

Wayne H. Jens  
Vice President  
Nuclear Operations



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July 24, 1984  
EF2-69660

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: Final Report of 10CFR50.55(e) Item 130  
"As-Built Deviation for the Main Steam  
Pipe Deflection Clearance"

On June 26, 1984, Detroit Edison's Mr. L. P. Bregni, Engineer-Licensing, telephoned Mr. P. Pelke of NRC Region III, to report a potential deficiency concerning insufficient clearance between main steam lines and the containment wall.

Description of Deficiency

As part of the inside containment pipe break reevaluation it was discovered that three of the four main steam line "as-built" clearances were insufficient to allow for the predicted pipe deflection during a postulated main steam line break at the reactor nozzle. The available clearance between the pipe elbow surfaces and the primary containment shell was less than the predicted pipe deflection during the postulated pipe break.

Analysis of Safety Implications

The installed main steam line pipe whip restraints would not prevent main steam line impingement of the containment wall during the postulated main steam line break. Main steam line impingement onto the containment wall during a postulated main steam line break may affect containment integrity during this type of loss of coolant accident.

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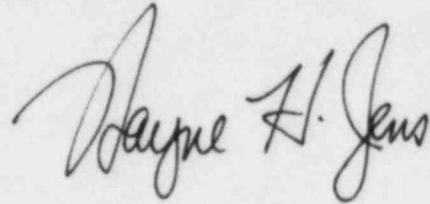
Corrective Action

Detroit Edison is currently implementing a design modification to the pipe whip restraints which will alleviate concerns about main steam line impingement on the containment wall. This modification will reduce the gap between each main steam line and its pipe whip restraint. By reducing this gap, main steam line deflection is reduced to within the available clearance with the containment wall.

The purpose of the pipe break reevaluation was to reconcile the "as-built" plant with the previous pipe break analysis.

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,

A handwritten signature in cursive script, appearing to read "Wayne H. Jones".

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