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**Detroit
Edison**

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December 5, 1983

EF2-66483

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

Subject: Report of 10CFR50.55(e) Item on Reactor Building Crane
Problems (#106)

Dear Mr. Keppler:

On November 4, 1983, Detroit Edison's Mr. W.R. Wingfield, Quality Engineer - Construction Quality Assurance telephoned Mr. J. Grobe of NRC Region III to report on problems involving the Reactor Building Crane at the Fermi 2 site.

Following brake work, attempts were made to operate the main hoist to check for proper brake operation. The brakes worked, but the crane would not raise or lower.

As previously reported to the NRC, initially, during the troubleshooting of the cause for the main hoist stall condition, it had appeared that the north main hoist drum bearing had failed. Upon further evaluation with the P & H (Harnischfeger) representative on November 3, 1983, it was determined that the bearing was acceptable for service. There was evidence of drum bearing retainer caps working back and forth in the pillow blocks due to independent drive trains working against each other when the main hoist was in a stalled condition. The P & H representative indicated that this should not cause a problem.

It has since been determined that the actual cause of failure of the hoist to operate was due to faulty rewiring of the motor thermal overload heater circuits.

For immediate corrective action, the Reactor Building Crane Main Hoist was removed from service and a deficiency notice tag hung on the crane main hoist controller. Corrective action concerning the faulty rewiring has since been completed by Startup personnel. Further investigation of this matter is still under review by Nuclear Production and Startup personnel.

Another report on this item, either interim or final, will be sent when further information is available. If you have questions

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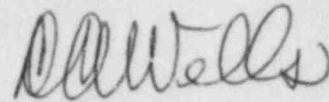
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concerning this matter, please contact Mr. G.M. Trahey, Assistant
Director - Project Quality Assurance.

Very truly yours,



DAW/EHN/pn

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
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