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CONTROL NO: 5765 Duke Power Co FROM: DATE OF DOC DATE REC'D LTR TWX RPT OTHER Charlotte, N.C. XXX A.C. Thies 5-30-75 6-2-75 XXXX ORIG SENT AEC POR CC OTHER TO: A. Giambusso 1 Signed SENT LOCAL PDR DOCKET NO INPUT UNCLASS PROP INFO NO CYS REC'D CLASS ENCLOSURES: DESCRIPTION: Ltr. ref their transmittal of 4-16-75 which was in response to our 3-14-751ttr....providing add 1 info.concerning results of a review of Oconee Nuclear Station system capabilities & oper. proce-Dures conducted to evaluate possibility of sign ificant changes in chemical concentrations during long ter after a postulated loss-of-coolant accid.(LOCA) PLANT NAME: Oconee 1-2-3 FOR ACTION/INFORMATION VCR 6-4-75 ZIEMANN (L) SCHWENCER (L) BUTLER (L) REGAN (E) W/ Copies W/ Copies W/ Copies W/ Copies STOLZ (L) DICKER (E) LEAR (L) CLARK (L) W/ Copies W/ Copies W/ Copies W/ Copies KNIGHTOW (E) VASSALIATI PARRILL W/ Copies W/ Copies W/ Copies W/ Copies PURPLE (L) YOUNGBLOOD (E) LICENSING PROJECT MANAGER KNIEL (L) W/ Copies W/ Copies W/ Copies W/Copies INTERNAL DISTRIBUTION DENTON A/T IND TECH REVIEW LIC ASST. BRAITMAN SCHROEDER GRINIES R. DIGGS (L) OGC, ROOM P-506A GAMMILL SALTZMAN MACCARY H. GEARIN (L) MELTZ GOSSICK/STAFF KNIGHT KASTNER E. GOULBOURNE (L) CASE PAWLICKI BALLARD P. KREUTZER (E) PLANS -GIAMBUSSO SHAO SPANGLER J. LEE (L) MCDONALD -BOYD STELLO! M. MAIGRET (L) CHAPMAN MOORE (L) HOUSTON ENVIRO S. REED (E) DUBE (Ltr) DEYOUNG (L) NOVAK3 MULLER W. SERVICE (L) S. SHEPPARD (L) E. COUPE SKOVHOLT (L) ROSS DICKER PETERSON GOLLER (L) (Ltr) IPPOLITO KNIGHTON M. SLATER (E) HARTFIELD (2) P. COLLINS YOUNGBLOOD TEDESCO F', SMITH (L) KLECKER DENISE REGAN J. COLLINS S. TEETS (L) LAINAS EISENHUT REG OPR PROJECT LDR G. WILLIAMS (E) WIGGINTON FILE & REGION (BENAROYA V. VILSON (L) MPIC VOLLMER R. INGRAM (L) Marga STEELE EXTERNAL DISTRIBUTION Walhalla, S.C. 1 - LOCAL POR ! - PDR-SAN/LA/NY

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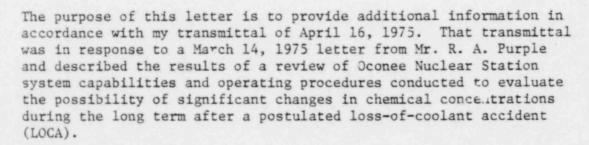
A. C. THIES SENIOR VICE PRESIDENT PRODUCTION AND TRANSMISSION

May 30, 1975

Mr. Angelo Giambusso, Director Division of Reactor Licensing U. S. Nuclear Regulatory Commission Washington, D. C. 20555

Re: Oconee Nuclear Station Docket Nos. 50-269, -270, -287

Dear Mr. Giambusso:



As stated on April 16, 1975, dose calculations had not been completed at that time to determine the feasibility of the operation of manual valves in the Auxiliary Building in the post-LOCA environment. Such operation would be necessary in order to implement the operating procedures described for Modes 1 and 2. These dose calculations have now been completed and indicate that, in the Auxiliary Building area where the maximum (controlling) exposure would be received, the minimum dose rate in the interval from initiation of recirculation to 60 days following a postulated LOCA is in excess of 40 R/hr. Other analyses have shown that if the leakage gaps between the outlet nozzles and the core support shield, as described in Supplement 1 to Topical Report BAW-10091, are assumed not to be available, that the previously mentioned operating modes would need to be implemented not later than 60 days following a postulated LOCA. It is apparent, therefore, that the manual operation of the various valves is not possible due to the extremely high exposures which would be involved.

In light of the above, a study was conducted to determine the feasibility of modifying the affected valves such that they could be remotely operated.

P. O. Box 2178

Mr. Angelo Giambusso Page 2 May 30, 1975

This study has indicated that following initiation of procurement, a delivery time of approximately 21 months can be anticipated. When the additional time necessary for installation of the valve motor operators is included, the previous estimate of $2\frac{1}{2}$ years for implementation of such a modification is confirmed.

In view of the above, and since the methods described in BAW-10091, Supplement 1, are adequate to prevent boron precipitation in the long term following a postulated LOCA, it is concluded that further consideration of implementation of the various described operating modes is neither practical nor necessary.

Very truly yours,

A. C. Thies

ACT:vr