

**SAFEGUARDS INFORMATION**

September 8, 2006

Mr. Christopher M. Crane  
President and Chief Nuclear Officer  
Exelon Nuclear  
Exelon Generation Company, LLC  
4300 Winfield Road  
Warrenville, IL 60555

SUBJECT: BYRON STATION, UNITS 1 AND 2  
NRC PHYSICAL SECURITY BASELINE INSPECTION REPORT  
NO. 05000454/2006007(DRS); 05000455/2006007(DRS)

Dear Mr. Crane:

On August 18, 2006, the U.S. Nuclear Regulatory Commission (NRC) completed a baseline security inspection of your Byron Station and Exelon Nuclear Corporate. The enclosed report documents the results of this inspection, which were discussed on February 2, 2006, with Mr. D. Evans, on August 18, 2006, with Ms. Snow, and on August 30, 2006, with Mr. D. Hoots and other members of your staff.

This inspection examined activities conducted under your license as they relate to public health and safety, the common defense and security, and to compliance with the Commission's rules and regulations, orders, and with the conditions of your license. Within these areas, the inspection consisted of selected examination of procedures and representative records, observations of activities, and interviews with personnel.

<p><b>EXEMPT FROM PUBLIC DISCLOSURE</b> May be exempt from public release under the Freedom of Information Act (5 U.S.C. 552)</p> <p>Exemption number: <u>5</u> Nuclear Regulatory Commission review required before public release.</p> <p><u>K.Brooks, RIII/DRS/PSB</u> Name and organization of person making determination.</p> <p>Date of determination: <u>08/22/06</u></p>
---

<p><b>Enclosure Contains SAFEGUARDS INFORMATION. Upon separation, this page is Decontrolled.</b></p>
--

## **SAFEGUARDS INFORMATION**

C. Crane

-2-

This report documents three findings of very low security significance (i.e., Green as determined by the Physical Protection Significance Determination Process). The deficiencies were promptly corrected or compensated for, and the plant was in compliance with applicable physical protection and security requirements within the scope of this inspection before the inspector left the site.

Nuclear Regulatory Commission is treating these violations as Non-Cited Violations (NCVs) consistent with Section VI.A.1 of the NRC Enforcement Policy because of the very low security significance of these violations, and because they are entered into your corrective action program. If you contest this Non-Cited Violation, you should provide a response within 30 days of the date of this inspection report, with the basis for your denial, to the Nuclear Regulatory Commission, ATTN.: Document Control Desk, Washington DC 20555-0001; with copies to the Regional Administrator Region III, the Director, Office of Enforcement, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001; and the NRC Resident Inspector at the Byron Station.

The findings were both NRC-identified and Licensee-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 (PARS) component of NRC's document 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 information 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.

In accordance with 10 CFR 2.390(b)(1)(ii), the NRC is waiving the affidavit requirements for your response, if any. This practice will ensure that your response will not be made available electronically for public inspection in the NRC Public document room or from the NRC's document system, ADAMS. If Safeguards Information is necessary to provide an acceptable response, please provide the level of protection described in 10 CFR 73.21. Otherwise, mark your entire response "Security-Related Information-Withhold Under 10 CFR 2.390" and follow the instructions for withholding in 10 CFR 2.390

<p>Enclosure Contains SAFEGUARDS INFORMATION. Upon separation, this page is Decontrolled.</p>
---

**SAFEGUARDS INFORMATION**

**SAFEGUARDS INFORMATION**

C. Crane

-3-

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

Sincerely,

*/RA/*

Kenneth Riemer, Chief  
Plant Support Branch  
Division of Reactor Safety

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

Enclosure: Inspection Report 05000454/2006007(DRS);  
05000455/2006007(DRS)  
w/Attachment: Supplemental Information (**SAFEGUARDS INFORMATION**)

cc w/encl (**SAFEGUARDS INFORMATION**):  
B. Westriech, NSIR/DNS  
Licensing Assistant, NSIR/DNS/RSS  
D. Combs, Byron Site Security Manager  
State Liaison Officer

Enclosure Contains SAFEGUARDS INFORMATION. Upon separation, this page is Decontrolled.
---

**SAFEGUARDS INFORMATION**

**SAFEGUARDS INFORMATION**

C. Crane

-3-

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

Sincerely,

*/RA/*

Kenneth Riemer, Chief  
Plant Support Branch  
Division of Reactor Safety

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

Enclosure: Inspection Report 05000454/2006007(DRS);  
05000455/2006007(DRS)  
w/Attachment: Supplemental Information (**SAFEGUARDS INFORMATION**)

cc w/encl (**SAFEGUARDS INFORMATION**):  
B. Westriech, NSIR/DNS  
Licensing Assistant, NSIR/DNS/RSS  
D. Combs, Byron Site Security Manager  
State Liaison Officer

Enclosure Contains SAFEGUARDS INFORMATION.  
Upon separation, this page is Decontrolled.

DOCUMENT NAME: E:\Filenet\ML062540414.wpd  
 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	KBrooks:co		RSkokowski		KRiemer			
DATE	09/06/06		09/06/06		09/08/06			

**OFFICIAL RECORD COPY**

**SAFEGUARDS INFORMATION**

**SAFEGUARDS INFORMATION**

C. Crane

-4-

cc w/o encl (**SAFEGUARDS INFORMATION**):

Site Vice President - Byron Station  
Plant Manager - Byron Station  
Regulatory Assurance Manager - Byron Station  
Chief Operating Officer  
Senior Vice President - Nuclear Services  
Vice President - Mid-West Operations Support  
Vice President - Licensing and Regulatory Affairs  
Director Licensing  
Manager Licensing - Braidwood and Byron  
Senior Counsel, Nuclear  
Document Control Desk - Licensing  
Assistant Attorney General  
Illinois Emergency Management Agency  
Chairman, Illinois Commerce Commission  
B. Quigley, Byron Station

Enclosure Contains SAFEGUARDS INFORMATION.  
Upon separation, this page is Decontrolled.

**SAFEGUARDS INFORMATION**

**SAFEGUARDS INFORMATION**

C. Crane

-5-

ADAMS Distribution w/o encl (**SAFEGUARDS INFORMATION**):

DXC1

TEB

RFK

RidsNrrDirslrib

GEG

KGO

BLB1

CAA1

LSL (electronic IR's only)

C. Pederson, DRS (hard copy - IR's only)

DRPIII

DRSIII

PLB1

TXN

[ROPreports@nrc.gov](mailto:ROPreports@nrc.gov)

Enclosure Contains SAFEGUARDS INFORMATION.  
Upon separation, this page is Decontrolled.

**SAFEGUARDS INFORMATION**