I have prepared a response to the inaccurate information conveyed in the OPS Impact Analysis on the schedule change. The change had no effect on establishing the date of the ASLB hearing of February 4, 1974. This date was requested by Con Ed primarily because of the timing in completing the 1973 annual report for the ecological studies. Con Ed plans to report its results in the middle of the hearing of February 15, 1974. Thus, it is very important that OGC obtain the monthly reports within 30 days after the field work is done each month. There will be no break to review this material in the middle of the hearing so the AEC staff shall be at a decided disadvantage.

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Original signed by  
M. J. Oestmann

Mary Jane Oestmann, Project Manager  
Environmental Projects Branch 1  
Directorate of Licensing

Enclosure:  
Agenda of Two-Day Seminar  
Between Con Ed and ORNL

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