

June 18, 2010

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

Peach Bottom Atomic Power Station, Units 2 and 3  
Renewed Facility Operating License Nos. DPR-44 and DPR-56  
NRC Docket Nos. 50-277 and 50-278

Subject: License Amendment Request - Revision to Technical Specification 4.3.1.1.a  
Concerning k-infinity

- References:
- 1) Letter from P. B. Cowan (Exelon Generation Company, LLC) to U.S. Nuclear Regulatory Commission, "License Amendment Request – Revision to Technical Specification 4.3.1.1.a Concerning k-infinity," dated June 25, 2008
  - 2) Letter from J. D. Hughey (U.S. Nuclear Regulatory Commission) to P. B. Cowan (Exelon Generation Company, LLC), "Peach Bottom Atomic Power Station, Unit Nos. 2 and 3: Request for Withholding Information From Public Disclosure (TAC NOS. MD9154 and MD9155)" (concerning the Northeast Technology Corporation submittal), dated October 10, 2008
  - 3) Letter from J. D. Hughey (U.S. Nuclear Regulatory Commission) to P. B. Cowan (Exelon Generation Company, LLC), "Peach Bottom Atomic Power Station, Unit Nos. 2 and 3: Request for Withholding Information From Public Disclosure (TAC NOS. MD9154 and MD9155)" (concerning the Global Nuclear Fuel submittal), dated October 10, 2008
  - 4) Letter from P. B. Cowan (Exelon Generation Company, LLC) to U.S. Nuclear Regulatory Commission, "Response to Request for Additional Information – Revision to Technical Specification 4.3.1.1.a Concerning k-infinity," dated November 6, 2008
  - 5) Letter from J. D. Hughey (U.S. Nuclear Regulatory Commission) to P. B. Cowan (Exelon Generation Company, LLC), "Peach Bottom Atomic Power Station, Unit Nos. 2 and 3: Request for Withholding Information From Public Disclosure (TAC NOS. MD9154 and MD9155)," dated December 29, 2008

- 6) Letter from J. D. Hughey (U.S. Nuclear Regulatory Commission) to P. B. Cowan (Exelon Generation Company, LLC), "Peach Bottom Atomic Power Station, Unit Nos. 2 and 3: Request for Proprietary Review of Request for Additional Information Regarding License Amendment Request to Revise Technical Specification 4.3.1.1.a Concerning k-infinity (TAC NOS. MD9154 and MD9155)," dated January 21, 2009
- 7) Letter from P. B. Cowan (Exelon Generation Company, LLC) to U.S. Nuclear Regulatory Commission, "Response to Request for Additional Information - Revision to Technical Specification 4.3.1.1.a Concerning k-infinity," dated March 9, 2009
- 8) Letter from J. D. Hughey (U.S. Nuclear Regulatory Commission) to P. B. Cowan (Exelon Generation Company, LLC), "Peach Bottom Atomic Power Station, Units 2 and 3: Request for Withholding Information From Public Disclosure (TAC NOS. MD9154 and MD9155)" (concerning NET-264-02, Rev. 1), dated May 13, 2009
- 9) Letter from J. D. Hughey (U.S. Nuclear Regulatory Commission) to P. B. Cowan (Exelon Generation Company, LLC), "Peach Bottom Atomic Power Station, Unit Nos. 2 and 3: Request for Withholding Information From Public Disclosure (TAC NOS. MD9154 and MD9155)" (concerning NET-264-02, Rev. 2, NET-264-03, Rev. 0, and Response to RAI), dated May 13, 2009
- 10) Letter from P. B. Cowan (Exelon Generation Company, LLC) to U.S. Nuclear Regulatory Commission, "Response to Request for Additional Information - Revision to Technical Specification 4.3.1.1.a Concerning k-infinity," dated June 12, 2009
- 11) Letter from J. D. Hughey (U.S. Nuclear Regulatory Commission) to P. B. Cowan (Exelon Generation Company, LLC), "Peach Bottom Atomic Power Station, Unit Nos. 2 and 3: Request for Withholding Information From Public Disclosure (TAC NOS. MD9154 and MD9155)" (concerning NET-264-02 P, Rev. 1), dated September 16, 2009
- 12) Letter from J. D. Hughey (U.S. Nuclear Regulatory Commission) to P. B. Cowan (Exelon Generation Company, LLC), "Peach Bottom Atomic Power Station, Unit Nos. 2 and 3: Request for Withholding Information From Public Disclosure (TAC NOS. MD9154 and MD9155)" (concerning NET-264-02, Rev. 3, NET-264-03, Rev. 1, and Response to RAI, Rev. 1), dated September 16, 2009
- 13) Letter from P. B. Cowan (Exelon Generation Company, LLC) to U.S. Nuclear Regulatory Commission, "Revised Criticality Analysis - Revision to Technical Specification 4.3.1.1.a Concerning k-infinity," dated December 18, 2009


- 14) Letter from J. D. Hughey (U.S. Nuclear Regulatory Commission) to C. G. Pardee (Exelon Generation Company, LLC), "Peach Bottom Atomic Power Station, Units 2 and 3: Request for Additional Information Regarding License Amendment Request to Revise Technical Specification 4.3.1.1.a Concerning k-infinity (TAC NOS. MD9154 and MD9255)," dated March 4, 2010
- 15) Letter from D. P. Helker (Exelon Generation Company, LLC) to U.S. Nuclear Regulatory Commission, "Response to Request for Additional Information - Revision to Technical Specification 4.3.1.1.a Concerning k-infinity," dated March 26, 2010

In the Reference 1 letter, Exelon Generation Company, LLC (Exelon) requested an amendment to Appendix A, Technical Specifications, of the Renewed Facility Operating Licenses DPR-44 and DPR-56. The proposed change would revise the maximum k-infinity value contained in Technical Specification 4.3.1.1.a for the storage of fuel assemblies in the spent fuel storage racks. Additional correspondence concerning this issue is identified in References 2 through 15.

As a result of further review, Exelon is withdrawing this amendment request.

If any additional information is needed, please contact Tom Loomis at (610) 765-5510.

Respectfully,

*PBX*   
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Pamela B. Cowan  
Director, Licensing & Regulatory Affairs  
Exelon Generation Company, LLC

cc: USNRC Region I, Regional Administrator  
USNRC Senior Resident Inspector, PBAPS  
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