

DMB

**Detroit
Edison**

Donald A. Wells
Manager-Quality Assurance
(313) 237-9657

2000 Second Avenue
Detroit, Michigan 48226
(313) 237-8000

December 16, 1983
EF2-66484

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 Possible ITE Circuit
Breaker Failures (#87)

Dear Mr. Keppler:

This interim report involving ITE circuit breaker failures has been prepared to provide the current status of this problem.

This item was originally reported to Mr. P. Pelke of NRC Region III by Detroit Edison's Mr. D. Ferencz, Acting Supervisor - Construction Quality Assurance on March 4, 1983.

A memorandum received from the NRC, concerning Brown Boveri Electric, Inc. (formerly ITE) low voltage circuit breakers, described a problem involving a defective capacitor in the trip circuit which, upon failure, prevents the breaker from opening during an overcurrent condition. The failure of this capacitor and the trip device can result in failure to interrupt a fault.

Detroit Edison has received the replacement solid state trip devices from Brown Boveri Electric, Inc. A Field Modification Request has been issued to enable field personnel to work on these replacements. Of the one hundred thirty (130) devices equipped with a type 40D capacitor, it has been determined by Electrical Engineering that seventy-three (73) devices in QA Level I switchgear and fifty-seven (57) in QA Level II gear must be modified to remove the defective capacitor. It is anticipated that the work on QA Level I will be completed by December 31, 1983. The fifty-seven (57) QA Level II capacitors will then be replaced when the switchgear is shut down for maintenance checks. It is expected that all of this work will be completed by June, 1984.

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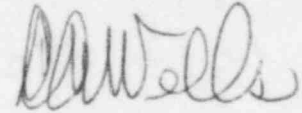
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Another report on this item either interim or final, will be sent when further information is available. If you have questions concerning this matter, please contact Mr. G. M. Trahey, Assistant Director - Project Quality Assurance.

Very truly yours,



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

Mr. Paul Byron, Senior Resident Inspector
U. S. Nuclear Regulatory Commission
6450 North Dixie Highway
Newport, Michigan 48166

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bcc: F. E. Agosti
T. A. Alessi
A. Alexiou
C. R. Bacon
L. P. Bregni
J. A. Cartmill
W. F. Colbert
O. K. Earle
W. J. Fahrner
D. Ferencz
E. P. Griffing
C. M. Heidel
W. R. Holland
Institute of Nuclear Power Operations (INPO)
W. H. Jens
R. S. Lenart
E. Lusic
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R. A. Vance/L. E. Eix
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