



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

December 7, 1981

Mr. Darrell G. Eisenhut, Director
 Division of Licensing
 U.S. Nuclear Regulatory Commission
 Washington, DC 20555

Subject: Dresden Station Units 2 and 3
 Quad Cities Station Units 1 and 2
 Sixty (60) Day Response for NUREG
 0737 Item II.K.3.15
 NRC Docket Nos. 50-237/249 and
 50-254/265

- References (a): L. O. DelGeorge letter to D. G. Eisenhut dated July 1, 1981.
- (b): T. A. Ippolito letter to L. O. DelGeorge dated October 13, 1981.
- (c): T. A. Ippolito letter to L. O. DelGeorge dated October 21, 1981.



Dear Mr. Eisenhut:

References (b) and (c) requested that the Commonwealth Edison Company provide, within sixty (60) days, additional information concerning our NUREG 0737 Item II.K.3.15 modifications at our Dresden and Quad Cities Stations.

In Reference (a), we committed to modify the HPCI/RCIC Pipe Break Detection Logic in accordance with the General Electric Company conceptual design which incorporates a time delay relay. The following additional information is offered in support of this modification.

At our Dresden and Quad Cities Stations, we have not experienced spurious isolations of their associated HPCI or RCIC systems due to starting steam flow transients (pressure spikes). Based upon our operating experience, we do not believe that this will be a problem with the time delay relay installed.

The G.E. analysis for the maximum time delay is based on an isolation signal concurrent with a loss of AC power, and the failure of the outboard valve. Therefore, blowdown time is extended to the time it takes for the diesel generators to start and pick up load. The FSAR for both the Dresden and Quad Cities Stations specifies a maximum starting time of 10 seconds. Actual test data for Dresden and Quad Cities indicates a starting time of 9.2 and 9.9 seconds respectively. Therefore, a maximum time delay of 9 seconds in the HPCI and RCIC pipe break detection logic circuits would not degrade these systems.

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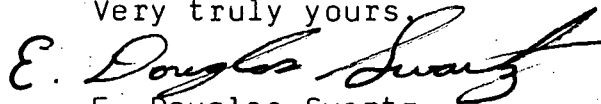
We are presently working on Technical Specification updates. These will include surveillance of the time delay setting, the setpoint to be used and the tolerance required.

To the best of my knowledge and belief, the statements contained herein are true and correct. In some respects, these statements are not based upon 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 questions that you may have concerning this matter to this office.

One (1) signed original and fifty-nine (59) copies of this letter are provided for your use.

Very truly yours,



E. Douglas Swartz
Nuclear Licensing Administrator

Enclosure

cc: J. G. Keppler, Director RIII
RIII Inspector - Dresden
RIII Inspector - Quad Cities

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