

Commonwealth Edison Company

ONE FIRST NATIONAL PLAZA ★ CHICAGO, ILLINOIS

Address Reply to:

POST OFFICE BOX 767 ★ CHICAGO, ILLINOIS 60690

September 4, 1969

Dr. Peter A. Morris, Director
Division of Reactor Licensing
U.S. Atomic Energy Commission
Washington, D.C. 20545

Subject: Additional information relative to the applications for construction permits and operating licenses for Dresden Units 2 and 3 filed under AEC Dkts 50-237 and 50-249, respectively.

Regulatory File Cy.

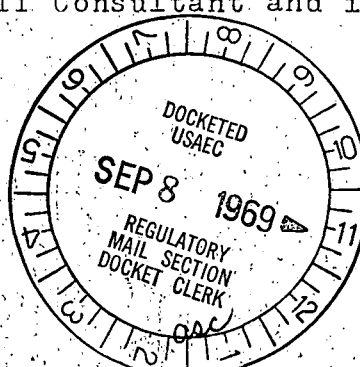
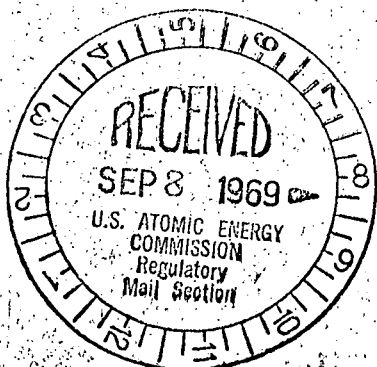
Dear Dr. Morris:

Based on conversations with your staff, we have concluded that Amendments 19 and 20 of the subject dockets are incomplete in that they do not provide complete information on the seismic design of the subject Units. Page changes to Amendments 19 and 20 are being prepared which will provide the required information.

The purpose of this letter is to provide the specific information which will be included in the page changes to Amendments 19 and 20 so that you will have this information in advance of submitting the page changes. The appropriate areas of Amendments 19 and 20 will be revised as indicated below.

1. The first paragraph under B.2 on page 15 will be revised to read:

The seismic analyses performed on the Dresden Main Steam, Feedwater, 16 inch low Pressure Coolant Injection Shutdown, 16 inch Shutdown and Recirculation piping have been performed using analytical techniques discussed in the response to Question 2.9 of Amendment 7/8. At the present time an expansion of these analyses is underway using techniques recommended by the AEC Staff Consultant and including



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both operating and design basis earthquakes to assure these systems have been conservatively designed for seismic purposes. These analyses will use the stress intensification factors specified in Section 31.1.0 of the Piping Code. These analyses will be made available to the AEC Staff when completed. The results of the analyses delineated above will be compared to the design criteria. Any design or physical changes required to establish conformance with the criteria will be accomplished.

2. Table 2-1 will be revised so that the max. seismic stress obtained by method 1 for joint number 220 will be 1,200 psi. and the period for the 2nd mode will be 0.51 seconds.
3. Table 2-2 will be revised so that the max. seismic stress obtained by method 1 for joint number 28 will be 3,470 psi.
4. A second paragraph which reads as follows will be added to Section 3.A on page 20:

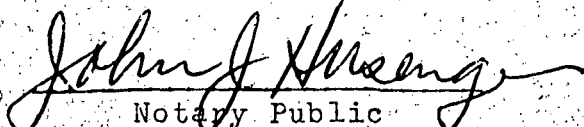
"In addition, the static analyses of other piping systems discussed in Amendments 19/20 will be expanded to include both the operating and design basis earthquakes. These analyses will use the stress intensification factors specified in Section 31.1.0 of the Piping Code. The results of these analyses will be compared to the design criteria. Any design or physical changes required to establish conformance with the criteria will be accomplished."

5. The asterisk and asterisk explanation will be deleted from figure 3-5.
6. A new paragraph which reads as follows will be added at the end of section two on page 20 and as paragraph 3.H General on page 33:

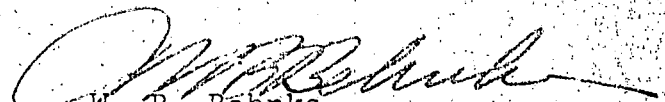
"All stress analyses of piping and components have included appropriate thermal loads."

In addition to three signed originals, 19 copies of this letter are also submitted.

Subscribed and Sworn to
before me this 3RD day
of SEPT, 1969.


Notary Public

Very truly yours,


W. B. Behnke
Assistant to the President