



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**

REGION III  
2443 WARRENVILLE ROAD, SUITE 210  
LISLE, IL 60532-4352

January 26, 2010

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

SUBJECT: BYRON STATION, UNITS 1 AND 2  
NRC EMERGENCY PREPAREDNESS ANNUAL INSPECTION REPORT  
NO. 05000454/2009501; 05000455/2009501; NRC SECURITY ANNUAL  
INSPECTION REPORT NO. 05000454/2009401; 05000455/2009401

Dear Mr. Pardee:

On December 31, 2009, the NRC staff completed its annual inspection of the Emergency Preparedness Program at the Byron Station. This inspection began on January 1, 2009. Issuance of this letter closes Inspection Report Number 2009501. On December 31, 2009, the NRC staff also completed its annual inspection of the Security Program at the Byron Station. This inspection began on January 1, 2009. Issuance of this letter closes Inspection Report Number 2009401. 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), accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Sincerely,

*/RA/*

Hironori Peterson, Chief  
Operations Branch  
Division of Reactor Safety

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

cc: Distribution via ListServ

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Letter to Charles G. Pardee from Hironori Peterson dated January 26, 2010.

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