

**Detroit  
Edison**

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April 11, 1983  
EF2-62620

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 Control Rod Drive (CRD)  
Measurements (#89)

Dear Mr. Keppler:

On March 11, 1983, Detroit Edison's Mr. D. Ferencz, Acting Supervisor - Construction Quality Assurance, telephoned Mr. H. Wescott of NRC Region III to report on a potential problem with Control Rod Drive measurements at the Fermi 2 site.

During installation of the control rod drives (CRD) by Reactor Controls, Inc., some measurements appear to have been recorded incorrectly. One set of measurements pertained to the CRD attachment length. A dial indicator used to measure deviations from a master reference rod was misread. Another error was made in the measurements of distance between the top of the uncoupling rods and the top of the spuds. The measurements were recorded with the rods in the up position instead of the down position.

The above conditions were corrected by repeating the measurements on all one hundred eighty-five (185) control rod drives. During this operation, the uncoupling rod dimension was taken with the uncoupling rod in the down position as required. In repeating the CRD attachment length measurement, the setup was altered to provide a direct reading rather than using a master reference. The activity was performed under close scrutiny of Edison Field Engineering and Project Quality Assurance personnel. A total of four (4) control rod drives exhibited uncoupling rod measurements outside of the required tolerance. The deviations were documented on Deviation Disposition Requests, and dispositioned to replace or rework the uncoupling rods. This provided acceptable dimensions to be achieved on all control rod drives. No CRD attachment length measurements were found to be out of tolerance. Investigation concerning this matter is continuing.

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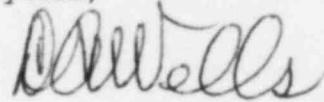
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Another report on this item, either interim or final, will be sent when further information is available. If you have questions concerning this matter, please contact Mr. G.M. Trahey, Assistant Director - Project Quality Assurance.

Very truly yours,



DAW/DF/pn

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

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