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September 9, 1982  
EF2-59393

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

Subject: Interim Report of 10CFR50.55(e) Item on 1" 3000# Carbon Steel  
Pipe Couplings and 1" 3000# Pipe Caps (#77)

Dear Mr. Keppler:

On August 10, 1982, Project Quality Assurance's Mr. E.L. Thompson, Acting Supervisor-Construction Quality Assurance, telephoned Mr. J. Konklin of NRC Region III, to report on a problem with 1 inch diameter, 3000 PSI pipe couplings at the Fermi 2 site.

This item deals with twelve (12) rejectable couplings from a sample of twenty (20) located in the warehouse. The couplings were manufactured by Capital Manufacturing Company and carry Heat Code Number 0680. Linear indications were observed visually, and confirmed by liquid penetrant examination (PT). Seventy-seven (77) couplings have been issued for installation. Investigation is being conducted to locate where these suspected couplings were installed so that visual inspection and PT (if necessary) can be performed. Unused couplings are to be returned to the manufacturer.

Also, during preliminary investigation, twenty-five (25) caps were examined and were found rejectable by liquid penetrant testing. These caps were also manufactured by Capital Manufacturing Company and carry the same heat number as the couplings. Of the 84 remaining caps, it is probable that an indeterminate amount was installed in non-ASME, non QA I systems, which would prevent accounting for all 84 caps. The investigation is continuing.

Contractor document review verifies the heat number of each QA I and/or ASME piece of material via the heat number card file. The card for this heat number (0680) has been annotated "REJECT" to identify to the document reviewers in the future that this material is nonconforming to prevent release for construction.

Another report on this item, either interim or final, is scheduled to be sent to you on or before January 7, 1982. If you have questions concerning this matter, please contact Mr. G.M. Trahey, Assistant Director-Project Quality Assurance.

Very truly yours,

DAW/DF/cp

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cc: Mr. Richard DeYoung, Director  
Office of Inspection and Enforcement  
Division of Reactor Inspection Programs  
Washington, D.C. 20555

Mr. Bruce Little, Resident Inspector  
U.S. Nuclear Regulatory Commission  
6450 North Dixie Highway  
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