

DEC 4 1981

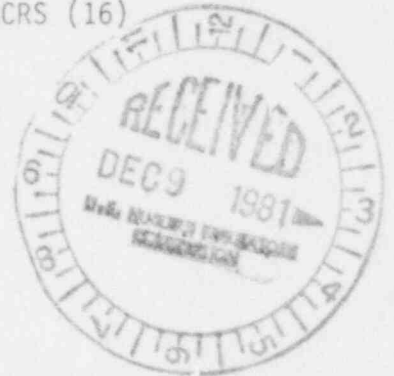
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Docket Nos.: STN 50-454, STN 50-455
and STN 50-456, STN 50-457

Mr. Louis O. DelGeorge
Director of Nuclear Licensing
Commonwealth Edison Company
Post Office Box 767
Chicago, Illinois 60690



Dear Mr. DelGeorge:

Subject: Additional Information Requested Concerning the Byron/Braidwood
RSB Review

As a result of our safety review, currently underway for the Byron Station the Reactor Systems Branch has identified several areas for which sufficient information has not been submitted to document complete reviews in Sections 5.2.2, 5.4.7, 6.3 and 15 of the Byron SER scheduled for issue in early February 1981. The enclosure contains a list of questions requesting additional information in these areas. These areas will remain open items until Commonwealth Edison Company supplies the necessary information. In order to meet our safety review schedule this information should be received by the staff by December 14, 1981.

If you require additional information or clarification of this request contact the Project Manager, S. Chesnut.

Sincerely,

Original signed by:
William Kane

for

B. J. Youngblood, Chief
Licensing Branch No. 1
Division of Licensing

Enclosure:
As stated

cc w/encl.: See next page

"The reporting and/or recordkeeping requirements contained in this letter affect fewer than ten respondents; therefore, OMB clearance is not required under P.L. 96-511."

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Enclosure 1

RSB

Section 5.2.2 Overpressure Protection

1. Analysis for Byron/Braidwood, or verification that analysis in WCAP 7769 is applicable to Byron/Braidwood, on overpressurization event assuming 2nd Rx trip, is needed.
2. PORV operators are not safety grade, seismic I.
3. Effects of Failure of 1 DC buss concurrent with failure of a PORV on other train is not addressed for low temperature overpressure protection.

Section 5.4.7 RHR

4. Cold shutdown report is needed to address redundant paths for boration, methods of depressurization, and other points of BTP 5-1.
5. Actions outside control room for cold shutdown including methods of lockouts on safety injection pumps and accumulators must be addressed as part of cold shutdown report.

Section 6.3 ECCS

6. RWST heating system and vent line design for cold weather protection is not addressed.
7. We require a time sequence of operator actions for switchover from injection to recirculation mode.
8. Charging pump deadheading is not covered.
9. Results of VCT level indicator failure (high) which could cause damage to charging pumps is not discussed.
10. LOCA analysis upper plenum temperature.
11. Commitment for ECCS test evaluations.

Section 15

12. Peak Reactor Coolant System Pressures are given at pressurizer - should be at point of peak pressure.
13. Upper Vessel Head temperatures need verification, and discussion.
14. Boron dilution event shows alarms are needed.
15. Pump seizure must be performed with a single failure and loss of offsite power.
16. We need justification that the pump seizure event is more limiting than the broken shaft event.
17. Need commitment on steps to reduce ATWS effects.
18. Cladding swelling and rupture models not properly considered.

TMI Items

- II.B.1 Vents - Procedures are needed.
- II.K.2.17 -Voiding in RCS - need schedule.
- II.K.3.1 - PORV Isolation - more discussion needed.

This list does not include confirmatory items.