

THE CINCINNATI GAS & ELECTRIC COMPANY



CINCINNATI, OHIO 45201

November 8, 1983
LOZ-83-0214

J. WILLIAMS, JR
SENIOR VICE PRESIDENT
NUCLEAR OPERATIONS

Docket No. 50-358

U.S. Nuclear Regulatory Commission
Region III
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Attention: Mr. J.G. Keppler
Regional Administrator

Gentlemen:

RE: WM. H. ZIMMER NUCLEAR POWER STATION - UNIT 1
10CFR50.55(e), ITEM S-17, MAIN STEAM LINE BREAK
ANALYSIS
W.O. 57300, JOB E-5590, FILE NO. 956C, S-17

This letter constitutes an interim report concerning the subject condition initially reported to the Commission on October 20, 1983 as a potentially reportable deficiency under the requirements of 10CFR50.55(e).

It was assumed in the Final Safety Analysis Report, Appendix D, Analysis of Effects of High-Energy Line Breaks (HELB) Outside the Primary Containment, "that the ventilation duct which exists from the pipe tunnel (steam tunnel) and passes through the Auxiliary Building (AB) ruptures at time zero, thus opening a flowpath to the Auxiliary Building." In October, 1983 Sargent & Lundy (S&L) informed CG&E that preliminary results of additional HELB analysis indicated that during a HELB, pressures released to the steam tunnel and ultimately to the AB would create a pressure differential above that which is acceptable for masonry walls in the AB. Failure of these masonry walls (i.e. by falling) could jeopardize safety related equipment mounted on or near them. This preliminary advice from S&L was the basis for identifying this potentially reportable deficiency.

CG&E has since been notified by S&L that refinement of the analysis now shows that the pressure differential in the AB resulting from a HELB will not be unacceptable for the masonry walls and will not jeopardize any safety related equipment.

CG&E will review the S&L calculations to determine their acceptability and will submit a final report by January 16, 1984.

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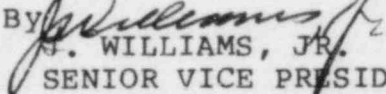
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We trust the above will be found acceptable as an interim report under 10CFR50.55(e).

Very truly yours,

THE CINCINNATI GAS & ELECTRIC COMPANY

By 
J. WILLIAMS, JR.
SENIOR VICE PRESIDENT

DJS/sfr

cc: NRC Office of Inspection & Enforcement
Washington, D.C. 20555
NRC Resident Site Supervisor
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