




OFFICE OF THE  
SECRETARY

UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555

IN RESPONSE, PLEASE  
REFER TO: M821215

December 23, 1982

MEMORANDUM FOR: William J. Dircks, Executive Director  
for Operations

FROM: Samuel J. Chilk, Secretary 

SUBJECT: STAFF REQUIREMENTS - DISCUSSION AND POSSIBLE  
VOTE ON SEQUOYAH - HYDROGEN CONTROL, 10:00 A.M.,  
WEDNESDAY, DECEMBER 15, 1982, COMMISSIONERS'  
CONFERENCE ROOM, D.C. OFFICE (OPEN TO PUBLIC  
ATTENDANCE)

The Commission\* was briefed by the staff on the hydrogen control system installed by TVA at Sequoyah Unit 1. By a vote of 4-0, the Commission approved the hydrogen control system as adequate with the condition that four additional igniters be installed in the upper containment. By a vote of 3-1 (Commissioner Roberts disapproving), the Commission approved a license condition that additional tests be performed to demonstrate that the igniters initiate combustion.

Commissioner Ahearne requested that:

1. The staff consider whether actuation of the hydrogen control system should occur automatically upon a safety injection signal.  
(NRR) (SECY Suspense: 1/14/83)
2. The staff clarify whether the procedures require that the hydrogen control system remain activated until the unit reaches cold shutdown.  
(NRR) (SECY Suspense: 1/14/83)
3. The staff confirm and clarify that the maximum equipment temperature calculated was substantially lower than the qualification temperature of the equipment.  
(NRR) (SECY Suspense: 1/14/83)

\* Commissioner Asselstine was not present.

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4. The staff provide information on whether scaling is a significant factor in environmental qualification testing.  
(NRR) (SECY Suspense: 1/14/83)
5. With respect to survivability of essential equipment, the staff provide information on how it determined the list of "sensitive" equipment developed by TVA was satisfactory.  
(NRR) (SECY Suspense: 1/14/83)
6. The staff provide information on whether 31 of the 32 igniters per train is needed to maintain an effective coverage throughout the containment.  
(NRR)

cc: Chairman Palladino  
Commissioner Gilinsky  
Commissioner Ahearne  
Commissioner Roberts  
Commissioner Asselstine  
Commission Staff Offices  
PDR - Advance  
DCS - 016 Phillips