



**PUBLIC  
SERVICE  
INDIANA**

S. W. Shields  
Senior Vice President -  
Nuclear Division

May 9, 1983  
S82-21  
SVP-0091-83

Mr. James G. Keppler,  
Regional Administrator  
U. S. Nuclear Regulatory Commission  
Region III  
799 Roosevelt Road  
Glen Ellyn, Illinois 60137

Docket Nos.: STN 50-546  
STN 50-547  
Construction Permit Nos.:  
CPPR - 170  
CPPR - 171

Marble Hill Nuclear Generating Station - Units 1 and 2

Dear Mr. Keppler:

On August 18, 1982, Mr. T. D. Geib of Public Service Company of Indiana, Inc. (PSI) notified your office of a potentially reportable item as required by 10 CFR 50.55(e). This problem involves embedded plates in the primary shield wall having deformed wire anchors missing or the welds between the plate and anchor being cracked. These plates had been installed prior to the cessation of safety related work in August, 1979.

Tests performed by an independent laboratory to determine the failure mode of the cracked welds have been completed and the results analyzed. The results of these tests indicate that an axial tensile stress applied to the welds was the primary cause of failure. PSI is now working to determine the source of the stress.

This letter is intended to fulfill the requirements of an interim report as defined in 10 CFR 50.55(e). A further report will be filed on or before September 2, 1983. If you have any questions regarding this matter, please contact me at your convenience.

Sincerely,

  
S. W. Shields

SWS/LGY/bak

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Letter: J. G. Keppler

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cc: Director of Inspection and Enforcement  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

J. E. Konklin  
J. F. Schapker