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DEC 10 1980

Docket No. 50-327

Mr. H. G. Parris  
 Manager of Power  
 Tennessee Valley Authority  
 500A Chestnut Street, Tower II  
 Chattanooga, Tennessee 37401

bcc: NSIC  
 TERA  
 ACRS (16)

Dear Mr. Parris:

SUBJECT: SEQUOYAH HYDROGEN CONTROL PROGRAM

Our preliminary evaluation of your December 1, 1980, response to our requests for information is seriously deficient on five issues that need your immediate attention to ensure timely resolution of the hydrogen control matters on Sequoyah. These deficient issues, as discussed with your staff and contained in the list of requests for information, are (1) temperature profile for equipment survivability, (2) local detonations and pressure profiles on the shell-interior walls, (3) CLASIX modeling of ice bed heat transfer, (4) Combustion phenomena particularly the number of ignitors and H<sub>2</sub> burn setpoints, and (5) Combustion in the air return for system. Further comments will be provided in the next few days. Other portions of your response are knowingly deficient because they are dependent upon the resolution of the above five issues. In addition to the previously requested information, we suggest that you prepare Technical Specifications and procedures necessary for the use of the Interim Distribution Ignition System and submit them for our review.

Please provide a schedule for the completion of all items deemed necessary to meet the January 31, 1981 mandate from the Commission. We suggest a series of review meetings be established to coincide with the time you believe that one or more issues are substantially completed by TVA. The purpose of the meeting would assure that your submittals fulfill our need, and also expedite the review process.

Sincerely,

Original signed by

Robert L. Tedesco, Assistant Director  
 for Licensing  
 Division of Licensing

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