

CONSOLIDATED EDISON COMPANY of NEW YORK, INC.  
4 IRVING PLACE, NEW YORK, N. Y., 10003

POWER AUTHORITY of the STATE of NEW YORK  
10 COLUMBUS CIRCLE, NEW YORK, N. Y., 10019

June 5, 1980

Re: Indian Point Unit No. 2  
Docket No. 50-247

Indian Point Unit No. 3  
Docket No. 50-286

Mr. Harold R. Denton, Director  
Office of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

SUBJECT: Report on Zion/Indian Point Near Site Study

Dear Mr. Denton:

The attached report entitled "Mitigation of Severe Accident Study Report Zion and Indian Point Nuclear Units" and prepared by Westinghouse Electric Corporation covers the work performed on behalf of Consolidated Edison, the Power Authority of the State of New York, and Commonwealth Edison Company during the 60 day period of the subject study. The report includes the presentations made to the NRC and ACRS on February 20 and March 5, 1980 respectively, and a brief status description.

The document reports the results of a series of state-of-the-art analyses conducted within the 60 day time frame. It also includes, in some areas, conservative analyses based on existing MARCH work and is not Indian Point site specific. This report is preliminary in nature and does not necessarily represent "firm" technical positions unless such positions are explicitly stated and identified as such in the document. Even where such "firm" technical positions are taken, we acknowledge that they may be subject to revision as a result of our on-going technical work and the information obtained from our joint technology meetings. For example, p(A), the large pipe break probability ( $10^{-4}$ ), is more conservative than that chosen by the NRC ( $10^{-5}$ ) in their April 9, 1980 letter regarding unresolved safety issues (see A-2). In addition, costs reported for the filtered vent containment system are very preliminary in nature and should not even be considered as order of magnitude estimates of installed costs.

It is noted that our containment ultimate capacity evaluations are scheduled for completion in July 1980. A purely judgmental value was employed in the 60 day report, and our current assessment is that this is a conservative value. In support of this conservatism, Sections 4 and 8 clearly show that the steam explosion is not a credible event. Also, the treatment of hydrogen in the 60 day

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report may require substantial refinement for similar reasons. These factors, coupled with other uncertainties, mean that the conclusions in the containment transient analysis area (Section 5) should be considered as preliminary, even though they represent our current best assessment of the plant response to these events.

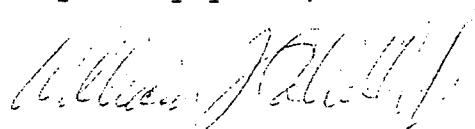
Finally, we previously submitted on May 23, 1980 an edited version of Section 3 covering residual risk assessment. Section 3 is also being supplemented in our on-going work by a more detailed and comprehensive probabilistic risk assessment. While we do not expect substantial differences in sequence ordering, we will employ this more detailed work to analyze both preventative and mitigative features.

We trust that, with these qualifications, this report will be a useful tool for your review efforts in this area. We have attempted to present a balanced, comprehensive analysis given the permitted time frame.

Very truly yours,



Paul J. Early  
Vice President and  
Assist. Chief Engineer  
(Projects)  
Power Authority of the  
State of New York



William J. Cahill, Jr.  
Vice President  
Consolidated Edison Co.  
of New York, Inc.

Attachment

cc: Mr. J. Olshinski  
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