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52.17

January 10, 2006

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555

Early Site Permit (ESP) Application for the Clinton ESP Site  
Docket No. 52-007

Subject: Submittal of Revision 2 to Exelon Generation Company's Early Site Permit Application

Enclosed is Revision 2 to the Exelon Generation Company (EGC), LLC's Early Site Permit application. Revision 2 supports the NRC staff's ongoing review. Revision 2 incorporates the following changes:

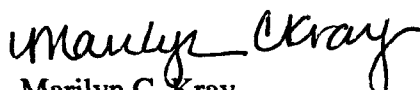
- EGC's responses to NRC requests for additional information,
- EGC self-identified corrections to information, and
- NRC identified corrections.

All text and table pages (not just revised pages) are identified as Revision 2 and the differences (from Revision 0) on each text and table page are annotated with single change bars. The differences in Revision 2 (from Revision 1) are annotated with double change bars. The change bars on the List of Figures identify the revised figures, however, the individual figures are not annotated.

Please note that an error was identified in our revised RAI response dated December 21, 2005. On page 4 of 10 of the Enclosure, the minimum lake level for Clinton Lake was incorrectly stated as 277 ft msl. The correct minimum level of 677 ft msl is incorporated in section 2.4.7 (page 2.4-13) of the enclosed revision 2 of the ESP application.

If you have any questions or require additional information, please contact Eddie Grant of my staff at 850-598-9801.

Sincerely yours,



Marilyn C. Kray  
Vice President, Project Development

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U.S. Nuclear Regulatory Commission

January 10, 2006

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TPM/erg

cc: U.S. NRC Regional Office (w/enclosure)  
Mr. John Segala (NRC) (w/enclosure)

Enclosure: One CD-ROM labeled "Exelon Generation Company (EGC), LLC Early Site Permit Application, Revision 2, January 2006," (containing files as listed on next page)

EGC ESP Application, Revision 2, File Listing:

- Administrative Information

001\_EGC\_ESP\_AI\_R02\_(complete).pdf; 742 KB; publicly available

- Emergency Plan

002\_EGC\_ESP\_EP\_R02\_(Cover-Ch3).pdf; 2638 KB; publicly available

003\_EGC\_ESP\_EP\_R02\_(Ch4-end).pdf; 3685 KB; publicly available

- Site Redress Plan

004\_EGC\_ESP\_SR\_R02\_(complete).pdf; 512 KB; publicly available

- Environmental Report

005\_EGC\_ESP\_ER\_R02\_(Cover-Ch2Figs1).pdf; 4508 KB; publicly available

006\_EGC\_ESP\_ER\_R02\_(Ch2Fig2).pdf; 3350 KB; publicly available

007\_EGC\_ESP\_ER\_R02\_(Ch2Fig3).pdf; 3893 KB; publicly available

008\_EGC\_ESP\_ER\_R02\_(Ch2Fig4).pdf; 4956 KB; publicly available

009\_EGC\_ESP\_ER\_R02\_(Ch2Fig5).pdf; 4156 KB; publicly available

010\_EGC\_ESP\_ER\_R02\_(Ch2Fig6-Ch3).pdf; 4461 KB; publicly available

011\_EGC\_ESP\_ER\_R02\_(Ch4-Ch6).pdf; 3612 KB; publicly available

012\_EGC\_ESP\_ER\_R02\_(Ch7-end).pdf; 3463 KB; publicly available

- Site Safety Analysis Report

013\_EGC\_ESP\_SA\_R02\_(Cover-Ch1).pdf; 3267 KB; publicly available

014\_EGC\_ESP\_SA\_R02\_(Ch2-Ch2Figs1).pdf; 4778 KB; publicly available

015\_EGC\_ESP\_SA\_R02\_(Ch2Fig2).pdf; 3234 KB; publicly available

016\_EGC\_ESP\_SA\_R02\_(Ch2Fig3).pdf; 4164 KB; publicly available

017\_EGC\_ESP\_SA\_R02\_(Ch2Fig4).pdf; 4520 KB; publicly available

018\_EGC\_ESP\_SA\_R02\_(Ch2Fig5).pdf; 4351 KB; publicly available

019\_EGC\_ESP\_SA\_R02\_(Ch2Fig6-Ch3Figs1).pdf; 4524 KB; publicly available

020\_EGC\_ESP\_SA\_R02\_(Ch3Figs2).pdf; 4969 KB; publicly available

021\_EGC\_ESP\_SA\_R02\_(AppA\_Cover-Ch2).pdf; 4074 KB; publicly available

022\_EGC\_ESP\_SA\_R02\_(AppA\_Ch3-Ch5).pdf; 4864 KB; publicly available

023\_EGC\_ESP\_SA\_R02\_(AppA\_Ch6-AttA3).pdf; 3013 KB; publicly available

024\_EGC\_ESP\_SA\_R02\_(AppA\_AttA4).pdf; 4126 KB; publicly available

025\_EGC\_ESP\_SA\_R02\_(AppA\_AttA5-AttA6).pdf; 4536 KB; publicly available

026\_EGC\_ESP\_SA\_R02\_(AppA\_AttA7).pdf; 3541 KB; publicly available

027\_EGC\_ESP\_SA\_R02\_(AppB\_Cover-Ch2).pdf; 4159 KB; publicly available

028\_EGC\_ESP\_SA\_R02\_(AppB\_Ch3-Ch4Figs1).pdf; 4037 KB; publicly available

029\_EGC\_ESP\_SA\_R02\_(AppB\_Ch4Figs2-Ch6).pdf; 3813 KB; publicly available

030\_EGC\_ESP\_SA\_R02\_(AppB\_AttB1-end).pdf; 2971 KB; publicly available

**AFFIDAVIT OF MARILYN C. KRAY**

State of Pennsylvania

County of Chester

The foregoing document was acknowledged before me, in and for the County and State aforesaid, by Marilyn C. Kray, who is Vice President, Project Development, of Exelon Generation Company, LLC. She has affirmed before me that she is duly authorized to execute and file the foregoing document on behalf of Exelon Generation Company, LLC, and that the statements in the document are true to the best of her knowledge and belief.

Acknowledged and affirmed before me this 10<sup>th</sup> day of January 2006.

My commission expires 10-6-07.



Notary Public

