

**Detroit  
Edison**

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50-341

April 4, 1983  
EF2-62618

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

Subject: Report of Potential 10CFR50.55(e) Item on Possible ITE Circuit  
Breaker Failures (#87)

Dear Mr. Keppler:

On March 4, 1983, Detroit Edison's Mr. D. Ferencz, Acting Supervisor - Construction Quality Assurance telephoned Mr. P. Pelke of NRC Region III to report on a potential problem with ITE Circuit Breaker failures at the Fermi 2 site.

A memo was received from the NRC, and described a potential problem with Brown Boveri Electric, Inc. (formerly ITE) low voltage circuit breakers. The problem involves a defective capacitor in the trip circuit which, upon failure, prevents the circuit breaker from opening during an overcurrent condition.

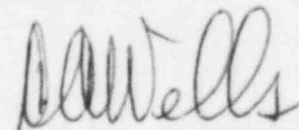
The Edison Startup Organization has completed a survey of all solid state trip devices in the 480V switchgear at Fermi 2. The survey found 130 of these devices equipped with a Type 40D capacitor. This capacitor has been found to degrade over time.

The failure of this capacitor, and in turn the trip device, can result in the failure of a breaker to interrupt a fault. It has, therefore, been determined that the capacitor will be replaced in all 130 devices.

The details of this action and the expected completion date have not yet been determined.

Another report on this item, either interim or final, will be sent when further information is available. If you have questions concerning this matter, please contact Mr. G.M. Trahey, Assistant Director - Project Quality Assurance.

Very truly yours,



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cc: Mr. Richard DeYoung, Director  
Office of Inspection and Enforcement  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Mr. Bruce Little, Senior Resident Inspector  
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