

UNITED STATES GOVERNMENT

# Memorandum

TO : THE FILES  
TERU: C. G. Long, Chief  
Reactor Projects Branch No. 3, DRL

DATE: MAR 29 1967

FROM : B. Grimes, Reactor Projects Branch No. 3  
Division of Reactor Licensing

SUBJECT: DUKE POWER COMPANY C. P. APPLICATIONS FOR OCONEE, SOUTH CAROLINA  
DOCKET NOS. 50-269/270

On March 17, 1967, Bill Lee of Duke Power Company called to discuss the schedule for submittal of revised engineered safety features and safety analysis and answers to staff questions raised at the February 14 and 15 meeting.

Mr. Lee said that the revised engineered safeguards would be submitted and part of the questions would be answered by a submittal about April 3 and that he would like a brief meeting on April 4 (9:00 a.m.) to discuss scheduling and briefly go over the submittal and any other areas that we would like to discuss.

The revised safety analysis and the remainder of the questions would be submitted about April 19 and he would like a meeting that week to discuss any areas we would like to cover (particularly with regard to the first supplement).

J. Proctor of NOL also called on March 17, 1967, to request that he be put in touch with whoever did the Duke turbine missile and tornado missile analysis to clear up a few points. (I had previously called Proctor and requested his review of these items March 15 and mailed the information. I requested his informal comments by the first week in April.) Lee said that J. Tkacik of Bechtel had done the analysis.

J. Proctor called again on March 20 and said that he agreed with their analysis at the 130% speed but that the largest missile would penetrate 3-1/2 feet of concrete if 180% full speed was assumed (as per the G.E. analysis). The 130% figure was picked because this is above the speed at which the slip fit would be lost. The G.E. analysis on Quad-Cities also stated this but carried the analysis to the point at which the pieces would fly apart (180%).

Proctor is continuing his analysis and will consider high trajectory missiles and a heavy (1 ton) tornado missile.

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