

SEP 30 1977

Docket Nos. 50-390
50-391

Tennessee Valley Authority
ATTN: Mr. Godwin Williams, Jr.
Manager of Power
830 Power Building
Chattanooga, Tennessee 37201

Gentlemen:

SUBJECT: WATTS BAR METEOROLOGICAL DATA

In the Watts Bar FSAR, it is noted that the higher frequency of calm conditions [July 1971 - June 1972 vs. July 1973 - June 1975] is primarily a consequence of the location of the temporary meteorological facility in a "sink." Therefore, provide concurrent hourly wind speed, direction, and atmospheric stability data collected from all levels at which measurements were made on both the temporary and permanent meteorological towers. Include comparisons (e.g., statistical) of wind speed as a function of atmospheric stability and as a function of wind direction, as well as comparisons of wind direction and stability for these two data sets. Explain any differences between the data collected on these two towers for all comparable levels. Compare National Weather Service (NWS) data from a representative neighboring station for this period with long-term (e.g., 30 years) data from the same NWS station or in some other way discuss the degree of representativeness of this period with long-term conditions. Tables and/or figures may be useful. Discuss any other factors (e.g., data period not representative of long-term conditions) which may explain the differences in the July 1971-June 1972 and the July 1973 - June 19, 1975 data sets.

From the discussion of September 13, 1977 with members of your staff, we understand that responses to this request for information will be submitted on or before October 21, 1977.

Please contact us if there are any further questions.

Sincerely,

Original signed by:

Steven A. Varga, Chief
Light Water Reactors Branch 4
Division of Project Management

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OFFICE	CSS	DPM: LWR #4	LA	DPM: LWR #4		
SURNAME	Listed on page 2	CStalle: pcm	LAndrews LA.	SAVarga		
DATE		9/29/77	9/29/77	9/30/77		

Tennessee Valley Authority - -

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