

March 2, 2001

Mr. James A. Hutton
Director-Licensing, MC 62A-1
Exelon Generation Company
Nuclear Group Headquarters
Correspondence Control
P.O. Box 160
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SUBJECT: LIMERICK GENERATING STATION, UNIT 2 - REQUEST FOR ADDITIONAL
INFORMATION ON YOUR APPLICATION TO INCORPORATE REVISED
SAFETY LIMIT MINIMUM CRITICAL POWER RATIOS (TAC NO. MB1125)

Dear Mr. Hutton:

By letter dated February 1, 2001, Exelon Generation Company, LLC, (Exelon) proposed an amendment to the unit's Technical Specifications to incorporate revised Safety Limit Minimum Critical Power Ratios due to the cycle-specific analysis performed by Global Nuclear Fuel for Limerick Unit 2.

Enclosed, please find a request for additional information (RAI) regarding this change request. If you have any questions, please call me at (301) 415-1055.

Sincerely,

/RAI/

Christopher Gratton, Senior Project Manager, Section 2
Project Directorate I
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-353

Enclosure: RAI

cc w/encl: See next page

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DATE	3/1/01	3/1/01	3/1/01		

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REQUEST FOR ADDITIONAL INFORMATION
PROPOSED AMENDMENT TO INCORPORATE REVISED
SAFETY LIMIT MINIMUM CRITICAL POWER RATIOS (SLMCPR)
EXELON GENERATION COMPANY
LIMERICK GENERATING STATION, UNIT 2

1. Provide the fuel types and numbers of assemblies used in Limerick Cycle 6 and Cycle 7 operation and identify whether they are fresh or irradiated fuel (once- or twice-burned, etc.). Also, describe the impact on the SLMCPR calculation given the different fuel loading patterns for Cycle 6 and Cycle 7.
2. Based on the information provided in Table 1 of Attachment 4, of your application dated February 1, 2001, the same General Electric Boiling Water Reactor Thermal Analysis Basis (GETAB) power distribution uncertainty and original versus revised nonpower distribution uncertainty are used for the input to the SLMCPR calculations for Cycle 6 and Cycle 7, respectively. However, the results of the calculations show that there is a decrease of 0.03 for the two-recirculation loop operation and single-recirculation loop operation for Cycle 7. It appears that the 0.03 decrease due to nonpower distribution uncertainty is too high. Provide the calculation methods and identify the contributors of this large decrease. Also, justify that the proposed new SLMCPR for Cycle 7 operation is conservative with respect to the method stated in NEDC-32601P-A.

Limerick Generating Station, Units 1 & 2

cc:

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