UNITED STATES
NUCLEAR REGULATORY COMMISSION
ADVISORY COMMITTEE ON REACTOR SAFEGUARDS
WASHINGTON, DC 20555 - 0001

ACRSR-2191

May 8, 2006

MEMORANDUM TO: Luis A. Reyes
Executive Director for Operations
/RA/

FROM: John T. Larkins, Executive Director
Advisory Committee on Reactor Safeguards

SUBJECT: CLINTON EARLY SITE PERMIT APPLICATION - FINAL SAFETY EVALUATION REPORT CHANGED PAGES PRIOR TO PUBLISHING AS A NUREG

During the 532nd meeting of the Advisory Committee on Reactor Safeguards, May 4-5, 2006, the Committee considered the changes reflected in Revision 4 of Exelon Generation Company (EGC), LLC, application for an early site permit (ESP). The changes included a revised analysis for determining the probable maximum flood (PMF) elevation at Clinton Lake for the EGC ESP. EGC also requested that the NRC staff consider adopting EGC's revised PMF elevation as the site characteristic in the NRC staff's final Safety Evaluation Report (SER) prior to issuing the final SER as a NUREG report. The staff has evaluated EGC's revised PMF analysis and the information in Revision 4 to the EGC ESP application and concluded that the revised analysis conservatively estimated the hydrostatic PMF elevation. The staff modified the final SER to document the basis for this conclusion. The changes to the final SER also include modifications to Section 2.4 to better describe the technical information in the application regarding EGC's ice thickness calculations and modifications to Appendix A to reflect the new PMF site characteristics. Finally, the staff revised the final SER to make some minor editorial changes. The Committee decided that the proposed changes do not affect its previous conclusions and recommendations with regard to issuing the ESP, and that additional review of this document prior to issuance is not necessary.

References:

1. Memorandum dated April 24, 2006, from David B. Matthews, Director, Division of New Reactor Licensing, NRR, to John T. Larkins, Executive Director, ACRS, Subject: ACRS Review of the Exelon Early Site Permit Application - Final Safety Evaluation Report Changed Pages Prior to Publishing as a NUREG.

2. U.S. Nuclear Regulatory Commission, Final Safety Evaluation Report, "Safety Evaluation of Early Site Permit Application in the Matter of Exelon Generation Company, LLC, for the Clinton Early Site Permit," dated February 17, 2006.

cc: A. Vietti-Cook, SECY
W. Dean, OEDO
B. Sosa, OEDO
S. Lee, OEDO
D. Matthews, NRR
W. Beckner, NRR
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C. Araguas, NRR
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S. (Min) Lee, NRR

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* See previous concurrence.

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