



**Consumers  
Power  
Company**

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October 18, 1983  
JEB 27-83

In the Matter of

CONSUMERS POWER COMPANY

(Midland Plant, Units 1  
and 2)

Charles Bechhoefer, Esq  
Atomic Safety & Licensing  
Board Panel  
US Nuclear Regulatory  
Commission  
Washington, DC 20555

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Docket Nos 50-329-OM  
50-330-OM  
50-329-OL  
50-330-OL

Dr Jerry Harbour  
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Board Panel  
US Nuclear Regulatory  
Commission  
Washington, DC 20555

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Dear Administrative Judges

The Licensing Board has indicated its desire to issue an early decision with respect to Sinclair Operating License Contention No 14 (Cooling Pond Thermal Performance). Tr 20188-89. In accordance with Applicant's duty of full disclosure (see Duke Power Company) (William B McGuire Nuclear Station, Units 1 & 2), ALAB-143, 6 A E C 623, 625-26), Applicant hereby provides the following information.

The Applicant intends to complete construction of both units of the Midland plant even given Dow Chemical Company's attempted withdrawal from its contract to purchase steam produced by the facility. The Unit 2 turbine generators (one high-pressure and two low-pressure turbines) are designed to produce up to 852 megawatts of electricity (MWe), whereas the Unit 1 turbine generators (one high-pressure and one low-pressure turbine) are designed to produce up to 504 MWe. The remaining heat generated by Unit 1 had been intended to produce up to four million pounds per hour of process steam for use by Dow Chemical.

If Dow is successful in withdrawing from its contract, Unit 1 potentially could be converted to an "all-electric" unit by the addition of another low-pressure turbine generator driven by the steam capacity not used by Dow. The Applicant has not decided yet whether or how to harness this unused steam capacity. This decision most likely will not be made until after the close of the pending Operating License proceedings, and will be based on projected need

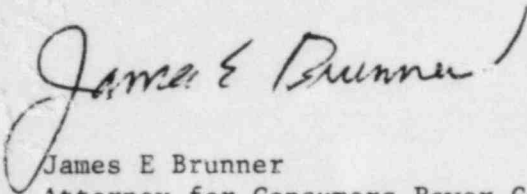
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for electrical generation at that time. Until then, the Applicant intends not to use this unused steam capacity, but will operate the unit at the back-end limited design condition (no steam to Dow) discussed in FES Section 4.2.6.2 on pp 4-6 and 4-7. Total maximum heat rejection to the pond from both units will remain as presently stated on FES table 4.2 on p 4-23 (ie,  $9.05 \times 10^9$  Btu/hr).

The 880 acre Midland plant cooling pond has been designed to satisfy the full power operation cooling needs of the plant in its current design configuration. Applicant has not performed an analysis of the thermal load that would be rejected to the cooling pond resulting from any subsequent decision to utilize portions or all of the unused steam capacity. Such load might or might not increase. However, any subsequent decision to utilize the unused steam capacity in any manner other than that specified in the original design (process steam to Dow) would be brought before the NRC as an application for an amendment to the Operating License for Unit 1 and would require the commensurate detailed analyses and technical justifications to support the request. The environmental effects of utilizing the unused steam capacity would also be addressed in the application for an amendment to the Operating License for Unit 1.



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