

August 20, 2002

Mr. John L. Skolds, President  
and Chief Nuclear Officer  
Exelon Nuclear  
Exelon Generation Company, LLC  
4300 Winfield Road  
Warrenville, IL 60555

SUBJECT: OYSTER CREEK NUCLEAR GENERATING STATION - SECOND REQUEST  
FOR ADDITIONAL INFORMATION REGARDING YOUR APRIL 26, 2002,  
APPLICATION FOR AMENDMENT (TAC NO. MB4960)

Dear Mr. Skolds:

The Nuclear Regulatory Commission (NRC) staff is reviewing the subject application for amendment whereby AmerGen proposed to incorporate the Boiling Water Reactor Owners Group stability Option II solution methodology to ensure that coupled neutronic/thermal-hydraulic instabilities are detected and suppressed. The NRC staff held a telephone conference with your staff on August 13, 2002, to discuss draft questions previously transmitted by e-mail, and which are available in the Agencywide Documents Access and Management System (ADAMS) under Accession No. ML022190509. Questions in that e-mail have been formalized into the enclosed request for additional information (RAI).

Your staff indicated that they can respond within 2 weeks of receipt of this RAI to support NRC's issuance of the requested amendment by September 30, 2002. If you need clarification of the RAI, please call me at 301-415-1451.

Sincerely,

**/RA/**

Peter S. Tam, Senior Project Manager, Section 1  
Project Directorate I  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket No. 50-219

Enclosure: As stated

cc w/encl: See next page

REQUEST FOR ADDITIONAL INFORMATION

OYSTER CREEK NUCLEAR GENERATING STATION

APPLICATION FOR AMENDMENT DATED APRIL 26, 2002

1. Provide the results and conclusions of the analysis for operation of Oyster Creek in the extended operating region (reference General Electric (GE) Report MDE-63-0386, "Extended Load Line Limit Analysis for Oyster Creek Nuclear Generating Station," dated March 1986). Also, provide the extended load line limit analysis (ELLLA) region in Attachments 1 and 2, and identify the region which is currently restricted from full use of the ELLLA region of the power/flow map because of the flow-biased rod block set points.
2. Provide justification for Oyster Creek's transition to the Generic Boiling Water Reactor Owners Group (BWROG) Long Term Stability Solution Option II, and identify the differences between the current method and the new one recommended by GE for Cycle 19 operation. Also, identify any differences between the BWROG Long Term Stability Solution Option II and NEDC-33065P, and hardware modifications due to this proposed change.
3. Describe any impact on the BWROG Long Term Stability Solution Option II due to the 10 CFR Part 21 issue on the Generic DIVOM curve for regional mode oscillations, since the Option II method uses quadrant-based average power range monitor scram to detect and suppress both in-phase and out-of-phase oscillations.
4. Provide quantitative results from review of the Updated Final Safety Analysis Report (UFSAR) transient events such as rod withdrawal event, loss of feedwater heating, main steam isolation valve closure, and startup of an inactive loop at an incorrect temperature and show that the old UFSAR results are still valid.

Enclosure

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**/RAI/**

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