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FILE: INCIDENT REPORT

FROM: Carolina Power & Light Co. Raleigh, N.C. 27602 E.E. Utley		DATE OF DOC 12-26-74	DATE REC'D 12-30-74	LTR XX	TWX	RPT	OTHER
TO: Mr. Ec. Case		ORIG 2 signed	CC 37	OTHER	SENT AEC PDR <u>XX</u> SENT LOCAL PDR <u>XX</u>		
CLASS	UNCLASS XXXX	PROP INFO	INPUT	NO CYS REC'D 39	DOCKET NO: 50-261		

DESCRIPTION: Ltr reporting an Unusual Event involving the discovery of an error in the containment volume for the original accident analyses incorporated in the Safety Analysis Report.....

ENCLOSURES:

PLANT NAME: H.B. Robinson Unit. 2

FOR ACTION/INFORMATION

DHL 12-30-74

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Carolina Power & Light Company

December 26, 1974

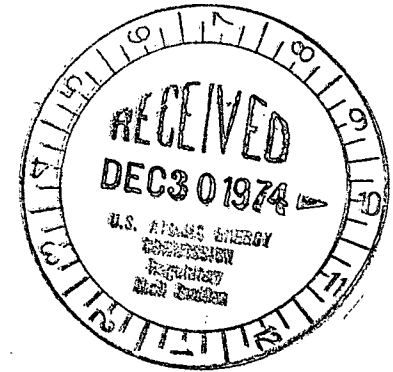
50-261

File: NG-3514 and NG-3513 (R)

Serial: NG-74-1527

Mr. Norman C. Moseley, Director
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Mr. Edson G. Case, Acting Director
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Office of Regulation
U. S. Atomic Energy Commission
Washington, D. C. 20545



Dear Sirs:

H. B. ROBINSON UNIT NO. 2
LICENSE DPR-23
UNUSUAL EVENT REPORT - CONTAINMENT VOLUME

In accordance with Section 6.6.2.b.1 of the H. B. Robinson Unit No. 2 Technical Specifications, Carolina Power & Light Company reports the following item as an unusual event involving the discovery of an error in the containment volume assumed for the original accident analyses incorporated in the Safety Analysis Report.

In response to your letter of November 4, 1974, in which you requested certain information pertinent to your review of the Westinghouse ECCS evaluation model, we requested Ebasco Services, the original designer of the Robinson containment vessel, to provide the required information pertinent to the gross and net free internal volumes of the containment for our submittal to the AEC. In developing their response, Ebasco discovered that the calculated minimum value for containment net free volume was $1.95 \times 10^6 \text{ ft}^3$, as opposed to a value of $2.1 \times 10^6 \text{ ft}^3$ used in the Robinson FSAR and the recently submitted Appendix K ECCS Analysis. This discrepancy was reported to Carolina Power & Light Company by telephone conversation on November 25, 1974. Westinghouse Electric Corporation was then contacted and requested by Carolina Power & Light Company to assess the impact of the change in net free volume on the pertinent accident and transient analyses. As reported in our letter of December 4, 1974, to Mr. Lear, they concluded that the smaller volume would result in a higher containment pressure throughout the ECCS transient, and thus be conservative for that analysis. In addition, a reanalysis to determine the peak containment pressure was performed in accord with the analysis presented in Section 14.3.4 of the FSAR. This reanalysis showed that the 37.8 psig LOCA peak pressure value reported in

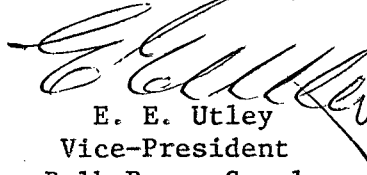
Mr. Moseley and Mr. Case

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December 26, 1974

the FSAR would increase by about 2 psi to a value of 40 psig as a result of the change in containment net free volume. Thus there is still available a 5% margin to the containment design pressure of 42 psig. It is concluded as a result of these analyses and evaluations that the error in the reported value of containment net free volume did not nor will not result in an increased risk to the health and safety of the public.

Yours very truly,


E. E. Utley
Vice-President
Bulk Power Supply

DBW:mvp

cc: Messrs. N. B. Bessac
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W. B. Howell
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