



RS-13-211

10 CFR 50.54(f)

August 28, 2013

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
11555 Rockville Pike,
Rockville, MD 20852

Quad Cities Nuclear Power Station, Units 1 and 2
Renewed Facility Operating License Nos. DPR-29 and DPR-30
NRC Docket Nos. 50-254 and 50-265

Subject: Supplemental Response to NRC Request for Information Pursuant to 10 CFR 50.54(f) Regarding the Flooding Aspects of Recommendation 2.1 of the Near-Term Task Force Review of Insights from the Fukushima Dai-ichi Accident

References:

1. NRC Letter, Request for Information Pursuant to Title 10 of the Code of Federal Regulations 50.54(f) Regarding Recommendations 2.1, 2.3, and 9.3, of the Near-Term Task Force Review of Insights from the Fukushima Dai-ichi Accident, dated March 12, 2012
2. Exelon Generation Company, LLC letter to USNRC, Response to March 12, 2012, Request for Information Enclosure 2, Recommendation 2.1, Flooding, Required Response 2, Flooding Hazard Reevaluation Report, dated March 12, 2013 (RS-13-047)

On March 12, 2012, the NRC issued Reference 1 to all power reactor licensees and holders of construction permits in active or deferred status. Enclosure 2 of Reference 1 requested that each licensee perform a reevaluation of external flooding sources and report the results in accordance with the NRC's prioritization plan. Exelon Generation Company, LLC (EGC) submitted the flood reevaluation for Quad Cities Nuclear Power Station, Units 1 and 2 in Reference 2. Reference 2 contains interim actions that EGC has taken or plans to take to address higher flooding hazards relative to the design basis until the integrated assessment is completed.

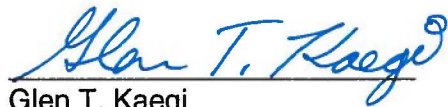
The enclosed table provides a list of the interim actions taken or planned to be taken as contained in Reference 2 along with additional information and the dates by which they have or will be implemented. These interim actions have been converted into commitments as requested by the NRC and are identified in the enclosed table. Also as requested by the NRC, EGC will not modify these commitments or completion dates without notifying the NRC in advance.

This letter contains new regulatory commitments as identified in the enclosed table.

Should you have any questions concerning the content of this letter, please contact Ron Gaston at (630) 657-3359.

I declare under penalty of perjury that the foregoing is true and correct. Executed on the 28th day of August 2013.

Respectfully submitted,



Glen T. Kaegi
Director - Licensing & Regulatory Affairs
Exelon Generation Company, LLC

Enclosure:

1. Quad Cities Nuclear Power Station, Units 1 and 2 – Flood Hazard Reevaluation Report Interim Action Commitments

cc: Director, Office of Nuclear Reactor Regulation
Regional Administrator - NRC Region III
NRC Senior Resident Inspector - Quad Cities Nuclear Power Station
NRC Project Manager, NRR - Quad Cities Nuclear Power Station
Ms. Jessica A. Kratchman, NRR/JLD/PMB, NRC
Mr. Eric E. Bowman, NRR/DPR/PGCB, NRC or Ms. Eileen M. McKenna, NRO/DSRA/BPTS,
NRC
Illinois Emergency Management Agency - Division of Nuclear Safety

Enclosure 1: Quad Cities Nuclear Power Station, Units 1 and 2 – Flood Hazard Reevaluation Report Interim Action Commitments* (“Commitments” are bolded header columns)

Item Number	Interim Actions Taken or Planned to Take as Included in the Reevaluation Report (Commitment*)	Report Reference	Additional Information	Implementation Date (Committed* Date or Outage)	Commitment Type One-Time Action* (Yes/No)	Commitment Type Programmatic* (Yes/No)
The local intense precipitation interim evaluation will include:						
1.	A visual inspection of plant grade level doors to confirm proper operation and assess seal condition.	Report Cover Letter, Section d.ii	Some of the plant grade level doors do not have seals, as seals are not required by the current design basis requirements. The results of this action are being evaluated under Interim Action Item Number 3.	Completed March 18, 2013	Yes	No
2.	A visual inspection of plant drainage system components to confirm functionality.	Report Cover Letter, Section d.ii	The overall drainage system condition was found acceptable.	Completed March 14, 2013	Yes	No

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3.	<p>An evaluation of the effects of local intense precipitation event on the plant, with respect to:</p> <ul style="list-style-type: none"> - Building structures and doors and amount of leakage the doors would allow; - How the leakage through the doors affect plant equipment; - Recommended actions based on the results of the evaluations; and - Prioritizing actions for high risk areas. 	Report Cover Letter, Section d.ii		April 4, 2014	Yes	No

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4.	Develop and implement appropriate operational response procedures to mitigate the effects of the LIP Event.	Report Cover Letter, Section d.ii	Procedure QCOA 0010-22 (Local Intense Precipitation Procedure) was developed.	Completed March 14, 2013	Yes	No
5.	Perform additional local intense precipitation calculations to further explore site drainage affects.	Report Cover Letter, Section d.ii	Calculations LIP-QDC-002 and LIP-QDC-003 were developed in accordance with Appendix B of NUREG/CR-7046, Case 1 and Case 2, respectively.	Completed June 27, 2013	Yes	No
6.	Obtaining a site survey so that the results of the local intense precipitation analysis can be directly correlated to the door sill elevations.	Report Cover Letter, Section d.ii	The results of this action are being evaluated under Interim Action Item Number 3.	Completed August 8, 2013	Yes	No

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7.	Determine if interim flood barriers are warranted until the 2-Year Integrated Assessment Report is complete.	Report Cover Letter, Section d.ii		May 30, 2014	Yes	No
The river flood and combined-effects flood interim evaluation will include:						
8.	Evaluate the effects of wind-generated waves on the plant.	Report Cover Letter, Section d.ii		November 15, 2013	Yes	No
9.	Evaluate the effects of hydrodynamic and debris impact loading on the plant.	Report Cover Letter, Section d.ii		November 15, 2013	Yes	No

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10.	Revise Flooding Procedures to incorporate new issues (as appropriate) in accordance with updated river flood calculations.	Report Cover Letter, Section d.ii	Revisions to QCOA 0010-16 (Flood Emergency Procedure) have been made to address evaluations completed to date. Additional revisions may be made as appropriate based on the results of completed Interim Actions.	July 18, 2014	Yes	No