



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

OCT 17 1984

MEMORANDUM FOR: William V. Johnston, Assistant Director for Materials,
Chemical and Environmental Technology, Division
of Engineering

FROM: L. S. Rubenstein, Assistant Director for Core and Plant
Systems, Division of Systems Integration

SUBJECT: SUPPLEMENTAL SAFETY EVALUATION REPORT INPUT FOR SRP
SECTION 9.5.1, POSITIONS C.5.b AND C.5.c - BYRON
STATION, UNIT 1

Enclosed is the Auxiliary Systems Branch supplemental safety evaluation report input for the Byron Station, Unit 1 post-fire safe shutdown capability. NRC inspections of the Byron plant identified several concerns regarding compliance with the post-fire safe shutdown criteria. The applicant subsequently submitted Amendment 3 to the Fire Protection Report which addressed the inspection concerns to ensure compliance with the post-fire safe shutdown criteria. The enclosed evaluation is our review of the concerns identified by the inspection (Items 454/84-60-02, 03, 06, 07 and 08) and the information contained in Amendment 3 to the Fire Protection Report. We conclude that the safe shutdown capability for Byron, Unit 1 complies with the guidelines of SRP Section 9.5.1, Positions C.5.b and C.5.c pending the conditions identified in the evaluation. These conditions should be made a part of the Byron, Unit 1 license.

In addition, per the request of D. Kubicki, ChEB, we have enclosed an evaluation of a portion of three deviation requests. We conclude that the applicant has proposed acceptable system measures.

L. S. Rubenstein, Assistant Director
for Core and Plant Systems
Division of Systems Integration

Enclosure:
As Stated

cc w/enclosure:

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