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IE (3)

NOV 15 1978

Docket Nos: 50-390
50-391

bcc:
J. Buchanan, NSIC
T. Abernathy, TIC
ACRS (16)

Mr. N. B. Hughes
Manager of Power
Tennessee Valley Authority
830 Power Building
Chattanooga, Tennessee 37401

Dear Mr. Hughes:

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION ON WATTS BAR DESIGN BASIS TORNADO

Enclosed is a request for additional information on the Watts Bar design basis for tornados.

Your response is requested by January 5, 1979 to continue our review.

Sincerely,

Original signed by:
S. A. Varga

Steven A. Varga, Chief
Light Water Reactors Branch No. 4
Division of Project Management

Enclosure:
As stated

cc: See next page

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Ap 3
GD

OFFICE	DPM:LWR #4	DPM:LWR #4				
SURNAME	CStahle:tlb	SVarga				
DATE	11/15/78	11/15/78				

NOV 15 1978

Tennessee Valley Authority

ccs:
Herbert S. Sanger, Jr. Esq.
General Counsel
Tennessee Valley Authority
400 Commerce Avenue
E 11B 33
Knoxville, Tennessee 37902

Mr. E. G. Beasley
Tennessee Valley Authority
400 Commerce Avenue
Knoxville, Tennessee 37902

Mr. Michael Harding
Westinghouse Electric Corporation
P. O. Box 355
Pittsburgh, Pennsylvania 15230

Mr. David Lambert
Tennessee Valley Authority
303 Power Building
Chattanooga, Tennessee 37401

REQUEST FOR ADDITIONAL INFORMATION - ROUND 2 NOV 15 1978

WATTS BAR UNITS 1 AND 2

DOCKET NOS. 50-390 AND 50-391

372.16 (2.4.1.4) As stated in Question 372.2, the 300 mph rotational wind speed, 60 mph translational speed, and 1 psi/sec rate of pressure drop (3 psi/3 sec) do not meet the recommendations established in Regulatory Guide 1.76, "Design Basis Tornado for Nuclear Power Plants," for Region I in which the Watts Bar site is located. Therefore, provide and justify the design basis tornado characteristics at a 10^{-7} probability level for the Watts Bar area. Include a discussion of the input data, assumptions, models, and bases used to estimate these characteristics. Cite supportive references.