



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

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

July 10, 2012

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 05000454/2012403(DRS); 05000455/2012403(DRS)

Dear Mr. Pacilio:

On June 8, 2012, the U. S. Nuclear Regulatory Commission (NRC) completed a security baseline inspection at your Byron Station. 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 June 8, 2012, with Mr. T. Tulon and other members of your staff.

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

Based on the results of this inspection, no findings 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 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). 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.

Enclosure contains Sensitive Unclassified
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from enclosure, this transmittal document is
decontrolled.

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/

Mel Holmberg, Acting Chief
Plant Support Branch
Division of Reactor Safety

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

Nonpublic Enclosure: Inspection Report 05000454/2012403(DRS);
05000455/2012403(DRS)
w/Attachment: Supplemental Information

cc w/encl: S. Coker, NSIR/DSO/DDSO/ST
R. Albert, NSIR
J. Trapp, RI
B. Desai, RII
M. Hay, RIV
L. Askren, Byron Station Security Manager
J. Klinger, State Liaison Officer,
Illinois Emergency Management Agency

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M. Pacilio

-2-

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Letter to Mr. Michael Pacilio from Mr. Mel Holmberg dated July 10, 2012.

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REPORT 05000454/2012403(DRS); 05000455/2012403(DRS)

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