



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

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

~~OFFICIAL USE ONLY - SECURITY-RELATED INFORMATION~~

November 18, 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 05000454/2011405(DRS);
05000455/2011405(DRS)

Dear Mr. Pacilio:

On October 21, 2011, 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 October 21, 2011, with Mr. T. Toulon 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 inspector 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
Non-Safeguards Information. When separated
from enclosure, this transmittal document is
decontrolled.

~~OFFICIAL USE ONLY - SECURITY-RELATED INFORMATION~~

~~OFFICIAL USE ONLY -- SECURITY-RELATED INFORMATION~~

M. Pacilio

-2-

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

Sincerely,

/RA/

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 05000454/2011405;
05000455/2011405(DRS)
w/Attachment: Supplemental Information

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

cc w/o encl: Distribution via ListServ™

~~OFFICIAL USE ONLY -- SECURITY-RELATED INFORMATION~~

OFFICIAL USE ONLY - SECURITY-RELATED INFORMATION

M. Pacilio

-2-

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

Sincerely,

/RA/

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 05000454/2011405;
05000455/2011405(DRS)
w/Attachment: Supplemental Information

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

cc w/o encl: Distribution via ListServ™

DISTRIBUTION:

Amy Snyder
RidsNrrDorILpl3-2 Resource
RidsNrrPMByron Resource
RidsNrrDirslrib Resource
Cynthia Pederson
Jennifer Uhle
Steven Orth
Jared Heck
Allan Barker
Carole Ariano
Linda Linn
DRPIII
DRSIII
Patricia Buckley
Tammy Tomczak
ROPreports Resource

DOCUMENT NAME: G:\DRSIII\DRS\Work in Progress\BYR 2011 405 DRS OUO - Cover Letter.docx

Publicly Available Non-Publicly Available Sensitive Non-Sensitive

To receive a copy of this document, indicate in the concurrence box "C" = Copy without attach/encl "E" = Copy with attach/encl "N" = No copy

OFFICE	RIII		RIII		RIII		
NAME	GHansen:jb		DFunk		RSkokowski		
DATE	11/17 /11		11/18/11		11/18/11		

OFFICIAL RECORD COPY