

JUN 30 1972

ENVIRON, FILE (NEPA)

Docket No. 50-247

Daniel R. Muller, Assistant Director for Environmental Projects, L
THRU: George Knighton, Chief, Projects Branch No. 1, L

INDIAN POINT UNIT NO. 2 - HEARINGS AND MEETING WITH CONSOLIDATED EDISON
OF NEW YORK, INC., ON TECHNICAL SPECIFICATIONS, (DOCKET NO. 50-247)

On June 19 and 20, 1972, hearing sessions were held on Indian Point Unit
No. 2 at the Springvale Inn, Croton-on-Hudson, New York, for the
purpose of cross examination of Consolidated Edison's witnesses for the
100%-full power operation by the intervenors. At the end of the hearing
session, William Yee and members of the ORNL Indian Point Team and I
met with Consolidated Edison Company representatives to discuss the
Technical Specifications for testing up to 50% power.

Conclusions:

1. Cross examination of Consolidated Edison's witnesses made by Angus MacBeth of the Hudson River Fishermen's Association. Intervenors dealt with migration of fish exposed to heated plumes, thermal discharge size and distribution entrainment effects on species other than fish reduction of dissolved oxygen and residual chlorine exposures of biota. Details of the questions and responses are presented in the transcripts.
2. Date when Indian Point Unit No. 2 is ready to go critical has been changed to August 1, 1972 because of machine shavings and other unidentified material present in the primary system. Four control rods were found to be sticking. The fuel rods has been removed from the core and is being inspected for any contamination. The valves of the steam system have been repaired.
3. Consolidated Edison did not agree with the proposed Technical Specifications for testing up to 50% power and will send in its own Technical Specifications upon which we will negotiate what the actual Technical Specifications should be.

A detailed summary of the meeting is attached.

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M. J. Oestmann
Project Manager
Indian Point Unit No. 2

CRESS:#1 MC#221-700 6/29/72	Enclosure: OFFICE Summary of Meeting SURNAME DATE	L:EP#1 MJO OESTMANN:ec 6/29/72			
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SUMMARY OF MEETING ON INDIAN POINT UNIT NO. 2, JUNE 19-20, 1972, AT CROTON-ON-THE-HUDSON, NEW YORK

Items of Discussion

1. The Intervenor, the Hudson River Fishermen's Association, cross examined Consolidated Edison's witnesses primarily on material submitted by the applicant at the April 5, 1972 hearing. The major areas are outlined below:
 - a) E. Rainey of Ichthyological Associates presented a long discussion of the migration and spawning habits of the striped bass and other fish in the Hudson River. He responded to the questions on estimating the fish population of the Hudson River and the population dynamics.
 - b) J. Lawler of Quirk, Lawler, and Matusky also presented a discussion on the dispersion of thermal discharges through the submerged discharge structure and stated that there would be no problem of the thermal discharges in meeting the New York State thermal criteria.
 - c) G. Lauer of the Institute of Environmental Medicine, New York State University, discussed the ecological monitoring program to study the food habits of biota and the problem of entrainment of biota other than fish, such as benthos and planktonic species.
 - d) The applicant's witnesses also discussed the method of measuring residual chlorine and chloramines after chlorination of the condensers by use of amperometric titrations.
2. A representative from Westinghouse (WEDCO) also reported the status of the foreign material present in the core. Four control rods were found sticking. The fuel had been removed from the core and cleaned and is being inspected before being returned to the core. W. Cahill of Consolidated Edison reported that about a "cupful of foreign material" has been found to be the cause of the problem and is now being flushed out of the system. The reactor will not be ready to go critical until about August 1, 1972.
3. On June 19, after the hearings were completed, we met with Consolidated Edison representatives to discuss Technical Specifications. The applicant had several points of disagreement regarding the Technical Specifications for testing up to 50% power. These include (1) the separation

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of Technical Specifications for the 50% testing license and the 100% steady-state operating license; (2) the length of time the Technical Specifications would be effective which is estimated to be 9 months; (3) the question of including any procedures in the Technical Specifications; (4) the question of defining the intake velocity in front of or through the screens; (5) the question of thermal monitoring of the thermal discharges at different tidal flows for different seasons of the year; (6) the types and frequencies of analysis of water quality, including residual chlorine, dissolved oxygen, and other chemicals present in the water; and (7) air quality problem.

The applicant plans to send in its own Technical Specifications for testing up to 50% of power and after receipt we will negotiate what the Technical Specifications will be at a meeting to be held at Bethesda.

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