

February 17, 2006

Ms. Marilyn Kray  
Vice President, Project Development  
Exelon Generation  
200 Exelon Way, KSA3-N  
Kennett Square, PA 19348

SUBJECT: FINAL SAFETY EVALUATION REPORT FOR THE EXELON EARLY SITE  
PERMIT APPLICATION

Dear Ms. Kray:

By letter dated September 25, 2003, Exelon Generation Company, LLC (Exelon), tendered its application for an early site permit (ESP) for the Exelon Generation Company (EGC) ESP site, in accordance with Subpart A of Part 52, "Early Site Permits; Standard Design Certifications; and Combined Licenses for Nuclear Power Plants," of Title 10 of the *Code of Federal Regulations* (10 CFR Part 52). Exelon revised and supplemented its application on November 23, 2005, and January 10, 2006. The U.S. Nuclear Regulatory Commission (NRC or Commission) formally accepted it as a docketed application for an ESP on October 27, 2003. The NRC staff reviewed the ESP application and has developed the attached final safety evaluation report (SER).

NRC is issuing this SER in accordance with the review schedule identified in the staff's letter to Exelon dated August 16, 2005. It provides information to stakeholders regarding the state of completion of the staff's review of the safety aspects of Exelon's ESP application.

Issuance of this SER is an important milestone in the staff's review to determine whether Exelon's application meets the Commission's regulations. The Commission is expected to reach a final decision on the ESP application after reviewing the staff's final SER and environmental impact statement, along with a report from the NRC's independent Advisory Committee on Reactor Safeguards and the findings of the NRC Atomic Safety and Licensing Board in a hearing on the application.

By letter dated December 15, 2004, you requested, on behalf of the State of Illinois and the Illinois Emergency Management Agency, that the State and local emergency plans (in their entirety) be exempt from mandatory public disclosure. By letter dated September 7, 2004, you also requested that the Exelon ESP project quality assurance instructions and project quality plan be exempt from mandatory public disclosure in accordance with the requirements of 10 CFR 2.390, "Public Inspections, Exemptions, Requests for Withholding." The staff concludes that the enclosed SER does not contain any information for which exemption has been sought or approved. However, the NRC will withhold the enclosed SER from public disclosure for 14 calendar days from the date of this letter to allow Exelon the opportunity to verify, in consultation with the State of Illinois and the Illinois Emergency Management Agency, the staff's conclusion. If, after that time, you do not request that all or portions of the SER be withheld from public disclosure in accordance with 10 CFR 2.390, the enclosure will be made

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available for public inspection through the NRC's Public Document Room and the publicly available records component of the NRC's Agencywide Documents Access and Management System (ADAMS). ADAMS is accessible from the Public Electronic Reading Room section of the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Please contact Mr. John P. Segala, NRC project manager for the review of the Exelon ESP application, at (301) 415-1858 or [jps1@nrc.gov](mailto:jps1@nrc.gov) if you have any questions or comments concerning this matter.

Sincerely,

**/RA/**

David B. Matthews, Director  
Division of New Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket No. 52-007

Attachment: As stated

cc w/o att: See next page

available records component of the NRC's Agencywide Documents Access and Management System (ADAMS). ADAMS is accessible from the Public Electronic Reading Room section of the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

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Sincerely,

*/RA/*

David B. Matthews, Director  
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Office of Nuclear Reactor Regulation

Docket No. 52-007

Attachment: As stated

cc w/o att: See next page

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ADAMS ACCESSION NO: ML060470383-Package  
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OFFICE	PM:NRBA	LA:NRBA	SC:NRBA	OGC	D:DNRL
NAME	JSegala	PMagnanelli	LDudes	MLemoncelli	DMatthews
DATE	02/8/06	02/8/06	02/8/06	02/15/06	02/17/06

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