UNITED STATES GOVERNMENT

Memorandum

TO : Peter A. Morris, Director
Division of Reactor Licensing

DATE: JUN 6 1968

FROM : Milton Shaw, Director
Division of Reactor Development & Technology

SUBJECT: SAFETY ANALYSIS REPORTS

RDT:NS:S446

Reference is made to letters of March 26, April 19, May 16 and 23, 1968, from Roger S. Boyd, Assistant Director for Reactor Projects, DRL, to the Environmental Science Services Administration requesting comments on the following safety analysis reports, respectively:

Millstone Nuclear Power Station Unit 1
Final Safety Analysis Report
Volumes 1, 2 and 3 dated March 15, 1968

Indian Point Nuclear Generating Unit No. 3
Consolidated Edison Company of New York, Inc.
Preliminary Safety Analysis Report
Exhibit B, Volumes I, II and II, Part B dated April 1968

Oyster Creek Nuclear Station - Unit 2
Jersey Central Power and Light Company
Preliminary Safety Analysis Report
Volumes 1, 2 and 3 dated April 29, 1968

Rancho Seco Nuclear Generating Station Unit No. 1
Sacramento Municipal Utility District
Preliminary Safety Analysis Report
Amendment No. 2 dated April 12, 1968

Review by the Environmental Meteorology Branch, Air Resources Laboratory, ESSA, has now been completed and their comments are attached.

Attachments:
Comments (Orig. & 1 of each)

cc: H. L. Price, Director of Regulation

5010-108

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APPENDIX C
COMMENTS ON

Indian Point Nuclear Generating Unit No. 3
Consolidated Edison Company of New York, Inc.
Preliminary Safety Analysis Report
Fifth Supplement dated November 4, 1968

Prepared by

Air Resources Environmental Laboratory
Environmental Science Services Administration
January 2, 1969

As pointed out in our comments of October 29, 1965 and November 29, 1968 on Unit No. 2, a primary influence on the meteorological statistics of the Indian Point site is its location in a river valley about a mile wide with terrain rising 600 to 1000 feet on either side. Consequently, wind directions follow a pronounced diurnal cycle of unstable (lapse) flow in the upriver direction during the day and stable (inversion) flow in the downriver direction at night. Figure 1.6-1 of Supplement Five, although in terms of average vectors, shows the marked wind reversals at sunset and sunrise and the persistent, channeled flow that occurs during the middle of the night (see the mean direction between 0200 and 0800 hours). The mean speed during this persistent period is about 2.5 m/sec which indicates that 50% of the time inversion speeds could be less than 2.5 m/sec.

In the absence of specific joint-frequency wind speed and direction persistence data from the site, a reasonably conservative meteorological assumption would be to assume a ground release at Unit No. 3 with a 1 m/s wind speed under inversion conditions in a persistent downriver direction for a period of 8 hours.

FROM: Div of Reactor Development & Tech
Wilson, Shaw

TO: Morris

DATE OF DOCUMENT: 1-10-69
DATE RECEIVED: 1-10-69
NO.: 81

LTR. | MEMO: | REPORT: | OTHER: X

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Ltr trans the following ref our ltrs dtd 11-15-68 & 12-30-68....

(1 cy each)

ENCLOSURES:

Comments on Indian Point Unit 3, Con. Ed. ~~XXX~~ 5th Suppl

Comments on Monticello Generating Plant Northern States Power Co. Final Safety Analysis Repts Vol's I thru IV...

Above repts prepared by ESSA, dtd 1-2-69

REFERRED TO	DATE	RECEIVED BY	DATE
P. Howe W/ 2 cys for ACTION	1-10-69		
INFO CYS TO: H.Price & Staff Morris/Schroeder Boyd Levine N. Blunt/Muller W/ orig & 3 cys			

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