

April 15, 2004

Ms. Marilyn Kray
Vice President, Special Projects
Exelon Generation
200 Exelon Way, KSA3-E
Kennett Square, PA 19348

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 2 - EXELON
EARLY SITE PERMIT (ESP) APPLICATION FOR THE CLINTON ESP SITE ON
SITE SAFETY ANALYSIS REPORT SECTION 2.3.3 (TAC NO. MC1122)

Dear Ms. Kray:

By letter dated September 25, 2003, Exelon Generation Company, LLC (Exelon) submitted its application for an ESP for the Clinton ESP site.

The Nuclear Regulatory Commission (NRC) staff is performing a detailed review of the Site Safety Analysis Report (SSAR) in your ESP application. The NRC staff has determined that additional information is necessary to continue the review. The topic covered in the request for additional information (RAI) contained in Enclosure 1 is meteorology. This RAI was sent to you via electronic mail on February 23, 2004, and was discussed with your staff during the environmental site audit on March 2 and 3, 2004. Receipt of requested information within 30 days of the date of this letter will support the NRC's efficient and timely review of Exelon's ESP application. Please note that failure to provide a response in a timely fashion may result in a delay of completion of the staff's safety evaluation report. Please also note that information provided in response to the meteorology RAI may be used in the staff's environmental review, as well as in its safety review.

If you have any questions or comments concerning this matter, you may contact me at (301) 415-1180 or nvg@nrc.gov.

Sincerely,

/RA/

Nanette V. Gilles, Exelon ESP Project Manager
New Reactors Section
New, Research and Test Reactors Program
Division of Regulatory Improvement Programs
Office of Nuclear Reactor Regulation

Docket No. 52-007

Enclosure: As stated

cc: See next page

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ACCESSION NO. ML040930400

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OFFICIAL RECORD COPY

Distribution for Request For Additional Information Letter No. 2 dated April 15, 2004

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**Exelon Early Site Permit Application
Site Safety Analysis Report (SSAR)
Requests for Additional Information (RAI)**

RAI 2.3.3-1

SSAR Section 2.3.3, Onsite Meteorological Measurements Program

SSAR Section 2.3.3 discusses Exelon's onsite meteorological measurements program. However, in reviewing the meteorological data used to characterize the atmospheric dispersion conditions for the Clinton ESP site, the NRC staff has determined that additional information is required. Specifically, the staff needs to review the January 2000 through August 2002 onsite meteorological data base used to generate the SSAR Section 2.3.4 short-term diffusion estimates and the SSAR Section 2.3.5 long-term diffusion estimates.

Sections 2.3.3 of Regulatory Guide 1.70 and Review Standard RS-002 describe methods and approaches acceptable to the staff for onsite meteorological measurement programs. Consistent with these documents, please provide an hourly listing of the January 2000 through August 2002 onsite meteorological data base used to generate the SSAR Section 2.3.4 short-term diffusion estimates and the SSAR Section 2.3.5 long-term diffusion estimates. This database should be provided on electronic media (e.g., CD ROM), preferably in the format described in Appendix A to Section 2.3.3 of RS-002.

Exelon ESP

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