

ENVIRON

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AUG 1 1972

Docket No. 50-247

Note to G. W. Knighton, Chief, EPB#1, L

JULY 29, 1972 CRITICAL PROJECT REPORT - INDIAN POINT UNIT NO. 2

1. Status - As discussed in my note of July 19, 1972, W. Yee, Team Leader on Indian Point at ORNL, was to deliver the FES draft, which would include comments from ORNL management, on July 26, 1972, to the AEC. W. Yee arrived on that date but did not deliver the FES draft since it had not been approved by ORNL management. Yee expressed the opinion that the ORNL position is to provide a document which can be technically defensible. The hydraulics information has been gathered together by R. Wichner in Section II.E and the thermal modeling review based on a two-layer flow has been presented in Section III. The two-layer flow is similar to the Con Ed's concept of the hydraulics of the river. M. Siman-Tov, another hydrologist at ORNL, has presented the position that anyone large segment of the river may be considered to be more or less uniformly mixed. P. Goodyear, the ecologist, has developed his entrainment model based on the concept of uniform mixing. He has recalculated the percent of entrainment to be about 35% of the fish eggs and larvae passing Indian Point rather than 25%, as originally presented in the DES. This change is based on a change in one of the assumptions used in his model which Con Ed has pointed out in its comments on the DES. The entrainment issue is one of the major contentions we have with Con Ed in terms of the magnitude of the potential damage of the ecosystem which may occur by Indian Point Unit No. 2 operation. P. Goodyear has yet to complete his work on Section V and Appendix V-2 on Entrainment and has to provide input to Section XII on dissolved oxygen and chlorination in response to comments.

2. Schedule - W. Yee is planning to deliver a completed package of the ORNL-approved draft of the FES by August 4, 1972.

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M. J. Oestmann
 Project Manager

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