

Exelon Generation Company, LLC  
200 Exelon Way  
KSA3-E  
Kennett Square, PA 19348

Telephone 610.765.5610  
Fax 610.765.5545  
www.exeloncorp.com

52.15

September 25, 2003

Proj 718

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555-0001

Subject: Early Site Permit Application

Exelon Generation Company (EGC), LLC is submitting an application for an early site permit (ESP) in accordance with the regulations in section 52.15 of Subpart A of Title 10 of the Code of Federal Regulations Part 52 (10 CFR 52), "Early Site Permits; Standard Design Certifications; and Combined Licenses for Nuclear Power Plants."

The site that is the subject of the EGC ESP application is property co-located with the existing Clinton Power Station (CPS) facility in Illinois. This co-location strategy provides several advantages since this existing nuclear site is already developed and dedicated to nuclear use. These advantages are further addressed in the supporting documents for this application.

The specific reactor design to be built at this site has not yet been decided. Therefore, technical information from various certified and proposed designs has been used to develop and envelop the facility characterization necessary to evaluate the suitability of the site for the construction and operation of a nuclear power plant.

This ESP application is composed of several documents:

- Administrative Information – addressing 10 CFR 50.33, "Contents of applications; general information," paragraphs (a) through (d) as required by 10 CFR 52.17, "Contents of applications," paragraph (a)(1);
- Site Safety Analysis Report – addressing 10 CFR 50.34, "Contents of applications; technical information," paragraphs (a)(12) and (b)(10), and 10 CFR 100, "Reactor site criteria," as required by 10 CFR 52.17(a)(1);
- Environmental Report – addressing 10 CFR 51.45, "Environmental report – manufacturing license," and 51.50, Environmental report – construction permit stage," as required by 10 CFR 52.17(a)(2);
- Emergency Plan – addressing 10 CFR 50.33, paragraph (g), as required by 10 CFR 52.17(a)(1) and addressing 10 CFR 52.17(b); and
- Site Redress Plan – addressing 10 CFR 52.17(c).

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This application does not contain restricted data or other defense information that requires separation from the unclassified information in accordance with 10 CFR 50.33(j) pursuant to 10 CFR 52.17(a)(1).

One complete set of the application documents (identified above) is provided in electronic file format on the enclosed CD-ROM. Submission of the application in electronic format is in accordance with the general exception to 10 CFR 50.4(c) provided by Regulatory Issue Summary (RIS) 2001-005 dated January 25, 2001.

Through this application, EGC is requesting an Early Site Permit with a 20-year duration.

Please address any correspondence related to this application to me. Also, please contact Thomas Mundy (610-765-5662) or me (610-765-5610) directly if you have any questions regarding this application.

I declare under penalty of perjury that the foregoing is true and correct.

Respectfully,

Sept. 25, 03  
Executed on

Marilyn C. Gray  
Marilyn C. Gray  
Vice President, Project Development

Enclosure: One CD-ROM

cc: James Lyons, Office of Nuclear Reactor Regulation/NRLPO  
Nannette Gilles, Office of Nuclear Reactor Regulation/NRLPO  
James Caldwell, Administrator, Region III, USNRC

**bcc:** John Skolds (w/o enclosure)  
Chris Crane (w/o enclosure)  
Rod Krich (w/o enclosure)  
Jeff Benjamin (w/o enclosure)  
Bob Bement (w/o enclosure)  
David C. Brown (Washington) (w/o enclosure)  
Craig Nesbit (w/o enclosure)  
Ann Mary Carley (w/o enclosure)  
Thomas O'Neill (w/o enclosure)  
Bruce Paulsen, AmerGen (w/o enclosure)  
Thomas Mundy  
Eddie Grant  
William Maher  
Ron Simard, NEI (w/o enclosure)  
Amy Lientz, CH2M Hill  
Steve Frantz, MLB

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