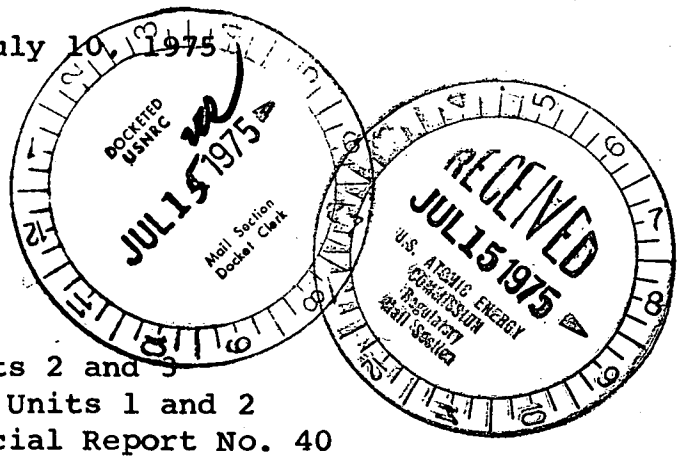
Commonwealth Edison
One First National Plaza, Chicago, Illinois
Address Reply to: Post Office Box 767
Chicago, Illinois 60690

Regulatory File Cy.

July 10, 1975



Mr. Dennis L. Ziemann
Operating Reactors - Branch 2
Division of Reactor Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Subject: Dresden Station Units 2 and 3
Quad-Cities Station Units 1 and 2
Dresden Station Special Report No. 40
Quad-Cities Station Special Report No. 15
NRC Dkts. 50-237, 50-249, 50-254, and 50-265

Dear Mr. Ziemann:

In response to your letter dated June 18, 1975, the following additional information is provided. Other additional information concerning this subject was provided in letters to you dated June 23, 1975 and July 7, 1975.

Single Failure Analysis

A discussion of undesirable valve functions was provided in the letter to you dated June 23, 1975. The potential for passive failures of fluid systems during long term cooling following a LOCA has been evaluated. The emergency core cooling systems are designed such that flow blockage of a single pipe can not prevent the safety output function. During the long term cooling mode, the emergency core cooling systems are operated at temperatures and pressures considerably below their design bases, thus the potential for failure is reduced below that during operation at design conditions.

For any given combination of design basis accident break and postulated single failure, the consequences are more severe during the short term phase of the accident. This conclusion is based on the results of the analyses in the subject reports which show peak cladding temperature (PCT) versus time for the most severe combination of break size and single failure. After reaching a maximum valve, the PCT begins to decline and will continue to decline during long term cooling.

One (1) signed original and 59 copies of this additional information are provided for your use.

Very truly yours,

J. S. Abel
Nuclear Licensing Administrator
Boiling Water Reactors

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