



SVP-15-052

July 8, 2015

U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D.C. 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: Regulatory Commitment Change Summary Report**

Enclosed is the Exelon Generation Company, LLC (EGC) Regulatory Commitment Change Summary Report for Quad Cities Nuclear Power Station (QCNPS). The enclosure reports changes processed during the period June 1, 2014, through May 31, 2015. Revisions to commitments were processed in accordance with Nuclear Energy Institute (NEI) 99-04, "Guidelines for Managing NRC Commitment Changes."

Should you have any questions concerning this letter, please contact Mr. W. J. Beck at (309) 227-2800.

Respectfully,

A handwritten signature in black ink, appearing to read "Scott Darin", written over the word "Respectfully,".

Scott Darin  
Site Vice President  
Quad Cities Nuclear Power Station

cc: Regional Administrator – NRC Region III  
NRC Senior Resident Inspector – Quad Cities Nuclear Power Station

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QCNPS Regulatory Commitment Change Summary Report  
June 1, 2014 - May 31, 2015

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Commitment Change Tracking Number: 15-01

Source Document: Dresden/Quad Cities License Renewal Application, Appendix A, Section A.1.2, and Appendix B, Section B.1.2

Change Approved On: 1/28/2015

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Original Commitment Description

In the application for the renewed Operating License (per 10 CFR 54) Exelon made commitments to EPRI reference documents in System Chemistry Procedures, which have been maintained in implementing procedure revisions or subsequent procedures. The commitments have been evaluated against "BWRVIP-190: BWR Vessel and Internals Project, BWR Water Chemistry Guidelines-2008 Revision". The most recent guideline, BWRVIP-190: BWR Vessel and Internals Project, BWR Water Chemistry Guidelines-2008 Revision, TR 1016579 has been issued to the industry and incorporated into the system chemistry control procedures. The BWR Water Chemistry Guidelines Committee and the Mitigation Committee of the BWR Vessel and Internals Program (BWRVIP) prepared this document to provide proactive water chemistry guidance for mitigating IGSCC, maintaining fuel integrity, and controlling radiation fields. The BWR Water Chemistry Guidelines continues to focus on intergranular stress corrosion cracking (IGSCC), which can limit the service life of susceptible materials and components in boiling water reactor (BWR) water environments. The guidelines also place increased emphasis on fuel performance concerns toward meeting the industry goal of zero fuel failures. Many plants have adopted noble metal chemical application (NMCA), and recently On-line NobleChem™ (OLNC) is being demonstrated and applied. This document addresses issues with IGSCC mitigation, fuel performance, and radiation fields, aligned with the radiation protection RP2020 initiative. The water chemistry program for boiling water reactors (BWRs) relies on monitoring and control of reactor water chemistry based on industry guidelines such as the boiling water reactor vessel and internals project (BWRVIP)-29 (Electric Power Research Institute [EPRI] TR-103515) or later revisions.

Revised Commitment Description

Commitments to EPRI reference documents in System Chemistry Procedures were made in the application for the renewed Operating License per 10 CFR 54 and will be carried forward into new implementing procedure revisions or subsequent procedures. The commitments have been evaluated against "BWRVIP-190: BWR Vessel and Internals Project, BWR Water Chemistry Guidelines-Revision 1" (Technical Report 3002002623).

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Justification For Revision

BWRVIP-190: BWR Vessel and Internals Project, BWR Water Chemistry Guidelines- Revision 1 represents the latest industry experience, knowledge, and strategy in the management of reactor water, ancillary and support systems chemistry.