



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

Central file

January 25, 1980

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: Dresden Station Units 2 and 3
 Quad Cities Station Units 1 and 2
 Additional Response to IE Bulletin
 80-01
 NRC Docket Nos. 50-237/249 and
 50-254/265

Reference (a): D. L. Peoples letter to J. G. Keppler
 dated January 18, 1980

Dear Mr. Keppler:

In accordance with discussions with Mr. R. L. Spessard of your Staff, Commonwealth Edison Co. is providing additional information to our original response, Reference (a), to IE Bulletin 80-01.

Our additional response to the items identified in the bulletin are as follows:

Item 1: Hard seat check valves are installed at Dresden 2 and 3 and Quad Cities 1 and 2 to isolate the ADS accumulator system from the pneumatic supply system. This configuration exists on only one of five ADS valves; the other four valves are electrically operated. The check valves are manufactured by Dresser and are Hancock line ½" valves.

Item 2: The only leak test to date was performed on Quad Cities Unit 2 during the current refueling outage following receipt of the bulletin. Although an excessive leakage was measured, the primary cause has been determined to be improper orientation of the check valve. Corrective action to ensure the system meets leakage requirements is currently being evaluated. The orientation of the check valves at Dresden 2 and 3 and Quad Cities Unit 1 have not been confirmed. Inspections, leak tests, and any necessary corrective actions will be performed at the next refueling outages.

T
Q

8002120 JAN 29 1980 254

Mr. James G. Keppler, Director - 2 -

January 25, 1980

Items 3(a) and 3(b): The ADS pneumatic supply systems at Dresden and Quad Cities are not seismically designed. These lines are currently being reevaluated at Quad Cities Unit 2. Preliminary analysis indicates that the existing configuration from the check valve to the ADS valve would have been stressed to approximately 60% of ultimate strength due to seismic loads. These lines will be upgraded as required to meet seismic design criteria prior to startup of Quad Cities Unit 2 and during the next refueling outages at Dresden 2 and 3 and Quad Cities 1. This upgrade will include the piping from the check valve to the valve operator only, and not the entire pneumatic supply system.

Item 4: Analyses performed by General Electric Co. indicate that full ADS operability can be provided by the four electrically operated ADS valves. The NRC staff is currently reviewing the results of these analyses, which will require maximum MAPLHGR reductions of 2.5% at Dresden 2 and Quad Cities 1 to maintain peak clad temperatures less than 2200°F for the most limiting small break loss of coolant accident with only four ADS valves operable. No reduction is required at Dresden 3. Plant MAPLHGR limits are currently being maintained at a conservative 13.2% reduction at Dresden 2 and Quad Cities 1 and a 4.6% reduction at Dresden 3 until the NRC completes their review. These reductions are based on previous analyses which assumed a DC power source failure (Reference (a)), and have been determined to be conservative for our units. Based on these analyses, and the existing MAPLHGR reductions, full ADS operability is assured with four ADS valves operable. We believe this will ensure continued plant operation with no risk to the public health and safety until evaluations of the air supply to the remaining ADS valve on each unit can be made at the next refueling outages. If an outage of sufficient length prior to the refueling outages occurs, the necessary inspections, tests, and modifications will be made at that time.

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

Very truly yours,



for D. L. Peoples
Director of Nuclear Licensing

cc: Director, Division of Reactor
Operations Inspection