



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

December 19, 2011

Mr. Michael J. Pacilio
President and Chief Nuclear Officer
Exelon Nuclear
4300 Winfield Road
Warrenville, IL 60555

SUBJECT: QUAD CITIES NUCLEAR POWER STATION, UNITS 1 AND 2 - REQUEST FOR
ADDITIONAL INFORMATION RELATED TO TECHNICAL SPECIFICATION
CHANGE FOR SAFETY LIMIT MINIMUM CRITICAL POWER RATIO (TAC
NOS. ME6383 AND ME7613)

Dear Mr. Pacilio:

By letters to the Nuclear Regulatory Commission (NRC) dated June 7, 2011, and November 22, 2011, Exelon Generation Company, LLC (Exelon) submitted requests to revise the technical specification safety limit minimum critical power ratio, for the Quad Cities Nuclear Power Station, Units 1 and 2, respectively. By letters dated September 21, 2011, and November 2, 2011, Exelon submitted additional information in response to our requests for additional information.

The NRC staff is reviewing your submittal and based on your submittals and audits of Westinghouse documents on October 19, 2011, and November 10, 2011, has determined that additional information is required to complete the review. The specific information requested is addressed in the enclosure to this letter. This information was provided to your staff during a discussion on November 14, 2011. During a discussion with your staff on December 8, 2011, it was agreed that you would provide a response 30 days from the date of this letter.

The NRC staff considers that timely responses to requests for additional information help ensure sufficient time is available for staff review and contribute toward the NRC's goal of efficient and effective use of staff resources.

M. Pacilio

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If circumstances result in the need to revise the requested response date, please contact me at (301) 415-6606.

Sincerely,

Araceli T. Billore ldr for

Joel S. Wiebe, Senior Project Manager
Plant Licensing Branch III-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-254 and 50-265

Enclosure:
Request for Additional Information

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REQUEST FOR ADDITIONAL INFORMATION

QUAD CITIES NUCLEAR POWER STATION, UNITS 1 AND 2

DOCKET NOS. 50-254 AND 50-265

In reviewing the Exelon Generation Company's (Exelon's) submittals dated June 7, September 21, November 2, and November 22, 2011 (Agencywide Documents Access Management System (ADAMS) Accession Nos. ML111590206, ML112650386, ML113070426, and ML113260348, respectively), and audits of Westinghouse documents on October 19, and November 10, 2011, related to the revision of the technical specification safety limit minimum critical power ratio (SLMCPR), for the Quad Cities Nuclear Power Station, Units 1 and 2, the NRC staff has determined that the following information is needed in order to complete its review:

1. CENPD-300-P-A, Section 1.3 states, "Appendix A to this report provides a brief description of the computer codes used in ABB reload analysis methodology." The CENPD-300-P-A acceptance letter dated May 24, 1996, states that the staff's acceptance applies only to the matters described in the report. In Exelon's submittal dated June 7, 2011, and supplement dated November 2, 2011, you identified several computer codes that are not listed in Appendix A and therefore not considered in the staff's acceptance of CENPD-300-P-A.

Provide a complete listing of computer codes used in the implementation of CENPD-300-P-A for determining the SLMCPR. Justify your use of these codes for the NRC approved analytical method (i.e., CENPD-300-P-A) listed in the Technical Specifications.

2. During the conference call on November 18, 2011, your staff stated that you were re-evaluating the MWd/MT threshold below which the Unit 1 SLMCPR was assured to be conservative. Describe how you are establishing this threshold.
3. The CENPD-300-P-A acceptance letter dated May 24, 1996, states that the staff finds the report and related documents to be acceptable to the extent specified and under the limitations delineated in the NRC evaluation.

Confirm that your implementation of CENPD-300-P-A for your June 6 and November 22, 2011, submittals continue to meet these conditions and limitations as described in your June 15, 2005 (ADAMS Accession No. ML060620352) submittal.

M. Pacilio

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If circumstances result in the need to revise the requested response date, please contact me at (301) 415-6606.

Sincerely,

/RA by Araceli T.Billoch Colón for/

Joel S. Wiebe, Senior Project Manager
Plant Licensing Branch III-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

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NRR-088

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