



Commonwealth Edison

One First National Plaza, Chicago, Illinois
Address Reply to: Post Office Box 767
Chicago, Illinois 60690

AmB

February 15, 1985

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

Subject: Bryon Station Units 1 and 2
Braidwood Station Units 1 and 2
10 CFR 50.55(e) No. 85-01 Report
Westinghouse 10 Amp Breaker Low Interrupt Rating
NRC Docket Nos. 50-454/455 and 50-456/457

Dear Mr. Keppler:

On January 17, 1985, Commonwealth Edison Company notified your office of a potential deficiency reportable pursuant to 10 CFR 50.55(e) regarding 10 amp Motor Control Center (MCC) breakers with low interrupt ratings. This letter provides information to fulfill the thirty-day reporting requirement and is considered a final report.

DESCRIPTION OF DEFICIENCY

The 480 volt, 10 amp breakers supplied with the Westinghouse Motor Control Centers did not meet our Specification F/L 2755.

The breakers have an interrupting rating of 4000 to 5000 amps. The rating should have been equal to or above the 14,000 amp fault current capability of the 480 Volt MCC bus. The requirement was stated in the specification.

ANALYSIS OF THE SAFETY IMPLICATIONS

Depending upon the magnitude and duration of the fault current and time-current characteristic of the backup breaker, electrical penetration feed-throughs initially protected by the 10 amp breaker may not be adequately protected by the back-up breaker. This could possibly result in a breakdown of the electrical or pressure boundary of the electrical penetration.

Tripping of the back-up breaker would also result in de-energizing the entire Motor Control Center and any safety related equipment fed from this MCC. Such an action would prevent this equipment from performing its safety related functions.

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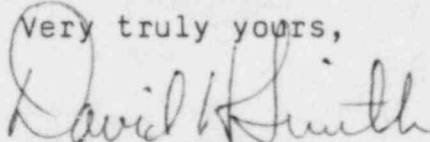
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CORRECTIVE ACTION TAKEN

All of the effected safety-related breakers on Byron Unit 1 were replaced by October 18, 1984. The effected breakers on Byron Unit 2 and Braidwood Unit 1 and Unit 2 will be replaced before fuel load of the respective unit.

Please address any questions that you or your staff may have concerning this matter to this office.

Very truly yours,



David H. Smith
Nuclear Licensing Administrator

cc: NRC Resident Inspector - Byron
NRC Resident Inspector - Braidwood

Director of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, DC 20555

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