



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

March 17, 2016

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

SUBJECT: CLINTON POWER STATION, UNIT NO. 1 – SUPPLEMENTAL INFORMATION  
NEEDED FOR ACCEPTANCE OF REQUESTED LICENSING ACTION  
CONCERNING EXTENSION OF LEAK RATE TESTING (CAC NO.  
MF7290)(RS-16-015)

Dear Mr. Hanson:

By letter dated January 25, 2016 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML16025A182), Exelon Generation Company, LLC (EGC) submitted a license amendment request for Clinton Power Station, Unit 1. The proposed amendment would revise the technical specifications (TSs) to reflect a permanent extension of Type A Integrated Leak Rate Testing and Type C Leak Rate testing frequencies. The purpose of this letter is to provide the results of the U.S. Nuclear Regulatory Commission (NRC) staff's acceptance review of this amendment request. 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.

Consistent with Section 50.90 of Title 10 of the *Code of Federal Regulations* (10 CFR), an amendment to the license (including the TSs) must fully describe the changes requested, and following as far as applicable, the form prescribed for original applications. Section 50.34 of 10 CFR addresses the content of technical information required. This section stipulates that the submittal address the design and operating characteristics, unusual or novel design features, and principal safety considerations.

The NRC staff has reviewed your application and concluded that additional information delineated below is necessary to enable the staff to make an independent assessment regarding the acceptability of the proposed amendment/relief request in terms of regulatory requirements and the protection of public health and safety and the environment.

In order to make the application complete, the NRC staff requests that EGC supplement the application as follows. The licensee is using a risk-informed approach to support the test frequency extension consistent with Regulatory Guide (RG) 1.200, "An Approach for Determining the Technical Adequacy of Probabilistic Risk Assessment Results for Risk-Informed Activities," Revision 2 (ADAMS Accession No. ML090410014). Therefore, consistent with the Section 3.2.4.1 of RG 1.200 and in Regulatory Issue Summary 2007-06, "Regulatory

Guide 1.200 Implementation" (ADAMS Accession No ML070650428), EGC is requested to provide a list of all the facts and observations (F&Os) from the 2009 peer-review for which the probabilistic risk assessment (PRA) did not meet the 2009 American Society of Mechanical Engineers/American Nuclear Society PRA Standard Capability Category (CC) I supporting requirements. For each F&O, include details of its disposition, and if open, an explanation of why not meeting the corresponding CC I requirement has no impact on the request.

A response by April 4, 2016, will enable the NRC staff to begin its detailed technical review. If the information responsive to the NRC staff's request is not received by the above date, the application will not be accepted for review pursuant to 10 CFR 2.101, and the NRC will cease its review activities associated with the application. If the application is subsequently accepted for review, you will be advised of any further information needed to support the staff's detailed technical review by separate correspondence.

The information requested and associated time frame in this letter were discussed with Mr. Timothy Byam of your staff on March 16, 2016.

Should you have any questions, please feel free to contact me, at (301) 415-2315.

Sincerely,

A handwritten signature in black ink, appearing to read "E. Brown", with a stylized initial "E" and a flourish at the end.

Eva A. Brown, Senior Project Manager  
Plant Licensing Branch III-2  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket No. 50-461

cc: Distribution via Listserv

B. Hanson

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/RA/

Eva A. Brown, Senior Project Manager  
Plant Licensing Branch III-2  
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**ADAMS Accession No. ML16076A120**

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|--------|-----------|-----------|--------------|
| NAME   | EBrown    | SRohrer   | JPoole       |
| DATE   | 3/17/16   | 3/17/16   | 3/17/16      |

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