



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

OFFICE OF THE
COMMISSIONER

September 9, 1980

MEMORANDUM FOR CHAIRMAN AHEANRE
COMMISSIONER HENDRIE
COMMISSIONER BRADFORD

FROM:

JH John H. Austin

SUBJECT:

SEQUOYAH LICENSE

I have discussed over the phone with Commissioner Gilinsky the attached draft license condition on hydrogen control measures at Sequoyah. He indicated that in view of there not being a majority of Commissioners in favor of making the operability of additional hydrogen control measures a condition of a Sequoyah license, he proposes the attached as an alternative to Section 2.C(22)D of the proposed license attached to Harold Denton's memo of September 3, 1980. The attached proposed conditions allow ample time, in view of the schedules laid out in Commission meetings, for the staff to evaluate an interim hydrogen control system. They in essence restore the language of the license condition proposed in Harold Denton's memo of September 3, 1980. Furthermore, paragraph D(b) of the attached would have the Commission review the adequacy of the hydrogen control system by January 31, 1982, which is consistent with the time scale laid out by the ACRS.

The principle is to allow full power operation without an operational hydrogen control system for the few months needed by staff to complete its reviews and analyses. Since the interim distributed ignition system proposed by TVA is in its early stages and since a long term requirement has not been established, the Commission should review this matter in early 1982.

Attachment: a/s

cc: SECY

8009290026

D. Hydrogen Control Measures

- (a) By January 31, 1981, TVA shall by testing and analysis show to the satisfaction of the NRC staff that an interim hydrogen control system will provide with reasonable assurance protection against breach of containment in the event that a substantial quantity of hydrogen is generated.

- (b) For operation of the facility beyond January 31, 1982, the Commission must confirm that an adequate hydrogen control system for the plant is installed and will perform its intended function in a manner which maintains containment pressure below design limits.

- (c) During the interim period of operation, TVA shall continue a research program on hydrogen control measures and the effects of hydrogen burns on safety functions and shall submit to the NRC quarterly reports on that research program.