



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001
May 15, 2007

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

SUBJECT: BYRON STATION, UNIT NOS. 1 AND 2 - ADMINISTRATIVE CHANGE TO FACILITY OPERATING LICENSE IN CONJUNCTION WITH THE COMMISSION ORDER EA-06-037 REVISIONS TO PHYSICAL SECURITY PLAN, TRAINING AND QUALIFICATION PLAN, AND SAFEGUARDS CONTINGENCY PLAN (TAC NOS. MD2203 AND MD2204)

Dear Mr. Crane:

By letter to the Nuclear Regulatory Commission (NRC) dated May 17, 2006, Exelon Generation Company, LLC (Exelon), submitted its revised plans and confirmed the full implementation at Byron Station, Unit Nos. 1 and 2 of Order EA-06-037 regarding an updated adversary characteristic of the design basis threat (DBT).

The NRC staff has completed its review of the changes related to implementation of Order EA-06-037. As discussed in the enclosed safeguards evaluation (Enclosure 2), the NRC staff has determined that the licensee's changes to the security plans meet the requirements of the NRC Order and Title 10 of the *Code of Federal Regulations* (10 CFR) Part 73 requirements and are, therefore, acceptable. The effectiveness of these security provisions will continue to be the subject of NRC review and inspection.

Consistent with the Order, an administrative license change to Facility Operating License Nos. NPF-37 and NPF-66 is being made to incorporate the reference to the revised Physical Security Plan, Safeguards Contingency Plan, and Training and Qualification Plan. This change complies with the standards and requirements of the Atomic Energy Act of 1954, as amended, and the Commission's rules and regulations set forth in 10 CFR Chapter I. Please replace Page 4b of Facility Operating License NPF-37 and Page 4b of Facility Operating License NPF-66 (Enclosure 1). Enclosure 2 to this letter is designated exempt from public disclosure under 10 CFR 2.390(d)(1).

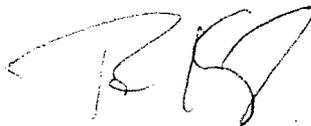
NOTICE: Enclosure 2 contains Security-Related Information. Upon separation from Enclosure 2, this letter and Enclosure 1 are DECONTROLLED.

C. Crane

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If you should have any questions, please contact me at (301) 415-3733.

Sincerely,



Robert F. Kuntz, Project Manager
Plant Licensing Branch III-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. STN 50-454 and STN 50-455

Enclosures:

1. Revised Page 4b of License NPF-37 and
Revised Page 4b of License NPF-66
2. Safeguards Evaluation

cc w/encls 1 and 2: David Combs, Site Security Manager
Richard Skokowski, RIII

cc w/encl 1 only: See next page

Byron Station, Units 1 and 2

cc: w/o Enclosure 2

Regional Administrator, Region III
U.S. Nuclear Regulatory Commission
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4351

Illinois Emergency Management Agency
Division of Disaster Assistance &
Preparedness
110 East Adams Street
Springfield, IL 62701-1109

Document Control Desk - Licensing
Exelon Generation Company, LLC
4300 Winfield Road
Warrenville, IL 60555

Mr. Dwain W. Alexander, Project Manager
Westinghouse Electric Corporation
P.O. Box 355
Pittsburgh, PA 15230

Howard A. Learner
Environmental Law and Policy
Center of the Midwest
35 East Wacker Drive
Suite 1300
Chicago, IL 60601-2110

U.S. Nuclear Regulatory Commission
Byron Resident Inspector's Office
4448 North German Church Road
Byron, IL 61010-9750

Ms. Lorraine Creek
RR 1, Box 182
Manteno, IL 60950

Chairman, Ogle County Board
P.O. Box 357
Oregon, IL 61061

Mrs. Phillip B. Johnson
1907 Stratford Lane
Rockford, IL 61107

Attorney General
500 S. Second Street
Springfield, IL 62701

Plant Manager - Byron Station
Exelon Generation Company, LLC
4450 N. German Church Road
Byron, IL 61010-9794

Site Vice President - Byron Station
Exelon Generation Company, LLC
4450 N. German Church Road
Byron, IL 61010-9794

Senior Vice President - Operations Support
Exelon Generation Company, LLC
4300 Winfield Road
Warrenville, IL 60555

Chairman
Will County Board of Supervisors
Will County Board Courthouse
Joliet, IL 60434

Director - Licensing and Regulatory Affairs
Exelon Generation Company, LLC
4300 Winfield Road
Warrenville, IL 60555

Manager Regulatory Assurance - Byron
Exelon Generation Company, LLC
4450 N. German Church Road
Byron, IL 61010-9794

Associate General Counsel
Exelon Generation Company, LLC
4300 Winfield Road
Warrenville, IL 60555

Vice President - Regulatory Affairs
Exelon Generation Company, LLC
4300 Winfield Road
Warrenville, IL 60555

Byron Station, Units 1 and 2

cc:

Manager Licensing - Braidwood, Byron
and LaSalle
Exelon Generation Company, LLC
4300 Winfield Road
Warrenville, IL 60555

Senior Vice President - Midwest Operations
Exelon Generation Company, LLC
4300 Winfield Road
Warrenville, IL 60555

Mr. Barry Quigley
3512 Louisiana
Rockford, IL 61108

- D. The facility requires no exemptions from the requirements of 10 CFR Part 50.
- E. Exelon Generation Company shall fully implement and maintain in effect all provisions of the Commission-approved physical security, training and qualification, and safeguards contingency plans including amendments made pursuant to provisions of the Miscellaneous Amendments and Search Requirements revisions to 10 CFR 73.55 (51 FR 27817 and 27822), and the authority of 10 CFR 50.90 and 10 CFR 50.54(p). The combined set of plans¹, which contain Safeguards Information protected under 10 CFR 73.21 is entitled: "Byron Nuclear Power Station Security Plan, Training and Qualification Plan, and Safeguards Contingency Plan, Revision 3," submitted by letter dated May 17, 2006.

¹The training and Qualification Plan and Safeguards Contingency Plan are Appendices to the Security Plan

- D. The facility requires no exemptions from the requirements of 10 CFR Part 50.

An exemption was previously granted pursuant to 10 CFR 70.24. The exemption was granted with NRC materials license No. SNM-1916, issued March 4, 1985, and relieved the licensee from the requirement of having a criticality alarm system. Therefore, the licensee is exempted from the criticality alarm system provision of 10 CFR 70.24 so far as this section applies to the storage of fuel assemblies held under this licensee.

- E. The licensee shall implement and maintain in effect all provisions of the approved fire protection program as described in the licensee's Fire Protection Report and the licensee's letters dated September 23, 1986, October 23, 1986, November 3, 1986, December 12 and 15, 1986, and January 21, 1987, and as approved in the SER dated February 1982 through Supplement No. 8, subject to the following provision:

The licensee may make changes to the approved fire protection program without prior approval of the Commission only if those changes would not adversely affect the ability to achieve and maintain safe shutdown in the event of a fire.

- F. Exelon Generation Company shall fully implement and maintain in effect all provisions of the Commission-approved physical security, training and qualifications, and safeguards contingency plans including amendments made pursuant to provisions of the Miscellaneous Amendments and Search Requirements revisions to 10 CFR 73.55 (51 FR 27817 and 27822), and the authority of 10 CFR 50.90 and 10 CFR 50.54(p). The combined set of plans¹, which contain Safeguards Information protected under 10 CFR 73.21, is entitled: "Byron Nuclear Power Station Security Plan, Training and Qualification Plan, and Safeguards Contingency Plan, Revision 3," submitted by letter dated May 17, 2007.

- G. Deleted

¹The training and Qualification Plan and Safeguards Contingency Plan are Appendices to the Security Plan