



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

April 24, 2015

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: CLINTON POWER STATION, UNIT 1 – REQUEST FOR ADDITIONAL
INFORMATION REGARDING LICENSE AMENDMENT REQUEST TO REVISE
TECHNICAL SPECIFICATION 5.5.2, “PRIMARY COOLANT SOURCES
OUTSIDE CONTAINMENT” (TAC NO. MF5291)**

Dear Mr. Hanson:

By application dated November 17, 2014 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML14321A882), Exelon Generation Company, LLC (the licensee) submitted a request to revise Technical Specification (TS) 5.5.2, “Primary Coolant Sources Outside Containment,” for Clinton Power Station (CPS), Unit 1. Currently, TS 5.5.2 requires that an integrated leak test be performed on each system subject to TS 5.5.2 at refueling cycle intervals or less. The proposed change would require this test to be performed at least once per 24 months. The reason for the request is to support the CPS transition from 2-year to 1-year refueling cycles. The U.S. Nuclear Regulatory Commission staff is reviewing the application and has determined that additional information is needed to complete its review.

A response to the enclosed request should be provided by June 19, 2015. This request was discussed with Mr. Tim Byam of your staff on April 22, 2015.

B. Hanson

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Should you have any questions, please contact me at 301-415-1380 or by email at blake.purnell@nrc.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Blake Purnell". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Blake Purnell, Project Manager
Plant Licensing III-2 and
Planning and Analysis Branch
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-461

Enclosure:
Request for Additional Information

cc w/encl: Listserv

REQUEST FOR ADDITIONAL INFORMATION

LICENSE AMENDMENT REQUEST TO REVISE TECHNICAL SPECIFICATION 5.5.2,

"PRIMARY COOLANT SOURCES OUTSIDE CONTAINMENT"

CLINTON POWER STATION, UNIT 1

DOCKET NO. 50-461

By application dated November 17, 2014 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML14321A882), Exelon Generation Company, LLC (the licensee) submitted a request to revise Technical Specification (TS) 5.5.2, "Primary Coolant Sources Outside Containment," for Clinton Power Station (CPS), Unit 1. The reason for the request is to support the CPS transition from 2-year to 1-year refueling cycles. Currently, TS 5.5.2 requires that an integrated leak test be performed on each system subject to TS 5.5.2 at refueling cycle intervals or less. The proposed change would require this test to be performed at least once per 24 months. The U.S. Nuclear Regulatory Commission staff is reviewing the application and has determined that the additional information below is needed to complete its review.

RAI-1

Provide the integrated leak test data for each system under TS 5.5.2 for the last two outages, including the test acceptance criterion, test pressure, as-found and as-left test leakage rate, and failed components.

RAI-2

Provide justification why the proposed "Refueling Only Outage" will not significantly impact the leakage pathways and associated leakage rates for each system under TS 5.5.2.

Enclosure

B. Hanson

- 2 -

Should you have any questions, please contact me at 301-415-1380 or by email at blake.purnell@nrc.gov.

Sincerely,

/RA/

Blake Purnell, Project Manager
Plant Licensing III-2 and
Planning and Analysis Branch
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-461

Enclosure:
Request for Additional Information

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ADAMS Accession No.:ML15106A928

*via memo

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