

UNITED STATES OF AMERICA
 NUCLEAR REGULATORY COMMISSION

DOCKETED
 USNRC

Before the Atomic Safety and Licensing Board

'82 SEP 15 A10:48

In the Matter of:)
)
 CONSUMERS POWER COMPANY,)
)
 (Midland Plant, Units 1 and 2))

Docket Nos. 50-329
 50-330
Operating License

OFFICE OF SECRETARY
 DOCKETING & SERVICE
 BRANCH

SECOND SET OF INTERROGATORIES
BASED ON NEW INFORMATION

September 13, 1982

The following are the second set of interrogatories to the Applicant based on new information found in the FES. I requested and was given an extension of time to respond to the FES.

I. There is a marked discrepancy regarding the evaluation of the effects of the cooling pond between that of the Applicant and the Staff's conclusions in the FES. (9-19)

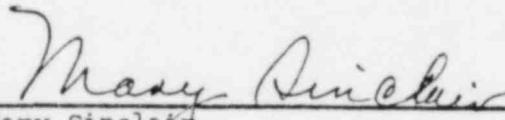
1. What was the basis for the Applicant's data that fog will form over the lake and be advected inland at air temperatures of -18°C (0°F), to which the Staff takes exception? (FES 9-19)
2. What is the basis of the Applicant's calculations that assume that wind direction and air temperature at the site are not correlated, a fact with which the Staff does not agree? (FES 9-19)
3. What heat load loss is expected on the Midland pond according to the Applicant?
4. How was this figure determined?
5. What experience, documents or other data were relied upon to get this figure?
6. If models were relied for questions 1-5, who prepared them?

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- 7.. Have any of the models been successfully applied in actual practice?
If so, where has it been applied? If not, what gives the Applicant the confidence it will work at the Midland site?
8. What types of actions to mitigate the effects of increased incidence of fogging and icing due to plant operation does the Applicant expect to take if it becomes necessary--an action the Applicant is committed to in ER Section 5.1.4.2?
9. Is there any action short of enlarging the cooling pond that can reduce the temperature of the pond?

Respectfully submitted,


Mary Sinclair

cc:

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William Paton, Esq.
Mr. Wendell Marshall
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