



10 CFR 50.54(f)

RS-14-276

October 6, 2014

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555-0001

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: Response to Request for Additional Information Regarding Fukushima Lessons Learned - Flood Hazard Reevaluation Report

References:

1. 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)
2. **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
3. Exelon Generation Company, LLC, Letter to USNRC, Response to Request for Additional Information Regarding Fukushima Lessons Learned - Flood Hazard Reevaluation Report, dated July 3, 2014 (RS-14-173)
4. NRC Email Request for Additional Information Regarding Fukushima Lessons Learned - Flood Hazard Reevaluation Report, dated September 8, 2014

In Reference 1, Exelon Generation Company, LLC (EGC) provided the Quad Cities Nuclear Power Station, Units 1 and 2, Flooding Hazard Reevaluation Report in response to the March 12, 2012 Request for Information Enclosure 2, Recommendation 2.1, Flooding, Required Response 2, (Reference 2). In Reference 3, EGC provided the response to the NRC request for additional information (RAI) regarding the Quad Cities Nuclear Power Station, Units 1 and 2 Flooding Hazard Reevaluation Report.

The purpose of this letter is to provide the information supporting the response to RAI No. 12 as requested by the NRC in Reference 4, and discussed on September 12, 2014, regarding the Quad Cities Nuclear Power Station, Units 1 and 2 Flooding Hazard Reevaluation Report. The enclosure to this letter provides the following documents (electronic files) documenting the requested detailed description of the alternative dew point climatology supporting the RAI No. 12 response:

1. Appendix F of the Enercon/AWA PMP Calculation QDC-0085-S-1989

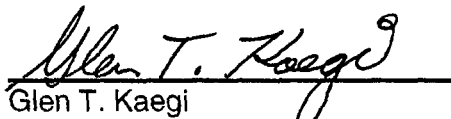
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2. Nebraska Statewide PMP Report
3. Arizona Statewide PMP Report
4. Initial Long List of Storms from the Enercon/AWA Calculation QDC-0085-S-1989(Excel file)
5. Quad Cities FHRR-RAI 12 – Document Information with references to the specific sections of the above reports

This letter contains no new regulatory commitments. If you have any questions regarding this report, please contact Ron Gaston at (630) 657-3359.

I declare under penalty of perjury that the foregoing is true and correct. Executed on the 6<sup>th</sup> day of October 2014.

Respectfully submitted,



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

Enclosure:

DVD labeled: Quad Cities Nuclear Power Station, Units 1 and 2 Flood Hazard Re-evaluation Report RAI #12 Supplemental Response (RS-14-276)

**Document Components:**

- 1- Appendix F in Attachment 2 of QDC-0085-S-1989.pdf
- 2- Nebraska PMP Final Report.pdf
- 3- Arizona PMP Final Report.pdf
- 4- QDC – Initial Long List of Storms.xlsx
- Quad Cities FHRR-RAI 12 –Document-ReadMe.docx

cc: Director, Office of Nuclear Reactor Regulation  
NRC Regional Administrator - Region III  
NRC Senior Resident Inspector –Quad Cities Nuclear Power Station, Units 1 and 2  
NRC Project Manager, NRR – Quad Cities Nuclear Power Station, Units 1 and 2  
Mr. Victor E. Hall, NRR/JLD/PPSD/JHMB, NRC  
Mr. Robert Kuntz, NRR/JLD/PPSD/JHMB, NRC  
Illinois Emergency Management Agency - Division of Nuclear Safety

**Enclosure**

**DVD labeled**

**Quad Cities Nuclear Power Station, Units 1 and 2**

**Flood Hazard Re-evaluation Report**

**RAI #12 Supplemental Response (RS-14-276)**