

Wayne H. Jens
Vice President
Nuclear Operations

DmB

**Detroit
Edison**

Fermi 2
8400 North Dixie Highway
Newport, Michigan 48166
(313) 586-4150

July 16, 1984
EF2-69287

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

Dear Mr. Keppler:

Reference: Fermi 2
NRC Docket No. 50-341

Subject: Interim Report of 10CFR50.55(e) Item 129
"Lack of Design Calculations for HVAC Duct
Supports"

On June 14, 1984, Detroit Edison's Mr. L. P. Bregni, Engineering-Licensing, telephoned Mr. R. C. Knop of NRC Region III to report a potential deficiency concerning missing design calculations for safety-related HVAC system ductwork supports.

Description of Deficiency

During the Reactor Building "as-built" structural loading assessment, Detroit Edison discovered that the design calculations for safety-related ductwork supports were missing. Safety-related ductwork design, fabrication and installation was contracted by Detroit Edison to the Robert Irsay Company of Chicago, Illinois. Seismic qualification design for the ductwork and structural design for the supports was done for Irsay by the Fluor-Pioneer Company, an Architect/Engineer firm from Chicago, Illinois. Detroit Edison has been advised by Fluor-Pioneer that detailed design calculations were made for the HVAC system ductwork and supports.

Detroit Edison has found at least one HVAC support design that does not meet the rigid support assumption used in the ductwork seismic analysis. This finding makes the seismic qualification of the safety-related HVAC system indeterminate at this time.

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Mr. James G. Keppler
July 16, 1984
EF2-69287
Page 2

Analysis of Safety Implications

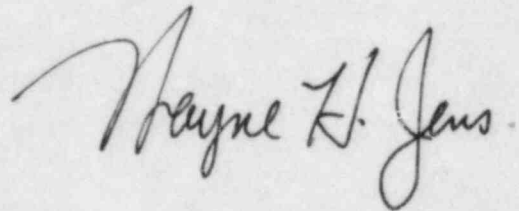
The HVAC system supports could fail during a seismic event resulting in the loss or impaired operation of safety-related HVAC systems.

Corrective Action

To resolve this issue, Detroit Edison will reanalyze the affected safety-related HVAC ductwork supports. This analysis will assure the structural adequacy of the ductwork. The results of this reanalysis will be included in the final report on this item.

Another report on this item, either interim or final, will be sent to you when further information is available. If you have questions concerning this matter, please contact Mr. Lewis P. Bregni, (313) 586-5083.

Sincerely,

A handwritten signature in dark ink, appearing to read "Wayne H. Jones". The signature is fluid and cursive, with the first name "Wayne" being the most prominent.

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