

Docket Nos. ✓ 50-329
and 50-330

Consumers Power Company
ATTN: Mr. S. H. Howell
Vice President
212 West Michigan Avenue
Jackson, Michigan 49201

Gentlemen:

We have reviewed Amendment No. 24 to your application for construction permits and operating licenses for Units 1 and 2 of your Midland Plant. This amendment consists of revisions to the Preliminary Safety Analysis Report (PSAR) that describe the proposed meteorological data collection facilities and meteorological monitoring program that will be conducted at the Midland Plant site.

The locations of the meteorological sensors with respect to height above ground and plant facilities appear to be capable of providing adequate meteorological data representative of all airflow conditions over the site. However, due to the complexity of the site and the lack of space for positioning of meteorological instruments, it may not be possible to use the data from one tower to determine the diffusion conditions over the site for all conditions. We recommend, therefore, that you submit your procedure for data analysis to the Regulatory staff at an appropriate time before submitting data summaries.

The PSAR states that the sensitivity of the detection instrumentation is in compliance with Regulatory Guide 1.23. Since there are many instruments and systems that can be used, you should provide additional information regarding the manufacturer and model used along with the sensitivity and accuracy of each instrument or system. Information regarding procedures for instrument calibration and maintenance, and data recording and reduction should also be provided.

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In summary, the array of meteorological instruments appears to be acceptable but there is insufficient information to evaluate the acceptability of the instrumentation and to provide reasonable assurance that the meteorological data and data recovery will be acceptable.

Sincerely,

Original Signed

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Light Water Reactors Br. 2-3
Directorate of Licensing

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