



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

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October 17, 1978

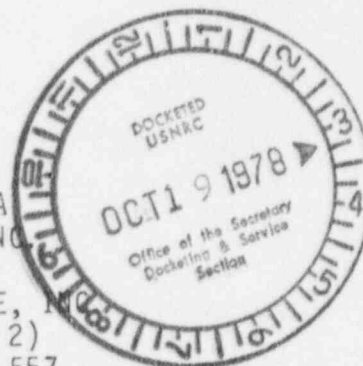
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In the Matter of
PUBLIC SERVICE COMPANY OF OKLAHOMA
ASSOCIATED ELECTRIC COOPERATIVE, INC.
AND
WESTERN FARMERS ELECTRIC COOPERATIVE, INC.
(Black Fox Station, Units 1 and 2)
Docket Nos. STN 50-556 and STN 50-557



Gentlemen:

This letter is to inform the Board and parties of information received by the Staff from General Electric in the area of transient analysis methods. As indicated in the enclosures to this letter, tests at a domestic and foreign BWR for the purpose of transient model verification showed that certain portions of the REDY Code (which is used for calculations of certain transients including turbine trip) under predicts the decrease in critical power ratio (CPR) limits. For this reason, a new code named ODYN has been prepared by General Electric and is currently under review by the Staff.

The review of the ODYN Code is expected to be completed in December 1978. This will provide sufficient time for the Applicant to evaluate the consequences of anticipated operational occurrences with the approved method and initiate appropriate design changes if such changes are needed or deemed beneficial. The Staff anticipates that these changes, if needed, can be accommodated by minor modifications of design details, such as the specification of faster rod insertion rates.


I am also informed that while the REDY and ODYN Codes are used for the calculation of certain transients, including turbine trip, the new code

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changes do not affect the Emergency Core Cooling System and consequently will have no effect on Black Fox Contention Number Two.

Sincerely,


for L. Dow Davis
Counsel for NRC Staff

Enclosures:

1. GE October 25, 1977 letter to NRC
2. Rosztoczy November 23, 1977 letter to Ross
3. GE January 9, 1978 letter to NRC
4. GE June 20, 1978 letter to NRC

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