

DmB

Wayne H. Jens  
Vice President  
Nuclear Operations



Fermi-2  
6400 North Dixie Highway  
Newport, Michigan 48166  
(313) 586-4150

July 5, 1984  
EF2-69275

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,  
December 5, 1983, EF2-66483

Subject: Final Evaluation of 10CFR50.55(e) Item 106,  
"Reactor Building Crane Problems"

Detroit Edison has completed its investigation of Item 106, "Reactor Building Crane Problems" and has determined the deficiency is not reportable under 10CFR50.55(e). The failure of the reactor building crane to operate was due to the improper phase sequence of the power supply to one of the crane hoist motors. This resulted in the tandem crane hoist motors working in opposition. The cause of this deficiency was poor work practices by two different Startup group electricians involved in testing the thermal overload trips on this motor.

Detroit Edison concluded this item was not reportable because:

- 1) The structure and the load retaining parts of the crane are safety-related. The crane hoist motors are not load bearing components. Failure of the hoist motors does not affect the safe operation of the plant.

8407250482 840705  
PDR ADOCK 05000341  
S PDR

IE27 1/0  
JUL 16 1984

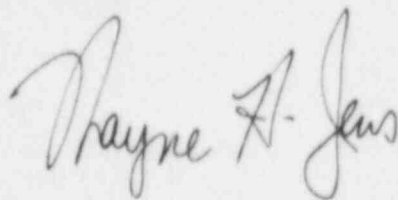
Mr. James G. Keppler  
July 5, 1984  
EF2-69275  
Page 2

- 2) The motor failure was the result of the following personnel errors:
  - a. The electrician who de-terminated the hoist motor did not tag the leads to show phase sequence.
  - b. The second electrician who re-terminated the hoist motor leads made the connections based on the design drawing without referencing the As Built-Electrical (ABE) marked on the drawing. This ABE showed the phase sequence reversed from the design drawing.
  - c. No operational test was conducted after the leads were re-terminated.

Corrective Actions for these errors are identified and tracked on Incident Report 83-12C.

Based on the results of this investigation, Detroit Edison requests closure of 10CFR50.55(e), Item 106, "Reactor Building Crane Problems". If you have questions concerning this matter, please contact Mr. Lewis P. Bregni at (313) 586-5083.

Sincerely,



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