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DMB

August 9, 1984
EF2-69285

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,
April 30, 1982, EF2-58066

3) Letter, D. A. Wells to J. G. Keppler,
August 27, 1982, EF2-59392

Subject: Final Report of 10CFR50.55(e) Item 66
"Core Spray Pump Motor Damage"

This is Detroit Edison's final report concerning Item 66, "Core Spray Pump Motor Damage". This item was originally reported as a potential 10CFR50.55(e) deficiency in April, 1982. Additional information was provided in References (2) and (3).

Description of Deficiency

A gouge on the core spray pump motor (E21-01-C001) shaft was identified while the motor was being prepared for installation. An investigation concluded the damage was caused by handling equipment (fork lift). Because of the potential for internal damage, Detroit Edison shipped the motor to a General Electric repair shop for evaluation and repair. This inspection revealed that the shaft was bent approximately .011 inches and that there was damage to both the thrust and guide bearings.

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Analysis of Safety Implications

If left uncorrected, this deficiency could have resulted in the failure of one of the four (4) core spray pumps. The core spray system, composed of two independent trains, is part of the emergency core cooling system.

Corrective Action

All damaged parts in the core spray pump motor were replaced and the motor was inspected and tested by the vendor, General Electric Company. The repair documentation was accepted in accordance with Detroit Edison's Quality Assurance Program and the motor was returned to site and installed.

Detroit Edison's quality assurance program provides measures for the protection of equipment during handling and storage, and appropriate inspections ensure the quality of equipment to be installed.

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

Sincerely,

Dayne H. Jens

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