

THE CINCINNATI GAS & ELECTRIC COMPANY



E. A. BORGMANN
VICE PRESIDENT

January 12, 1981
QA-1383

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

Attention: Mr. James G. Keppler, Director

RE: WM. H. ZIMMER NUCLEAR POWER STATION - UNIT I
POTENTIAL 50.55(e) - ONE-INCH DIAMETER HILTI
KWIK-BOLT ANCHORS (M-26) - DOCKET NO. 50-358,
CONSTRUCTION PERMIT CPPR-88, W.O. #57300-957,
JOB E-5590

Gentlemen:

This letter constitutes an interim report on the subject anchors.

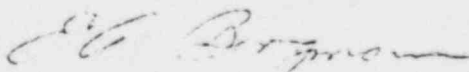
Our architect-engineer has reviewed the use of 1" diameter Hilti anchors at the Zimmer Site. As a result of this review, we have determined that there is not a significant problem based on the fact that the Hilti anchors, for the majority of the applications at Zimmer, have utilized a $4\frac{1}{2}D$ embedded depth. Hilti has not revised the ultimate loads for the $4\frac{1}{2}D$ embedded depth anchors. Only 1" diameter anchors with $6D$ embedded depth and greater have noted a reduction in the ultimate capacity.

A total of 44 supports have been identified by our architect-engineer as utilizing 1" \emptyset expansion anchors with embedded lengths of $8D$. These supports are being reviewed to determine whether the design for these supports is impacted by the change in Hilti criteria. We anticipate this review to be completed by mid March, 1981. Our final report to your office will be by March 31, 1981.

We trust that this report provides sufficient information for your analysis and evaluation.

Very truly yours,

THE CINCINNATI GAS & ELECTRIC COMPANY

By 
E. A. BORGMANN
SENIOR VICE PRESIDENT

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DCK:pa
cc: F. T. Daniels
NRC Resident Inspector

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