



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

January 24, 1980

Director of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Subject: Dresden Station Units 2 and 3
Quad Cities Station Unit 1
Temporary Technical Specification
Changes concerning ADS Operability
NRC Docket Nos. 50-237/249 and 50-254

Reference (a): IE Bulletin 80-01

Dear Sir:

As a consequence of the review of concerns identified in IE Bulletin 80-01, questions have been raised addressing the seismic design of the Automatic Depressurization System (ADS) at Dresden and Quad Cities. In order to provide sufficient time to allow review of the seismic design of the ADS, a temporary Technical Specification change is required to modify the operability requirements for the ADS.

Pursuant to 10CFR50.59, Commonwealth Edison Company proposes to amend Appendix A, Technical Specifications, for Operating Licenses DPR-19, DPR-25, and DPR-29 for Dresden Unit 2, Dresden Unit 3, and Quad Cities Unit 1, respectively, to allow operation with four of five ADS valves operable until January 31, 1980. Our bases for making this Technical Specification change are as follows:

1. Full availability of the ADS for the electromatic relief valves and the air supply to the Target-Rock valve at each unit is assured for all events except the design basis seismic event. This event is of extremely low probability for the time period specified.
2. Availability of the four electromatic relief valves following any seismic event is expected since normal operational loads on the valves have been determined to be as large or larger than those caused by a seismic event. (Ref. Dresden Special Report #30 and Quad Cities Special Report #10)

A001
S
1/1
w/check: #8400.00

8001300429

Commonwealth Edison

Director of Nuclear Reactor Regulation
January 24, 1980
Page 2

NRC Docket Nos.
50-237/249 and
50-254

3. Small break loss of coolant accident (LOCA) analyses have been performed using current NRC approved ECCS models which demonstrate that full ADS capability can be provided with only four ADS valves operable. The results of these analyses indicate that peak clad temperatures remain lower than those for the current limiting large break LOCA at Dresden 3. At Dresden 2 and Quad Cities 1, maximum MAPLHGR reductions of 3.4% would be required to maintain peak clad temperatures less than 2200^oF for the most limiting small break loss of coolant accident with only four ADS valves operable. 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 review of these analyses is complete. These reductions are based on previous generic analyses which assumed a DC power source failure and have been determined to be conservative for our units.
4. Analyses will be performed within the specified time period which demonstrate the seismic capability of the four electromatic relief valves.
5. All remaining seismically designed ECCS and decay heat removal systems would be expected to remain operable following the seismic event and would be available for safe shutdown of the units.
6. The high pressure coolant injection system (HPCI), for which the ADS is a backup, has been verified operable and will be tested weekly to assure operability in accordance with existing Technical Specification requirements.

The Technical Specification changes which are proposed are included in Attachments 1, 2, and 3 to this letter for Dresden 2, Dresden 3, and Quad Cities 1, respectively. These proposed changes have received on-site and off-site review and approval.

Pursuant to 10CFR170, Commonwealth Edison Company has reviewed these proposed changes and determined them to be one Class I and two Class III amendments. As such, a fee remittance in the amount of \$8,400.00 has been included with this transmittal.

Commonwealth Edison

Director of Nuclear Reactor Regulation
January 24, 1980
Page 3

NRC Docket Nos.
50-237/249 and
50-254

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

Three (3) signed originals and fifty-seven (57) copies of this transmittal are provided for your use.

Very truly yours,

C. Read
for

D. L. Peoples
Director of Nuclear
Licensing

SUBSCRIBED and SWORN to
before me this 25th, day
of January, 1980.

Nancy M. Dascenzo
Notary Public

1540A