February 14, 2008

Mr. Charles G. Pardee
Chief Nuclear Officer and
Senior Vice President
Exelon Generation Company, LLC
4300 Winfield Road
Warrenville IL 60555

SUBJECT: BYRON STATION - NRC EMERGENCY PREPAREDNESS ANNUAL INSPECTION REPORT NO. 05000454/2007501; 05000455/2007501; NRC SECURITY ANNUAL INSPECTION REPORT NO. 05000454/2007403; 05000455/2007403

Dear Mr. Pardee:

On December 31, 2007, the NRC staff completed its annual inspection of the Emergency Preparedness Program at the Byron Station. This inspection began on January 1, 2007. Issuance of this letter closes Inspection Report Number 2007501. On December 31, 2007, the NRC staff also completed its annual inspection of the Security Program at the Byron Station. This inspection began on January 1, 2007. Issuance of this letter closes Inspection Report Number 2007403. Some of the time NRC expended during routine Emergency Preparedness and Security Program reviews was charged to these report numbers. Any observations and findings in these areas were provided to you via separate correspondence.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter, and your response, if any, will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records System (PARS) component of NRC's Agencywide Documents Access and Management System (ADAMS). Inspection reports are posted on the Reactor Oversight Process (ROP) Web page. ADAMS is accessible from the NRC Website at http://www.nrc.gov/reading-rm/adams.html (the Public Electronic Reading Room).

Sincerely,

/RA/

Eric Duncan, Chief
Plant Support Branch
Division of Reactor Safety

Docket Nos. 50-454; 50-455
License Nos. NPF-37; NPF-66

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Letter to Charles G. Pardee from Eric Duncan dated February 14, 2008.

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cc: Site Vice President - Byron Station
Plant Manager - Byron Station
Regulatory Assurance Manager - Byron Station
Chief Operating Officer and Senior Vice President
Senior Vice President - Midwest Operations
Senior Vice President - Operations Support
Vice President - Licensing and Regulatory Affairs
Director - Licensing and Regulatory Affairs
Manager Licensing - Braidwood, Byron, and LaSalle
Associate General Counsel
Document Control Desk - Licensing
Assistant Attorney General
Illinois Emergency Management Agency
State Liaison Officer, State of Illinois
State Liaison Officer, State of Wisconsin
Chairman, Illinois Commerce Commission
B. Quigley, Byron Station

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