

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

October 9, 2007

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

SUBJECT: ZION NUCLEAR POWER STATION
NRC BASELINE SECURITY INSPECTION REPORT 05000295/2007401(DRS);
05000304/2007401(DRS)

Dear Mr. Crane:

On September 12, 2007, the U. S. Nuclear Regulatory Commission (NRC) completed a security baseline inspection at your Zion Nuclear Power 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 September 12, 2007, with Mr. R. Schuster 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.

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 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).

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.

Gregory Hansen, RIII/DRS/PSB
Name and organization of person making determination.

Date of determination: 09/18/2007

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C. Crane

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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/

Eric Duncan, Chief
Plant Support Branch
Division of Reactor Safety

Docket Nos. 05000295, 050000304
License Nos. DPR-39, DPR-48

Enclosure: Inspection Report 05000295/2007401(DRS);
05000304/2007401(DRS)
w/Attachment: Supplemental Information

cc w/encl: D. Riffle, NSIR/DSO/DDSO
State Liaison Officer, State of Illinois
Zion Nuclear Power Station Decommissioning Plant Manager

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05000304/2007401(DRS)

cc w/o encl: The Honorable Susan Garrett
The Honorable Adeline Geo-Karis
Zion Nuclear Power Station Decommissioning Plant Manager
Regulatory Assurance Engineer - Zion
Senior Vice President - Nuclear Services
Vice President of Operations - Mid-West Pressurized Water Reactor
Vice President - Licensing and Regulatory Affairs
Director Licensing and Regulatory Affairs
T. O'Neill, Associate General Counsel
Document Control Desk - Licensing
J. Dale, Bureau Chief, Office of Attorney General
K. Nollenberger, County Administrator
Mayor, City of Zion
State Liaison Officer, Wisconsin
Chairman, Illinois Commerce Commission
D. Perrero, Illinois Emergency Management Agency

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