



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

July 8, 1981

Mr. James G. Keppler, Director  
Directorate of Inspection and  
Enforcement - Region III  
U.S. Nuclear Regulatory Commission  
799 Roosevelt Road  
Glen Ellyn, IL 60137



Subject: Byron Station Units 1 and 2  
Braidwood Station Units 1 and 2  
Response to IE Bulletin 81-02  
"Failure of Gate Type Valves to Close  
Against Differential Pressure"  
NRC Docket Nos. 50-454/455 and  
50-456/457

Reference (a): J. G. Keppler letter to Cordell Reed  
dated April 9, 1981.

(b): T. J. Rausch letter to J. G. Keppler  
dated May 8, 1981.

Dear Mr. Keppler:

Reference (b) provided the Commonwealth Edison Company response to the subject Bulletin for our Dresden, Quad Cities, LaSalle County and Zion Stations. The attachment to this letter provides the Reference (a) requested information for our Byron and Braidwood Stations.

The attached report identifies the affected valves, their planned service, the maximum differential pressure at which these valves would be required to close, the safety consequences of the valve's failure to close and the planned corrective action.

A schedule for implementing the corrective action is expected from Westinghouse in the near future. Our schedule for completing this corrective action is January 1, 1982.

Our estimate of the hours expended in the review and preparation of the enclosed Byron and Braidwood report is eight hours. This does not, however, account for the Westinghouse efforts expended on this matter. Additionally, it is expected to require eighteen hours per unit to implement the corrective action.

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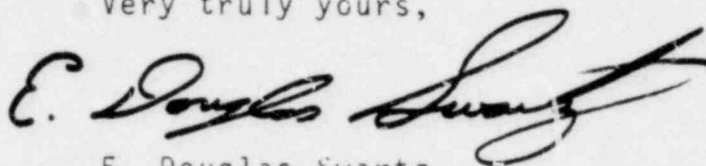
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To the best of my knowledge and belief, the statements contained herein and in the attachment are true and correct. In some respects these statements are not based on my personal knowledge but upon information furnished by other Commonwealth Edison employees. Such information has been reviewed in accordance with Company practice and I believe it to be reliable.

Please address any further questions that you may have concerning this matter to this office.

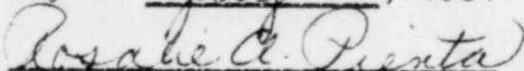
Very truly yours,



E. Douglas Swartz  
Nuclear Licensing Administrator

cc: Director, NRC Office of Inspection and  
Enforcement  
Region III Inspector - Byron  
Region III INSpector - Braidwood

SUBSCRIBED AND SWORN to  
before me this 8th,  
day of July, 1981

  
Notary Public

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Attachment  
Byron/Braidwood

<u>Affected Valves</u>	<u>Planned Service</u>	<u>Max.Diff. Pressure</u>	<u>Corrective Action Planned</u>	<u>Safety Consequences</u>
3GM88 CV8105 & 8106	Charging Header Isolation Valves	2700 psi	Gear Ratio Change	See 12/2/80 letter from T.R. Tramm to J.G. Keppler (10CFR50.55(e)).
RV8000 A & B	PORV Block Valves	2400 psi	Gear Ratio Change	The failure of a PORV to close, assuming no block valve, is an analyzed condition (WCAP9600). Core uncover will not occur.
4GM87 SI8821 A & B	SI Pump Discharge X-Over Isolation	1500 psig	Gear Ratio Change	This is a normally open valve and is not required to close under accident conditions.
4GM88 SI8802 A & B	SI Pump Hot Leg Recirc. Isolation	1200 psi	None*	The failure of these valves to close would result in a reduced cold leg injection flow not analyzed in the FSAR. However these valves are normally closed.
SI8801 A & B	SI Pump Cold Leg Injection Isolation	1200 psi	None*	This is a normally closed valve and is required to open under accident conditions.
SI8835	SI Pump Header Isolation	1200 psi	None*	This is a normally open valve and is not required to close under accident conditions.
SI8803 A & B	Not used at Byron/Braidwood			

\* Westinghouse has determined that these valves are adequate as designed.

We have been notified of this verbally.

LAB/sb/0340b