

February 7, 2002

MEMORANDUM TO: James W. Clifford, Chief, Section 2  
Project Directorate 1  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

FROM: Christopher Gratton, Sr. Project Manager, Section 2  
Project Directorate 1 **/RA/**  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

SUBJECT: LIMERICK GENERATING STATION (LGS), UNIT 1, EMAIL  
TRANSMISSION, ISSUES TO BE DISCUSSED IN AN  
UPCOMING CONFERENCE CALL (TAC NO. MB3708)

The attached information was e-mailed on February 5, 2002, to Mr. David Helker of Exelon Generation Company, LLC (the licensee). This information was transmitted to facilitate an upcoming conference call in order to clarify the licensee's submittal dated December 21, 2001. In the submittal, the licensee requested a change to the LGS Unit 1 Technical Specifications, Safety Limit Minimum Critical Power Ratios. This memorandum and the attached questions do not convey or represent a Nuclear Regulatory Commission staff position regarding the licensee's request.

Docket No. 50-352

Attachment: Issues for Discussion in Upcoming Telephone Conference

CONTACT: Christopher Gratton, NRR  
(301) 415-1055

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REQUEST FOR ADDITIONAL INFORMATION  
RELATING TO PROPOSED AMENDMENT TO LICENSE NO. NPF-39  
EXELON GENERATION COMPANY, LLC  
LIMERICK GENERATING STATION, UNIT 1  
DOCKET NO. 50-352

The Nuclear Regulatory Commission (NRC) staff has reviewed the December 21, 2001, Exelon submittal regarding changes to the Limerick Generating Station Unit 1 Safety Limit Minimum Critical Power Ratios (SLMCPRs) and has the following questions and comments concerning Attachment 4 of the submittal:

1. Figures 1 and 2 for Cycle 9 and Cycle 10 Reference Core Loading Pattern, respectively, should be updated to include Limerick cycle-specific fuel type, quantity, and when they are loaded in the core.
2. The NRC staff found discrepancies in data bases while conducting an audit of General Electric's GEXL14 correlation analysis. Provide a justification why the overall GEXL14 uncertainty for Limerick Unit 1 is still valid. Discuss the impact on the SLMCPR calculation due to these discrepancies.
3. SLMCPR value for two recirculation loop operation given in Table 1 of Attachment 4 decreased by 0.02, even though the same approach was used for both the power distribution uncertainty and the non-power distribution uncertainty for Cycles 9 and 10. Similarly, the SLMCPR value for single loop recirculation loop operation decreased by 0.03. Please discuss in detail the reasons for these decreases.