



Commonwealth Edison

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

April 14, 1982

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Subject: Byron Station Units 1 and 2
Braidwood Station Units 1 & 2
Residual Heat Removal System
NRC Docket Nos. 50-454, 50-455
50-456 and 50-457



Dear Mr. Denton:

This is to provide information regarding a Byron/Braidwood design change which will aid the operator during switchover from ECCS injection to recirculation. Review of this information should close Confirmatory Issue 27 of the Byron SER.

Attachment A to this letter contains the details of a circuit change which will provide control room annunciation when the safeguards initiation S-signal is reset. This will remind the operator that switchover from ECCS injection to the recirculation mode will not be accomplished automatically. In this situation, manual actions are required of the control room operator to complete switchover if required.

Summary information regarding this change will be incorporated into the Byron/Braidwood FSAR at the earliest opportunity.

Please address further questions regarding this matter to this office.

One signed original and fifteen copies of this letter and the attachment are provided for your review.

Very truly yours,

T. R. Tramm
Nuclear Licensing Administrator

Boo!
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During safety injection when the water level in the RWST reaches a preset trip point, there is an automatic switchover from injection mode to recirculation mode. Manually resetting the safety injection signal will disable the automatic switchover. To make the operator aware of this situation, the circuit shown below has been developed. A spare safety injection reset pushbutton contact for each train is provided to the annunciator input cabinet for each train. There the signals are processed through the annunciator system and to an annunciator window located in the Main Control Board which will be engraved "SI RESET RECIRCULATION TRANSFER NOT IN AUTO". When the SI is reset, the message will appear and can be acknowledged by the operator. However, the window will remain illuminated as a constant reminder until it is eventually reset. In addition, the message will be permanently recorded on a printer, also located in the control room.

