



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

August 21, 2017

Mr. Bryan C. Hanson  
Senior Vice President  
Exelon Generation Company, LLC  
President and Chief Nuclear Officer  
Exelon Nuclear  
4300 Winfield Road  
Warrenville, IL 60555

SUBJECT: CALVERT CLIFFS NUCLEAR POWER PLANT, UNITS 1 AND 2 –  
ACCEPTANCE OF REQUESTED LICENSING ACTION RE: RELIEF  
REQUESTS GV-RR-01, RC-RR-01, AND SI-RR-01 ASSOCIATED WITH FIFTH  
10-YEAR INTERVAL (CAC NOS. MG0064, MG0065, MG0066, MG0067,  
MG0068, AND MG0069)

Dear Hanson:

By letter dated August 2, 2017 (Agencywide Documents Access and Management System Accession No. ML17215A007), Exelon Generation Company, LLC submitted relief requests for Calvert Cliffs Nuclear Power Plant, Units 1 and 2. The proposed relief requests would:

- Eliminate the 5-minute hold requirement between successive openings specified in paragraphs 1-8110, 1-8120, and 1-8130 of Mandatory Appendix I, "Inservice Testing of Pressure Relief Devices in Light-Water Reactor Nuclear Power Plants," of American Society of Mechanical Engineers Code for Operation and Maintenance of Nuclear Power Plants 2012 Edition with no Addenda for Class 1, 2, and 3 safety and relief valves, excluding the main steam safety valves and pressurizer safety valves, tested under ambient conditions using test medium at ambient conditions.
- Allow set pressure tests to be performed using the actual temperature profile of the valve body different from the operating ambient temperature and without requiring the valve to be insulated in a like manner to its inservice configuration.
- Allow low pressure safety injection pumps be tested as standby pumps (Group 8) during Modes 1-4, power operation, and as continuously operating pumps (Group A) during Modes 5-6, refueling operations. During refueling operations, the comprehensive pump test will be substituted for a quarterly Group A test that comes due.

The purpose of this letter is to provide the results of the U.S. Nuclear Regulatory Commission (NRC) staff's acceptance review of these relief requests. The acceptance review was performed to determine if there is sufficient technical information in scope and depth to allow the NRC staff to complete its detailed technical review. The acceptance review is also intended to identify whether the application has any readily apparent information insufficiencies in its characterization of the regulatory requirements or the licensing basis of the plant.

Pursuant to Sections 50.55a(z)(1) and 50.55a(z)(2) of Title 10 of the *Code of Federal Regulations* (10 CFR), the applicant shall demonstrate that the proposed alternatives would

provide an acceptable level of quality and safety, or that compliance with the specified requirements of Section 50.55a would result in hardship or unusual difficulty, without a compensating increase in the level of quality or safety.

Based on the information provided in your submittal, the NRC staff has estimated that this licensing request will take approximately 300 hours to complete. The NRC staff expects to complete this review by May 1, 2018. If there are emergent complexities or challenges in our review that would cause changes to the initial forecasted completion date or significant changes in the forecasted hours, the reasons for the changes, along with the new estimates, will be communicated during the routine interactions with the assigned project manager.

These estimates are based on the NRC staff's initial review of the application and they could change due to several factors, including requests for additional information, and unanticipated addition of scope to the review. Additional delay may occur if the submittal is provided to the NRC in advance or in parallel with industry program initiatives or pilot applications.

If you have any questions regarding this issue, please contact me at (301) 415-2871 or [Michael.Marshall@nrc.gov](mailto:Michael.Marshall@nrc.gov).

Sincerely,



Michael L. Marshall, Jr., Senior Project Manager  
Plant Licensing Branch I  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket Nos. 50-317 and 50-318

cc: Distribution via Listserv

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