



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**

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

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August 25, 2011

Mr. Michael J. Pacilio  
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 SECURITY BASELINE INSPECTION REPORT 05000454/2011403(DRS);  
05000455/2011403(DRS)

Dear Mr. Pacilio:

On August 12, 2011, the U. S. Nuclear Regulatory Commission (NRC) completed a security baseline inspection at your Byron Station, Units 1 and 2. The inspection covered one or more of the key attributes of the security cornerstone of the NRC's Reactor Oversight Process. The enclosed inspection report documents the inspection results, which were discussed on August 12, 2011, with Mr. T. Toulon and other members of your staff.

The inspection examined activities conducted under your licenses as they relate to security and compliance with the Commission's rules and regulations and with the conditions of your licenses. The inspectors reviewed selected procedures and records, observed activities, and interviewed personnel.

Based on the results of the inspection, no findings of significance were identified.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter 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 document system, ADAMS. ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room). However, because of the security-related concerns contained in the enclosure, and in accordance with 10 CFR 2.390, a copy of this letter's enclosure will not be available for public inspection.

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M. Pacilio

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Should you have any questions concerning this inspection, we will be pleased to discuss them with you.

Sincerely,

***/RA by D. Funk for/***

Richard A. Skokowski, Chief  
Plant Support Branch  
Division of Reactor Safety

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

Nonpublic Enclosure: Inspection Report 05000454/2011403(DRS);  
05000455/2011403(DRS)  
w/Attachment: Supplemental Information

cc w/encl: S. Coker, NSIR/DSO/DDSO/ST  
C. Johnson, NSIR  
J. Trapp, Region I  
M. Ernstes, RII  
M. Hay, RIV  
L. Askren, Byron Station Security Manager  
J. Klinger, State Liaison Officer,  
Illinois Emergency Management Agency

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