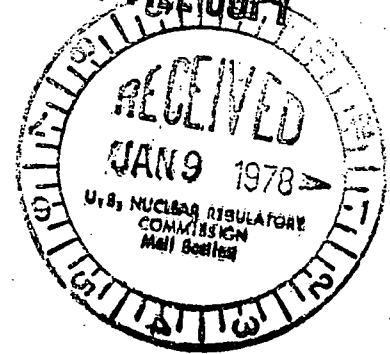




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REGULATORY DOCKET FILE COPY

January 3, 1978



Mr. Donald K. Davis, Acting Chief  
Operating Reactors - Branch 2  
Division of Operating Reactors  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

Subject: Dresden Station Units 2 and 3  
Quad-Cities Station Units 1 and 2  
Suppression Pool Temperature Transients  
NRC Docket Nos. 50-237/249 and 50-254/265

References (a): D. K. Davis letter to R. L. Bolger,  
dated December 12, 1977.

(b): E. D. Fuller letter to O. D. Parr,  
dated September 6, 1977.

Dear Mr. Davis:

In response to Reference (a), concerning Suppression Pool temperature transients for Dresden Units 2 and 3 and Quad-Cities Units 1 and 2, we have reviewed the available generic and plant specific information and it is our judgment that a valid plant licensing basis has been established. Your request was in two (2) sections; 1) Part A - Non-proprietary questions dealing with plant specific suppression pool temperature transients, and 2) Part B - Proprietary questions dealing with the data base which supports the General Electric Topical Report NEDE-21078P.

The technical justification for the suppression pool temperature limits is defined in the Technical Specification basis for the primary containment (Section 4.7.A). It is judged that this basis is adequate. Although it has been determined after consultation with General Electric that approximately six (6) man-months of engineering effort and \$20,000 of computer usage would be required to perform the suppression pool temperature transient analyses requested in Reference (a), a commitment to perform this work cannot be made at this time. It is judged that such a commitment can only be made after the design basis assumptions for the transients are clarified, because these assumptions are not compatible with a reasonable interpretation of the Technical Specifications. Moreover, because the overall design

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Mr. Donald K. Davis

- 2 -

January 3, 1978

configuration of the Dresden Units 2 and 3 and Quad-Cities Units 1 and 2 suppression pool and pressure relief systems may change as a result of the Mark I Containment Long Term Program Load Definition, such transient analyses are considered to be premature.

The response to Part B - Proprietary questions relative to General Electric Topical Report NEDE 21078P was transmitted to the Nuclear Regulatory Commission by General Electric via Reference (b). Therefore, no further response is warranted.

Although it has been judged that no commitment is required relative to the submittal of additional plant unique suppression pool temperature transient information, we will keep you advised of our on-going plans for the modification of the Mark I containment and pressure relief systems on Dresden Units 2 and 3 and Quad-Cities Units 1 and 2. In the event the Mark I Program load definition affects the currently defined design basis for the suppression pool, a firm commitment for the reevaluation of pool temperature transients will be made. In addition, for the supplemental plant specific temperature transients delineated in Part A, we propose to provide a program clarifying our understanding of an appropriate basis for any long term supplemental transient analyses. This program will be submitted by March 1, 1978,

One (1) signed original and 39 copies of this letter are provided for your use.

Very truly yours,



Cordell Reed  
Assistant Vice President