



**PUBLIC  
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S. W. Shields  
Senior Vice President -  
Nuclear Division

May 31, 1983  
S83-24  
SVP-0096-83

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

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

Marble Hill Nuclear Generating Station - Units 1 and 2

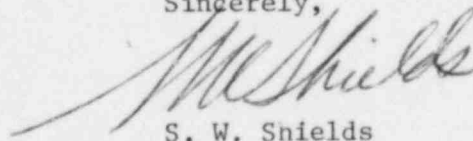
Dear Mr. Keppler:

On May 3, 1983, Mr. L. G. Yeager of Public Service Company of Indiana, Inc. (PSI) notified your office of a potentially reportable item as required by 10 CFR 50.55(e). In an attempt to straighten a box beam in Unit 2 containment, Marble Hill's civil contractor mechanically cracked the embedded plate that the box beam was attached to. After removal of the box beam other cracks were discovered in the lug to embedded plate welds. A reinspection of similar lug to embedded plate welds also revealed some cracking. The subject embedded plates and box beams act as part of the structural support network for safety related piping systems.

PSI engineering personnel determined that the weld cracking was due to the welding method being used. Alternative welding methods were investigated and thoroughly tested. One method has been found to be acceptable and the civil contractor has been released to work in accordance with this new method. Another method is currently being tested and if the results are acceptable the contractor will also be allowed to use it. All similar welds on embedded plates in Unit 2 containment done to the superseded method have been removed and the areas will be rewelded using a PSI approved method, as mentioned above.

This letter is intended to fulfill the requirements of a final report as required by 10 CFR 50.55(e). If you have any questions regarding this matter, please contact me at your convenience.

Sincerely,

  
S. W. Shields

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P. O. Box 190, New Washington, Indiana 47162

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Letter: J. G. Keppler

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May 31, 1983  
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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