

*Docket File*

MAR 6 1972

# ENVIRON

G. Knighton, Branch Chief, Projects Branch No. 1, DREP

INDIAN POINT UNIT NO. 2 (DOCKET NO. 50-247) - FISH KILL ON THE HUDSON RIVER

In a telephone conversation with Leo Higgenbottom, Inspector of Region I of the Division of Compliance, an inspection of the fish kill from testing of two pumps of Indian Point Unit No. 2 indicated that the total fish killed was in excess of 150,000 during the past 4-5 days of testing.

At 4:00 p.m. February 29, Consolidated Edison called Compliance Region I office to report that the New York State Department of Environmental Conservation sent an order to halt testing of two pumps. One pump at full flow (140,000 gpm) and a second pump which was being throttled to reduce the flow were being tested over a period of 4-5 days. The pumps lost pressure head from the dead fish collected on the protective screens. About 30,000 to 40,000 white perch/day were being collected as a result. The protective screens were raised to allow cleaning and the small fish (2 inches long) were sucked through the trash racks. The dead fish collected on the traveling screens were disposed of in 55-gallon drums.

The applicant is collecting data for preparation of testimony for a hearing before the New York State Department of Environmental Conservation on March 9, 1972. Reports of tabulation of fish collected on the screens from Unit No. 1, for the period of August 1970 to December 1971, will be given to J. Keppler, CO.

Higgenbottom reported that the applicant has been collecting information on fish kills as follows:

Unit No. 1 - 800 to 1,000 fish per day

Unit Nos. 2 & 3 - 200 to 300 fish per day based on intermittent testing.

On January 6, 1971, 2 pumps on Unit No. 2 were tested and in testing for one to several days 75,000 fish were collected on the screens.

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G. Knighton

To alleviate the problem of fish kill, the applicant is again testing an air bubble screen on the intake of Unit No. 1. Even though early results were not successful, some preliminary evidence now indicates some promise of success.

The applicant has requested for a permit under Section 10 from the Army Corps of Engineers to modify the discharge structure to discharge effluent from 18 feet to 12 feet. No information appears as modification to the plant in the FSAR. Con Ed is apparently bringing to the meeting of March 3 a report on the fish kill and plans on modifications of intake-discharge structure.

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M. J. Oestmann  
Project Leader  
Indian Point

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