

10 CFR 50.54(f)

RS-07-091

June 12, 2007

U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D.C. 20555

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: Additional Information Supporting the 60-Day Response to Generic Letter 2006-03, "Potentially Nonconforming Hemyc and MT Fire Barrier Configurations"

- References:
- (1) Letter from T. S. O'Neill (Exelon Generation Company, LLC) to USNRC, "60-Day Response to Generic Letter 2006-03, 'Potentially Nonconforming Hemyc and MT Fire Barrier Configurations'," dated June 6, 2006
  - (2) Letter from USNRC to C. M. Crane (Exelon Generation Company, LLC), "Braidwood Station, Units 1 and 2; Clinton Power Station, Unit No. 1; and Quad Cities Nuclear Power Station, Units 1 and 2 – Request for Additional Information Related to Generic Letter 2006-03, 'Potentially Nonconforming Hemyc and MT Fire Barrier Configurations'," dated May 2, 2007
  - (3) Letter from D. M. Benyak (Exelon Generation Company, LLC) to USNRC, "Additional Information Supporting the 60-Day Response to Generic Letter 2006-03, 'Potentially Nonconforming Hemyc and MT Fire Barrier Configurations'," dated May 31, 2007

In Reference 1, Exelon Generation Company, LLC (EGC) and AmerGen Energy Company, LLC (AmerGen) provided the 60-day written response to Generic Letter (GL) 2006-03, "Potentially Nonconforming Hemyc and MT Fire Barrier Configurations." The GL requested information regarding the use of Hemyc and MT fire barrier materials and

whether they are relied upon for separation and/or safe shutdown purposes. Additionally, the GL requested a description of the controls used to ensure other fire barrier types were capable of providing the necessary level of protection.

In Reference 2, the NRC indicated that additional information was required to complete the review of the EGC and AmerGen response to GL 2006-03 for Braidwood Station Units 1 and 2, Clinton Power Station, Unit 1 and Quad Cities Nuclear Power Station, Units 1 and 2.

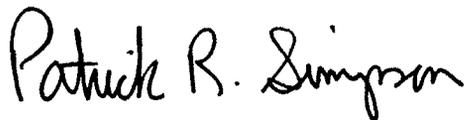
The requested information for Braidwood Station, Units 1 and 2, and Clinton Power Station was provided in Reference 3. The Attachment to this letter provides the requested information for Quad Cities Nuclear Power Station, Units 1 and 2.

There are no regulatory commitments contained within this letter.

Should you have any questions concerning this letter, please contact Mr. John L. Schrage at (630) 657-2819.

I declare under penalty of perjury that the foregoing is true and correct. Executed on the 12<sup>th</sup> day of June 2007.

Respectfully,

A handwritten signature in black ink that reads "Patrick R. Simpson". The signature is written in a cursive, flowing style.

Patrick R. Simpson  
Manager - Licensing  
Exelon Generation Company, LLC

Attachment: Quad Cities Nuclear Power Station, Units 1 and 2, Response to Request for Additional Information Related to Generic Letter 2006-03

ATTACHMENT  
Quad Cities Nuclear Power Station, Units 1 and 2  
Response to Request for Additional Information Related to Generic Letter 2006-03

**NRC Request**

The Nuclear Regulatory Commission (NRC) staff reviewed Exelon Generation Company, LLC's response dated June 6, 2006, to Generic Letter (GL) 2006-03, "Potentially Nonconforming Hemyc and MT Fire Barrier Configurations," dated April 10, 2006, and determined that additional information was needed to complete its review.

The current NRC guidance for raceway protection is contained in GL 86-10, "Implementation of Fire Barrier Requirements," Supplement 1. Please provide the following clarification to your June 6, 2006, GL 2006-03 response.

Were the as-installed Versa Wrap and Darmatt electrical raceway fire barrier system (ERFBS) for Quad Cities Nuclear Power Station, Units 1 and 2 tested and evaluated (for deviations from the testing) in accordance with the GL 86-10, Supplement 1 guidance?

**Response**

As part of the Appendix R optimization efforts in the late 1990s, Exelon Generation Company, LLC (EGC) implemented three modifications at Quad Cities Nuclear Power Station (QCNPS) that utilized either the Versa Wrap or Darmatt ERFBS.

Based upon a review of the documentation associated with the QCNPS Unit 1 and Unit 2 plant modifications, EGC has confirmed that the Darmatt KM-1 and Versa Wrap ERFBS were tested and evaluated in accordance with GL 86-10, Supplement 1 guidance.