

FEB 4 1975

Docket Nos. 50-237  
50-249

Commonwealth Edison Company  
ATTN: Mr. Byron Lee  
Vice President  
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Gentlemen:

Additional information is required by the staff to proceed with the review of the proposed Appendix B Environmental Technical Specifications (ETS) for Dresden Units 2 and 3, received on November 18, 1974. In the Final Environmental Statement, some of this information was requested as soon as it became available. Information more directly pertinent to the ETS was also discussed informally with your staff in December, 1974 and January, 1975. It is our understanding that the additional information will be submitted in February, 1975. To avoid misunderstanding, the additional information required for staff review is as follows:

1. An explanation of the assumptions, theory, model and measurements involved in the derivation of the curves in Figure 2.1.1 (Page 5) of the November 18, 1974 proposed ETS.
2. A detailed explanation of where and how the downstream temperature  $T_L$  (Page 3) is to be measured. The first equation on Page 3 is valid only if  $T_L$  represents the downstream river temperature after complete mixing. If  $T_L$  is measured near the surface before complete mixing, high values of ambient temperature and low values of  $\Delta T_{26}$  will be estimated.
3. Available data on the geometry of the thermal plumes in Dresden Pool at the lowest river flows with respect to vertical stratification and the fraction of the cross-section of the river occupied by the portions of the plume more than 5°F above ambient temperature.
4. The latest design information on the proposed discharge for Units 1, 2 and 3.

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- 5. Recent data on chlorine analysis of Unit 1 and Units 2 and 3 discharges including sampling locations, time between chlorination and sampling, time between sampling and analysis, and analytical methods.

The staff's intent is to issue the Appendix B ETS for Dresden 2 and 3 in the near future. In the absence of the information requested above, the staff may be forced to make conservative and probably less realistic assumptions which could result in unduly restrictive specifications.

Sincerely,

B. J. Youngblood, Chief  
 Environmental Projects Branch 3  
 Division of Reactor Licensing

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