

Regulatory

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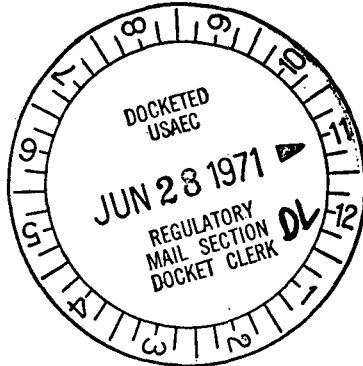
Commonwealth Edison Company

50-237

ONE FIRST NATIONAL PLAZA ★ CHICAGO, ILLINOIS

Address Reply to:

POST OFFICE BOX 767 ★ CHICAGO, ILLINOIS 60690



Dresden Nuclear Power Station
R. R. #1
Morris, Illinois 60450
June 21, 1971

Dr. Peter A. Morris, Director
Division of Reactor Licensing
U. S. Atomic Energy Commission
Washington, D. C. 20545

Subject: License DPR-19, Dresden Nuclear Power Station Unit #2
Sections 6.6.A.1 and 6.6.C.1 of the Technical Specifications

Dear Dr. Morris:

This is to inform you of the failure of the closing coil on the backup power supply to the reactor injection valves of the low pressure coolant injection (LPCI) system. This failure would have prevented these valves from operating as designed if they had been required to be supplied from backup power.

Incident and Initial Action:

On May 21, 1971, bus undervoltage device functional tests were being conducted in accordance with DPR-19 Technical Specifications Section 4.2.1 as the result of a scheduled refueling outage. An undervoltage signal was supplied to Bus 29, causing the normal feed breakers (2971 and 2972) to trip satisfactorily. (See Figure One) It was then observed that the backup feed breakers 2871 and 2872 had no position indication. Immediate investigation revealed that MCC 28-7 and 29-7 were not energized, breaker 2871 was closed and breaker 2872 was open. Further investigation revealed that the rear control power fuse for breaker 2872 was blown. This fuse was replaced and an unsuccessful attempt was made to close the breaker automatically. A manual close signal was then given to the breaker which caused the front control power fuse to blow and the closing coil to burn out.

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Dr. Peter A. Morris, Director

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June 21, 1971

Investigation and Corrective Action:

The automatic transfer of this system had previously been checked satisfactorily on April 4, 1971.

It is believed that the blown control power fuses were caused by an overcurrent condition in the breaker closing coil which eventually burned out the coil.

Following an inspection of breaker 2872, the closing coil was replaced, the MCC phase rotation was checked, and successful manual and automatic transfer tests were performed. No specific cause of the anomaly could be found nor could the malfunction be duplicated.

Conclusion:

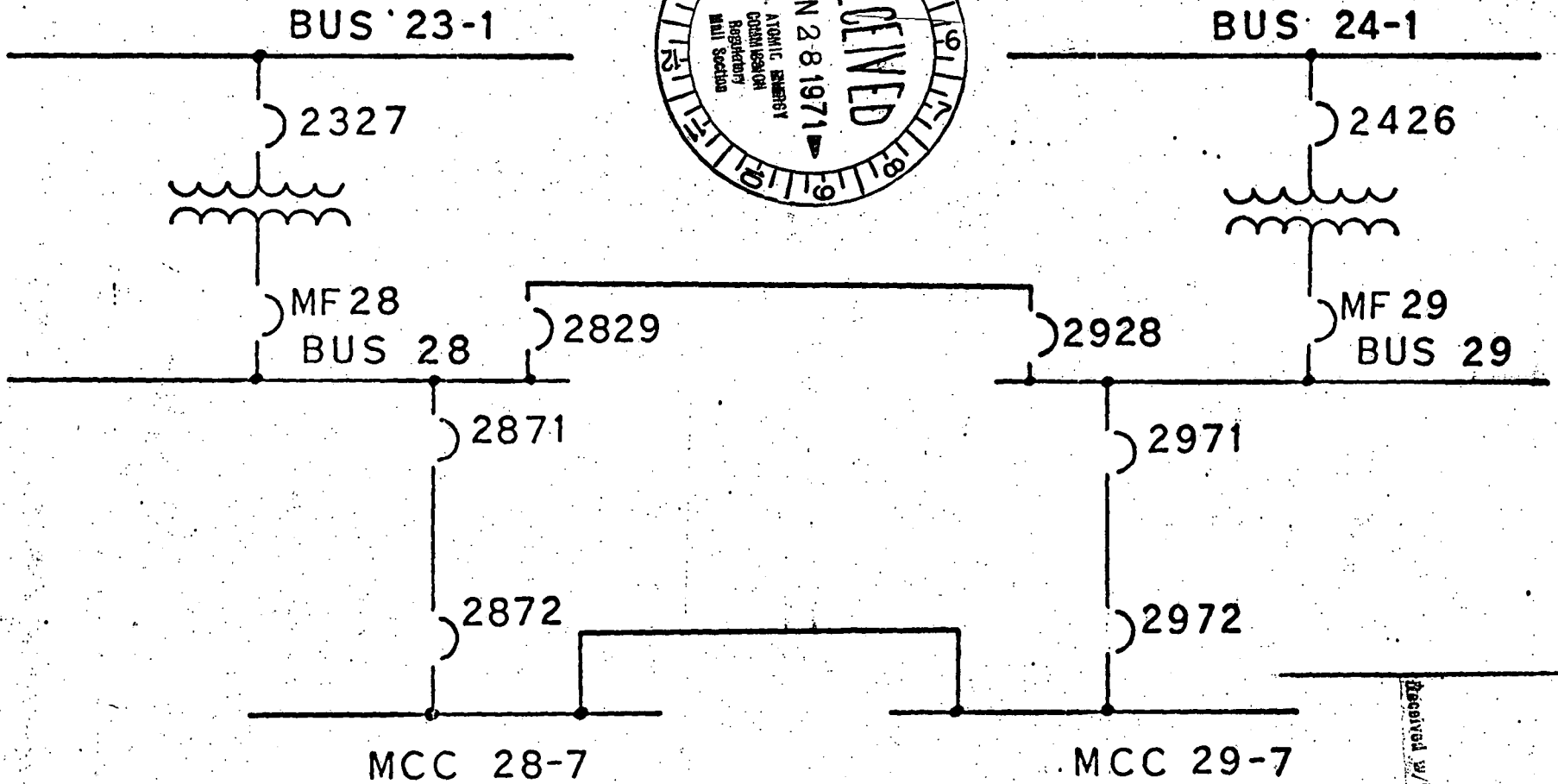
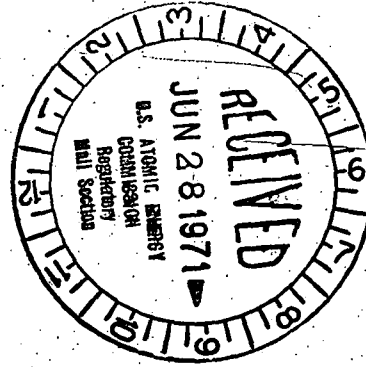
The Station Review Board concurs with the corrective measures and decided that no further action was necessary as a result of the successful testing of the system following the replacement of the breaker closing coil.

Sincerely,

H. K. Hoyt WPH
H. K. Hoyt
Superintendent

HKH:JMA:ls
Enc.

FIGURE 1



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