

DmB

Wayne H. Jens
Vice President
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**Detroit
Edison**

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November 30, 1984
EF2-70220

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 29, 1984, QA-84-326
(3) Letter, W. H. Jens to J. G. Keppler,
August 23, 1984, EF2-69698.

Subject: Amended Report of 10CFR50.55(e), Item 116
"Potential Design Deficiency Allowing
Freezing of Buried Piping Systems"

This letter amends Reference 3, Detroit Edison's final report of 10CFR50.55(e), Item 116, "Potential Design Deficiency Allowing Freezing of Buried Piping Systems". As stated in Reference 3, sections of the fire protection supply lines to the Residual Heat Removal Complex could be subjected to freezing temperatures. The concrete walls in which these pipes are embedded do not provide sufficient protection during severe cold weather. Detroit Edison stated that design efforts were in progress to reroute these pipes to provide protection from cold weather.

During the design process, it was determined that adequate protection from freezing could be provided by adding insulation to the outside of the wall in which the pipes are embedded. Therefore, insulation will be added, and the affected pipes will not be rerouted.

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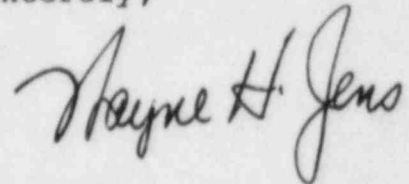
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To verify the effectiveness of this solution, instrumentation will be installed to allow monitoring of the temperature between the outside wall and the new insulation. The inside wall is exposed to the RHR reservoir and the air space above the reservoir and below the Emergency Diesel Generator Room. The reservoir, which was frozen when the affected pipes were frozen, is normally maintained at a temperature greater than 43°F. The air space temperature will also be monitored. The data collected during the 1984/1985 Winter will be used to validate calculation assumptions and determine if the added insulation will be sufficient during an abnormally severe winter.

During the 1984/1985 Winter, while the effectiveness of the insulation is being evaluated, a continuous flow at a rate sufficient to prevent freezing will be maintained in both of the affected pipes.

If you have any questions concerning this matter, please contact Mr. Lewis Bregni, (313) 586-5083.

Sincerely,

A handwritten signature in dark ink, appearing to read "Wayne H. Jens". The signature is fluid and cursive, with the first name "Wayne" being more prominent and the last name "Jens" following in a similar style.

cc: Mr. P. M. Byron
Mr. R. C. DeYoung
Mr. R. C. Knop
USNRC Document Control Desk
Washington, D.C. 20555