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October 15, 1984  
EF2-70031

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 139  
"Deficient Shop Weld in a Flued Head Structure"

On September 24, 1984, Detroit Edison's Mr. L. P. Bregni, Engineer-Licensing, telephoned Mr. F. Jablonski of NRC Region III to report a deficient shop weld in a flued head structure. This deficiency is potentially reportable under 10CFR50.55(e) and is being tracked as item 139.

#### Description of Deficiency

During the investigation of 10CFR50.55(e) Item 100, "Unacceptable Contractor Practices Regarding Ultrasonic Testing," Detroit Edison determined that a problem regarding a deficient shop weld on a flued head structure should be reported under 10CFR50.55(e) as a separate potential deficiency.

The shop weld had been inadvertently tested during ultrasonic testing of field welds on the flued head structures. This test indicated that the weld was unacceptable although the weld had been tested and accepted by the manufacturer, Schreiber Steel, prior to delivery to Fermi 2. This deficiency was documented in a Deviation Disposition Request DDR (W)12290. The weld was repaired and retested successfully. The DDR used to document this deficiency did not address whether other welds from this manufacturer should be evaluated for similar deficiencies.

#### Analysis of Safety Implications

A defective weld in a flued head structure could make the structural integrity of the flued head indeterminate.

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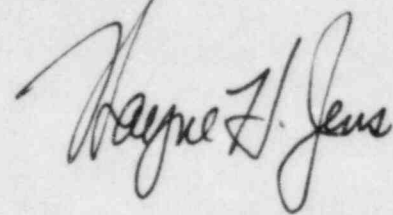
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Corrective Action

Investigation of deficient shop welds is continuing. A sample of shop welds in flued head structures is being ultrasonically tested. Corrective action will be based on an evaluation of the results of the testing.

Detroit Edison will provide another report on this item, either interim or final, when further information is available. If you have questions concerning this matter, please contact Mr. Lewis Bregni, (313) 586-5083.

Sincerely,

A handwritten signature in cursive script, appearing to read "Wayne F. Jones". The signature is written in dark ink and is positioned to the right of the typed name "Wayne F. Jones".

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