

August 11, 2006

EA-06-112

Mr. Christopher M. Crane
President and Chief Nuclear Officer
Exelon Nuclear
Exelon Generation Company, LLC
Quad Cities Nuclear Power Station
4300 Winfield Road
Warrenville, IL 60555

SUBJECT: ACKNOWLEDGMENT OF RESPONSE TO FINAL SIGNIFICANCE
DETERMINATION LETTER DATED JUNE 29, 2006, FOR A WHITE FINDING
AND NOTICE OF VIOLATION (NRC INSPECTION REPORT
NO. 05000254/2006014), QUAD CITIES NUCLEAR POWER STATION, UNIT 1

Dear Mr. Crane:

The NRC acknowledges the receipt of your letter dated July 27, 2006, in response to the White finding and Notice of Violation transmitted in NRC inspection report 05000254/2006014. In your letter, you concurred with the violation and provided a rationale for its occurrence. You indicated that the cause of the violation was the failure to correct the long-standing source of main steam line vibrations. A contributing factor was a failure to recognize the design limitations of the electromatic relief valve actuator design at extended power uprate conditions. Your letter provided information about acoustic side branch (ASB) modifications which you implemented to reduce main steam line vibrations by addressing the source of the vibrations and modifications to improve electromatic relief valve (ERV) actuator performance. Your letter also discussed additional causal factors related to organizational effectiveness and actions you plan to take to address this area.

We have reviewed your response and considered whether it is necessary for us to conduct a supplemental inspection in accordance with Inspection Procedure 95001 as prescribed by the Reactor Oversight Program in response to a single White finding, since many of the technical details related to the White finding were already inspected during either the Degraded ERV Special Inspection or activities surrounding the installation of the above modifications for the ASBs and the ERVs. We have concluded that it is still appropriate for us to conduct the IP 95001 inspection. Accordingly, we will be scheduling an IP 95001 Supplemental Inspection following the completion of your planned corrective actions, described in your letter as scheduled for the end of 2006.

If you have any questions regarding this letter, please contact Mr. Mark Ring, Chief, Reactor Projects, Branch 1 at (630) 829-9703.

Sincerely,

/RA by Steve West Acting for/

Mark A. Satorius, Director
Division of Reactor Projects

Docket Nos. 50-254; 50-265; 72-053
License Nos. DPR-29; DPR-30

cc w/encl: Site Vice President - Quad Cities Nuclear Power Station
 Plant Manager - Quad Cities Nuclear Power Station
 Regulatory Assurance Manager - Quad Cities Nuclear Power Station
 Chief Operating Officer
 Senior Vice President - Nuclear Services
 Senior Vice President - Mid-West Regional
 Operating Group
 Vice President - Mid-West Operations Support
 Vice President - Licensing and Regulatory Affairs
 Director Licensing - Mid-West Regional
 Operating Group
 Manager Licensing - Dresden and Quad Cities
 Senior Counsel, Nuclear, Mid-West Regional
 Operating Group
 Document Control Desk - Licensing
 Vice President - Law and Regulatory Affairs
 Mid American Energy Company
 Assistant Attorney General
 Illinois Emergency Management Agency
 State Liaison Officer, State of Illinois
 State Liaison Officer, State of Iowa
 Chairman, Illinois Commerce Commission
 D. Tubbs, Manager of Nuclear
 MidAmerican Energy Company

C. Crane

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 Senior Vice President - Nuclear Services
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 Operating Group
 Vice President - Mid-West Operations Support
 Vice President - Licensing and Regulatory Affairs
 Director Licensing - Mid-West Regional
 Operating Group
 Manager Licensing - Dresden and Quad Cities
 Senior Counsel, Nuclear, Mid-West Regional
 Operating Group
 Document Control Desk - Licensing
 Vice President - Law and Regulatory Affairs
 Mid American Energy Company
 Assistant Attorney General
 Illinois Emergency Management Agency
 State Liaison Officer, State of Illinois
 State Liaison Officer, State of Iowa
 Chairman, Illinois Commerce Commission
 D. Tubbs, Manager of Nuclear
 MidAmerican Energy Company

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