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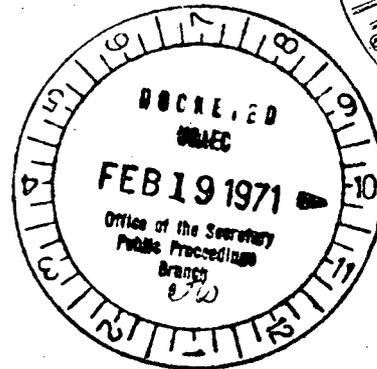
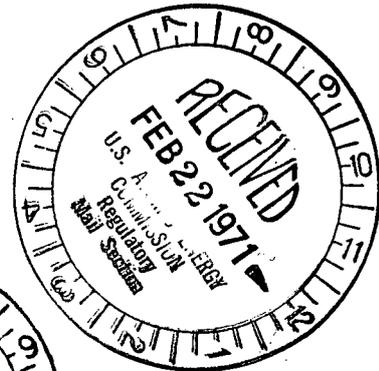
February 17, 1971

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Re: Consolidated Edison Company
of New York, Inc.
Indian Point Station Unit No. 2
AEC Docket No. 50-247

Gentlemen:

This letter transmits answers to the first round of informal questions received by the Applicant from the Hudson River Fishermen's Association. These answers, dated February 16, 1971, were transmitted to Mr. Macbeth on February 16.

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Notwithstanding these answers and others that may be provided in the future, the Applicant reserves the right to interpose such objections as it may have to cross-examination or the offer of any matter into evidence.

Very truly yours,

LEBOEUF, LAMB, LEIDY & MACRAE

By: Leonard M. Trosten
Leonard M. Trosten
Partner

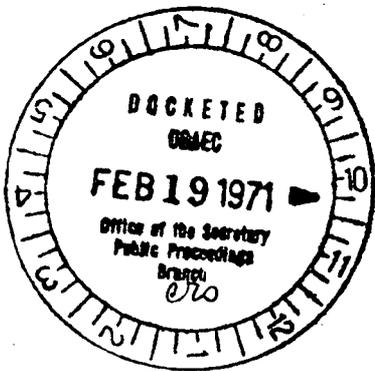
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CONSOLIDATED EDISON COMPANY

OF NEW YORK, INC.

Responses to Round One Questions Supplied
by the Hudson River Fishermens Association on
February 1, 1971.

Dated: February 16, 1971



"ROUND ONE QUESTIONS WITH RESPECT
TO INDIAN POINT NO. 2"

Question No. 1

Question: Describe present environmental monitoring program at Indian Point in detail.

Answer: (See FSAR Question 11.11 Table 11.11-1, and the proposed Technical Specifications, Section 4.10. Also, see "Survey of Environmental Radioactivity in the Vicinity of Indian Point Station" Semi-annual Reports filed in AEC Docket 50-3.)

Question No. 2

- Question: a. Will the record described in FSAR 12.4 be available to the public?
- b. If so, how soon after the entries are made will they be available, and where will they be made available?

Answer: The record described in FSAR 12.4 will be available to the Division of Compliance, Region 1, of the U. S. Atomic Energy Commission. These records will be available to the AEC at Indian Point on an immediate and continuous basis. In addition, the reports referred to in the proposed Technical Specifications, Section 6.6. are available to the public.

Question No. 3

Question: Describe the monitoring system in the discharge lines mentioned in the Summary of Application at 26.

Answer: (See FSAR Section 11.2.3, and Page 11.2-12, Item 1; Page 11.2-13, Item 2; Page 11.2-15, Item 3; Page 11.2-17, Item 7; and Page 11.2-18, Item 8).

Question No. 4

Question: a. Describe as specifically as possible what plans for action exist should the level of radioactive waste in the discharge lines increase above the level ordinarily expected.

b. Describe at what level of waste discharge each type of action would be initiated.

Answer: Plant releases will be maintained as low as practicable and within the limits of 10CFR20, as indicated in Section 3.9 of the proposed Technical Specifications. As stated in Section 4.10 of the same document, the environmental monitoring program will vary depending on the levels of radioactive releases from the plant. (See also Sections 6.2 & 6.3 of the proposed Technical Specifications).

- Question: a. Describe conditions in performance of fuel and plant components and systems which would produce higher liquid effluents than those in the chart occurring at Page 18 of Applicant's Environmental Report - Operating License Stage.
- b. Describe the relation between changes in fuel performance, plant components and systems and increased radioactive effluent in the river.
- c. What is the probability of such conditions occurring?

Answer: Conditions in performance of fuel and plant components and systems which would produce higher liquid effluents than those in the chart at Page 18 of the Environmental Report are primarily dependent upon primary to secondary leakage through the steam generators and amount of fuel leakage. A parametric study of these two factors, which is presented in the answer to Question 11.1 of the FSAR, demonstrates the minimum performance of

fuel and plant components and systems necessary to assure compliance with 10CFR20. It should be emphasized, however, that the analysis presented is designed to evaluate conditions under which release rates would be of the same order as 10CFR20 limits. These release rates and the total curies released are presented in the tables on Pages Q 11.1-17, Q 11.1-18 and Q 11.1-19. They are not expected values. As a matter of fact, while it is theoretically possible to achieve the high plant release rates associated with operation of the plant at 10CFR20 levels, such an event is not a practical probability.

Question No. 6

Question: Describe the administrative procedures which will control the manner in which gaseous and liquid effluents are released.

Answer: The administrative procedures controlling the release of gaseous and liquid effluents are set forth in Sections 3.9 and 6 of the proposed Technical Specifications.

Question No. 7

- Question:
- a. Will any of the solid radioactive wastes be moved by water transport?
 - b. If so, what are the worst results which could occur from an accident during transport?
 - c. What precautions have been taken to avoid such an accident?
 - d. Describe the safety mechanisms involved in 7c.

Answer: No, none of the solid radioactive wastes are expected to be moved by water transport.

Question No. 8

Question: Document the liquid radioactivity discharges as suggested by the Department of Health, Education and Welfare.

Answer: (See FSAR Section 11.1.3). Addition of the data listed in Table 11.1-5 shows that total annual liquid effluent releases of all isotopes exclusive of tritium are estimated to be .0252 curies. This data, when converted into fractions of MPC and added to obtain the total annual fraction of MPC of all isotopes released, documents the statement that estimated liquid effluents will be 0.00002 of maximum permissible concentrations. Conversion of the Table 11.1-5 data to fractions of MPC is illustrated in Table 11.1-6, with a sample computation for the isotope tritium.

Question No. 10

Question: What arrangements have been made to bring to the attention of the public any changes in the current procedures for packaging, transporting and disposing of solid waste from Indian Point?

Answer: The procedures for packaging, transporting and disposing of solid wastes are subject to Federal licensing requirements. No additional arrangements to bring changes in such procedures to the attention of the public have been made.

Question No. 11

Question: Relate the results of any studies produced under the 11th Request for Production to the ordinary and the maximum levels of radio-active discharge from the Indian Point plants.

Answer: (AEC response).

Question No. 12

- Question: a. Have you, your staff, or any of your consultants read the findings and studies of G. G. Polikarpov on radiological effects on fish in the Irish Sea, N.Y. Times, July 1, 1970?
- b. Is any comment, study or report available on the findings of G. G. Polikarpov on the effects of radioactivity in the fish, aquatic life and aquatic vegetation in the Irish Sea?
- c. If such comment, study or report is available, please produce such document.
- d. If known to you, relate the findings of G. G. Polikarpov to the ordinary level and to the maximum level of radioactive discharge expected from the Indian Point plants.

Answer: (AEC response).