

File

THE CINCINNATI GAS & ELECTRIC COMPANY



CINCINNATI, OHIO 45201

August 19, 1982  
QA-1949

E. A. BORGMANN  
SENIOR VICE PRESIDENT

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

Attention: Mr. J. G. Keppler  
Regional Administrator

RE: WM. H. ZIMMER NUCLEAR POWER STATION UNIT I  
10CFR50.55(e) - ITEM S-1 - SWPS INTAKE FLUME  
CONNECTIONS - DOCKET NO. 50-358, CONSTRUCTION  
PERMIT NO. CPPR-88, W.O. #57300 JOB E-5590  
FILE NO. NRC-9, S-1

Gentlemen:

This letter constitutes a final report concerning the subject deficiency originally reported to the Commission under the requirements of 10CFR50.55(e).

As stated in our previous report, QA-1820, dated June 16, 1982, the as-built weld connections of the two horizontal sheet piling walers at the 506' 5 1/2" elevation to the embedded plates on the Service Water Pump Structure were not installed in accordance with the design drawings. The installed connection provided a one-sided clip angle connection rather than the concentric two-sided connection as detailed on the drawings. Since the connection transfers both shear and tensile loads, an eccentricity was created during any lateral loading of the sheet piling. The construction tolerances in driving the sheet piling necessitated the waler on the south side to be installed with a slight offset from the center of the embedment plate. This offset created additional eccentricity on the connecting joint.

Further investigation revealed similar irregularities at the intermediate and lower elevation connections (Elevations 478' and 458').

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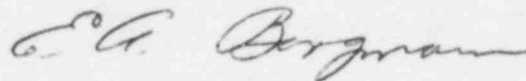
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A total of five (5) connections required repair to improve the design integrity of the connections and one will be reworked. Presently, work has been completed on all but one of the six connections. Completion was scheduled for August 1, 1982, however, because of delays associated with ongoing bracing installation in the flume, the scheduled completion date is October 31, 1982.

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

Very truly yours,

THE CINCINNATI GAS & ELECTRIC COMPANY

By   
E. A. BORGMANN  
SENIOR VICE PRESIDENT

FKP:as  
cc: NRC Office of Inspection & Enforcement  
Washington, D.C. 20555  
NRC Senior Resident Inspector  
Attn: W. F. Christianson  
Zimmer Project Inspector  
Region III