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August 15, 1984
EF2-69665

JMB

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

Dear Mr. Keppler:

Reference: (1) Fermi 2
NRC Docket No. 50-341
(2) Letter, D. A. Wells to J. G. Keppler,
February 23, 1984, QA-84-0086
Subject: Final Report of 10CFR50.55(e) Item 113
"Linear Indications in Seams of ASTM
A500 Grade B Tube Steel"

This is Detroit Edison's final report concerning linear indications in the seams of ASTM A500 Grade B tube steel. Item 113 was originally reported as a potential deficiency on January 23, 1984, and was subsequently documented in Reference (2).

Description of Deficiency

During a support fabrication inspection by Detroit Edison's Project Quality Assurance personnel, linear indications were discovered in ASTM Grade B (2"x2"x1/4") tube steel (Heat No. All714) which was supplied by U.S. Steel Co. Similar indications were found in approximately 60 linear feet of the 200 feet ordered. The cracks in the tube steel were at the seam weld. Field Engineering determined that linear indications were due to a lack of fusion during the welding process. The tube still is used in the fabrication of cable tray hangers and conduit supports.

Analysis of Safety Implications

The presence of this deficiency in the tube steel material affects the continuity of the tube steel member at the seam. The design properties of the tube steel member are altered and the structures utilizing this material may be overstressed.

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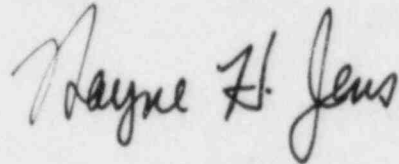
Corrective Action

The following actions were taken to correct this deficiency and prevent recurrence:

- o Supports fabricated from the affected tube steel have been identified and are being replaced.
- o Deficient tube steel that has not been installed was segregated from acceptable tube steel in the fabrication shop.
- o Receipt inspection of tube steel requires a visual inspection of the seam welds.

This is Detroit Edison's final report on this item. If you have questions concerning this matter, please contact Mr. Lewis P. Bregni, (313) 586-5083.

Sincerely,



cc: Mr. P. M. Byron
Mr. R. C. DeYoung
Mr. R. C. Knop