June 9, 2006

Mr. Christopher M. Crane, President Exelon Nuclear Exelon Generation Company, LLC 4300 Winfield Road Warrenville, IL 60555

SUBJECT: DRESDEN NUCLEAR POWER STATION, UNITS 2 AND 3 - FINAL ACCIDENT

SEQUENCE PRECURSOR ANALYSIS OF MAY 2004 LOSS OF OFF-SITE

POWER EVENT

Dear Mr. Crane:

Enclosed for your information is the final accident sequence precursor (ASP) analysis of an event which occurred at Dresden Nuclear Power Station (Dresden) in May 2004. This involved a scram of Dresden, Unit 3 due to a loss of offsite power (LOOP), and subsequent inoperability of the standby gas treatment system for Dresden, Units 2 and 3 (Licensee Event Report 249/04-003). The LOOP event resulted in a special inspection performed by the Nuclear Regulatory Commission (NRC), and the inspection findings are discussed in the Dresden, Unit 3, NRC Special Inspection Report 05000249/2004009, dated June 21, 2004 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML041730504). The NRC's Significant Determination Process Phase 1 assessment found that the performance deficiency would have resulted in low risk significance. The results of the final ASP analysis indicate that this condition is an accident precursor (i.e., a condition which results in a change in conditional core damage probability (CCDP) > 1E-6), as the ASP analysis calculated a mean CCDP of 2.8xE-6.

The enclosed analysis, also available under ADAMS Accession No. ML060240407, has been marked as non-sensitive information, and is publicly available.

If you have any questions regarding the analysis, please contact me at 301-415-2277.

Sincerely,

/RA/

Maitri Banerjee, Senior Project Manager Plant Licensing Branch III-2 Division of Operating Reactor Licensing Office of Nuclear Reactor Regulation

Docket Nos. 50-237 and 50-249

Enclosure:

Final Precursor Analysis

cc w/o encl: See next page

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