



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

June 29, 2016

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: DRESDEN NUCLEAR POWER STATION, UNITS 2 AND 3; LASALLE COUNTY STATION, UNITS 1 AND 2; AND QUAD CITIES NUCLEAR POWER STATION, UNITS 1 AND 2 – REQUEST FOR ADDITIONAL INFORMATION REGARDING LICENSE AMENDMENT REQUEST TO REVISE SECONDARY CONTAINMENT ACCESS OPENING REQUIREMENTS (CAC NOS. MF7325–MF7330)

Dear Mr. Hanson:

By application dated February 3, 2016 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML16034A542), Exelon Generation Company, LLC (the licensee) submitted a request to revise Surveillance Requirement (SR) 3.6.4.1.2 for Dresden Nuclear Power Station, Units 2 and 3; LaSalle County Station, Units 1 and 2; and Quad Cities Nuclear Power Station, Units 1 and 2. The proposed change would revise SR 3.6.4.1.2 to provide an allowance for brief, inadvertent, simultaneous opening of redundant secondary containment access doors during normal entry and exit conditions.

The U.S. Nuclear Regulatory Commission has reviewed the application and determined that it needs additional information to complete its review. A response to the enclosed request for additional information is requested to be provided within 30 days from the date of this letter.

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 "B. Purnell". The signature is fluid and cursive, with the first name being more prominent.

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

Docket Nos. 50-237, 50-249, 50-373, 50-374,
50-254, and 50-265

Enclosure:
Request for Additional Information

cc w/encl: Distribution via Listserv

REQUEST FOR ADDITIONAL INFORMATION
LICENSE AMENDMENT REQUEST TO REVISE
REQUIREMENTS FOR SECONDARY CONTAINMENT ACCESS OPENINGS
DRESDEN NUCLEAR POWER STATION, UNITS 2 AND 3
LASALLE COUNTY STATION, UNITS 1 AND 2
QUAD CITIES NUCLEAR POWER STATION, UNITS 1 AND 2
DOCKET NOS. 50-237, 50-249, 50-373, 50-374, 50-254, AND 50-265

By application dated February 3, 2016 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML16034A542), Exelon Generation Company, LLC (the licensee) submitted a request to revise Surveillance Requirement (SR) 3.6.4.1.2 for Dresden Nuclear Power Station, Units 2 and 3 (Dresden); LaSalle County Station, Units 1 and 2 (LaSalle); and Quad Cities Nuclear Power Station, Units 1 and 2 (Quad Cities). The proposed change would revise SR 3.6.4.1.2 to provide an allowance for brief, inadvertent, simultaneous opening of redundant secondary containment access doors during normal entry and exit conditions.

The U.S. Nuclear Regulatory Commission (NRC) has reviewed the application and determined that the information below is needed to complete its review.

Background

The application provides a limited discussion of the engineered and administrative controls which will be used to ensure that simultaneous opening of the redundant secondary containment access doors will remain brief and infrequent. The application states that "interlocks may not be effective," but does not describe the use of interlocks at Dresden, LaSalle, and Quad Cities.

The applications states:

For inadvertent, simultaneous opening of the doors, the administrative controls involve the fact that both doors are under continuous control of the individuals accessing the doors, and that the doors are promptly closed following entry and exit, restoring the secondary containment boundary. The phrase "being used for entry and exit" in the proposed change ensures that the time both doors may be open simultaneously is limited to the time it takes to traverse through a door, which is insignificant.

The application further states:

If an accident should occur during the brief period that both doors could be open for entry and exit, and should that accident require secondary containment

Enclosure

vacuum to be established by the SGT [standby gas treatment] system, it might not be possible for the SGT system to establish the required vacuum until the door is closed. However, the accident analyses assume only one SGT subsystem is in operation and the secondary containment is initially at atmospheric pressure. Therefore, the few seconds required to close at least one secondary containment door should not have any significant effect on the ability to establish secondary containment vacuum as assumed in the accident analysis.

RAI-1

Provide assurance that adequate engineered and administrative controls will be used at each facility to ensure that simultaneous opening of the redundant secondary containment access doors will remain brief and infrequent. Describe any internal reporting, documenting, monitoring and trending which will be performed to ensure the adequacy of these controls. Discuss any differences between the current controls and the planned controls following the proposed change.

RAI-2

Provide a quantitative comparison of the time with which both doors may be opened simultaneously to the margin in the secondary containment drawdown time assumed in the design-bases analysis for each facility. Explain how the functional capability of secondary containment and the SGT system will be maintained during brief, inadvertent, simultaneous opening of the inner and outer access doors.

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,

/RA/

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

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50-254, and 50-265

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ADAMS Accession No. ML16172A111

***by email**

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