

**SAFEGUARDS INFORMATION**

August 2, 2006

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

SUBJECT: BYRON NUCLEAR POWER STATION, UNITS 1 AND 2  
NRC PHYSICAL SECURITY BASELINE INSPECTION REPORT  
NO. 05000454/2006008; 05000455/2006008(DRS)

Dear Mr. Crane:

On June 22, 2006, the U.S. Nuclear Regulatory Commission (NRC) completed a baseline security inspection of your Byron Nuclear Power Station and Exelon Nuclear Corporate. The enclosed report documents the results of this inspection, which were discussed on June 22, 2006, with Mr. Hoot 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.

No findings of significance were identified.

**EXEMPT FROM PUBLIC DISCLOSURE**  
May be exempt from public release under the Freedom of Information Act (5 U.S.C. 552)  
  
Exemption number: 5  
Nuclear Regulatory Commission review required before public release.  
  
K.Brooks, RIII/DRS/PSB  
Name and organization of person making determination.  
  
Date of determination: 07/24/06

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C. Crane

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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 and is accessible from the NRC Website 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.

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 05000454/2006008(DRS);  
05000455/2006008(DRS)  
w/Attachment: Supplemental Information

cc w/encl: B. Westriech (NSIR/DNS)  
NSIR/DNS/RSS/Licensing Assistant  
D. Combs, Byron Site Security Manager

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OFFICE	RIII		RIII		RIII		
NAME	KBrooks:jb		RSkokowski		KRiemer		
DATE	08/01/06		8/3/06		8/2/06		

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cc w/o encl: 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  
State Liaison Officer, State of Illinois  
State Liaison Officer, State of Wisconsin  
Chairman, Illinois Commerce Commission  
B. Quigley, Byron Station

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