



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555
August 12, 1988

MEMORANDUM FOR: Sholly Coordinator

FROM: Leonard N. Olshan, Project Manager
Project Directorate III-2
Division of Reactor Projects - III,
IV, V and Special Projects

SUBJECT: REQUEST FOR PUBLICATION IN BIWEEKLY FR NOTICE - NOTICE
OF CONSIDERATION OF ISSUANCE OF AMENDMENTS TO FACILITY
OPERATING LICENSE AND PROPOSED NO SIGNIFICANT HAZARDS
CONSIDERATION DETERMINATION AND OPPORTUNITY FOR A
HEARING (TAC NOS. 68865, 68866, 68867 AND 68868)

Commonwealth Edison Company, Docket Nos. STN 50-454 and STN 50-455, Byron
Station, Unit Nos. 1 and 2, Ogle County, Illinois; and Docket Nos. STN 50-456
and STN 50-457, Braidwood Station, Unit Nos. 1 and 2, Will County, Illinois

Date of application for amendments: July 11, 1988

Description of amendments request: These amendments would remove the fixed
 F_{xy} limits from the Technical Specifications and add the requirement that these
limits be submitted in a Radial Peaking Factor Limit Report.

Basis of proposed no significant hazards consideration determination: The
staff has evaluated this proposed amendment and has determined that it
involves no significant hazards considerations. According to 10 CFR 50.92(c),
a proposed amendment to an operating license involves no significant hazards
considerations if operation of the facility in accordance with the proposed
amendment would not:

- 1) Involve a significant increase in the probability or consequences of
an accident previously evaluated; or
- 2) Create the possibility of a new or different kind of accident from any
accident previously evaluated; or

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- 3) Involve a significant reduction in a margin of safety.

The proposed Technical Specification amendment requests several changes. The first change removes the existing, fixed F_{xy} limits in Specification 4.2.2.2.e and substitutes a requirement to submit the F_{xy} limits to the NRC in a Peaking Factor Limit Report in accordance with Specification 6.9.1.9. The second change revises the position title to whom the Radial Peaking Factor Limit Report is submitted per Specification 6.9.1.9. The title is changed from "Chief", Core Performance Branch" to "Chief, Reactor Systems Branch, DPL-A" to reflect the current organizational responsibilities within the NRC. This change applies only to Byron since it has already been incorporated in the Braidwood Technical Specifications. Finally in Specification 6.9.1.7, the references to Specifications "3.3.3.10 and 3.3.3.11" are being changed to Specifications "3.3.3.9 and 3.3.3.10" respectively because an incorrect specification is referenced.

All the changes requested are administrative in nature and do not affect the probability of an accident occurring. The proposed revision to Specification 4.2.2.2.e does not change the current F_{xy} limits used at the plant. It simply revises the method by which changes to the F_{xy} limits can be requested and implemented. The other changes correct a typographical error and change a position title. None of these changes affect the assumptions or results of any accidents previously analyzed. Therefore the consequences of any accidents are not impacted.

The proposed changes do not involve any equipment additions or modifications at the plant or cause the plant to be operated in a different manner. Therefore, the possibility of a new or different kind of accident from any accident previously evaluated is not created.

The Radial Peaking Factor, $F_{xy}(Z)$, is measured periodically to provide assurance that the Heat Flux Hot Channel Factor, $F_q(Z)$, remains within its limit. The limits on Heat Flux Hot Channel Factor help to ensure the design limits on peak local power density and minimum DNBR are not exceeded and in the event of a LOCA, the peak fuel clad temperature will not exceed the 2200°F acceptance criteria. The proposed change to remove the fixed limits from the Technical Specification and replace the requirement with a submittal of a Radial Peaking Factor Limit Report does not change the F_{xy} limits. The remaining changes are administrative in nature. The changes proposed for this amendment do not affect any margins of safety.

Therefore, based upon the pervious analysis, the staff concludes that the proposed amendment to the Technical Specifications does not involve significant hazards considerations.

Local Public Document Room location: For the Byron Station Rockford Public Library, 215 N. Wyman Street, Rockford, Illinois 61101; for Braidwood Station the Wilmington Township Public Library, 201 S. Kankakee Street, Wilmington, Illinois 60481.

Attorney to licensee: Michael Miller, Esq., Sidley and Austin, One First National Plaza, Chicago, Illinois 60603.

NRC Project Director: Daniel R. Muller



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