

OCT 20 1971

Peter A. Morris, Director
Division of Reactor Licensing

INDIAN POINT III - DOCKET NO. 50-286 - PRIMARY REACTOR CONTAINMENT

The enclosed is submitted for inclusion in your report to the
ACRS on Indian Point III.

Original signed by
E. G. Case

Edson G. Case, Director
Division of Reactor Standards

Enclosure:
Indian Point III Review

cc w/encl:
S. Hanauer, DR
R. DeYoung, DRL
D. Muller, DRL
C. Hale, DRL

Distribution:

Suppl.
SPB Reading
DR Reading
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bcc: H. Specter
E. Case
M. Rosen

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OFFICE	DRS: SPB <i>H. Specter</i>	DRS: SPB <i>M. Rosen</i>	DRS: SPB <i>EG Case</i>			<i>Attn</i>
SURNAME	HSPECTER: pad	MRosen	EGCase			
DATE	10/19/71	10/19/71	10/16/71			

INDIAN POINT III

PRIMARY REACTOR CONTAINMENT

The Indian Point III primary containment has a free volume of 2.6×10^6 ft.³ and a design pressure of 47 PSIG.

The applicant has investigated various sized breaks and finds that the 6.0 ft.² break results in the highest peak containment pressure. For this sized break, the applicant calculates a peak containment pressure of 39.5 PSIG, or a 19% margin.

An estimate of the Indian Point III containment peak pressure has been made by the staff utilizing the "straight line approach".¹ This simple method predicts a peak containment pressure of 39.2 PSIG.

Based on these values the Indian Point III containment has at least a 10% pressure margin and has an acceptable design pressure.

¹Draft of Safety Guide - "Design Pressure of Dry PWR Containments" -
From H. Specter, SPB, to E. G. Case, DRS, 12/7/70

OFFICE ►						
SURNAME ►						
DATE ►						