



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

March 31, 2014

Mr. Michael J. Pacilio  
President and Chief Nuclear Officer  
Exelon Nuclear  
4300 Winfield Road  
Warrenville, IL 60555

SUBJECT: OYSTER CREEK NUCLEAR GENERATING STATION - REQUEST FOR  
ADDITIONAL INFORMATION REGARDING BULLETIN 2012-01, "DESIGN  
VULNERABILITY IN ELECTRIC POWER SYSTEM" (TAC NO. ME9362)

Dear Mr. Pacilio:

On July 27, 2012, the U.S. Nuclear Regulatory Commission (NRC) issued Bulletin 2012-01, "Design Vulnerability in Electric Power System" (Agencywide Documents Access and Management System (ADAMS) Accession No. ML12074A115), to all holders of operating licenses and combined licenses for nuclear power reactors.

By letter dated October 25, 2012 (ADAMS Accession No. ML12300A106), Exelon Generation Company, LLC (Exelon), responded to Bulletin 2012-01. The NRC sent a request for additional information (RAI) regarding Bulletin 2012-01, by letter dated December 20, 2013 (ADAMS Accession No. ML13351A314). Exelon responded to the RAI in its letter dated February 3, 2014 (ADAMS Accession No. ML14034A179).

The NRC staff has determined that additional information is required from Exelon regarding Oyster Creek Nuclear Generating Station in order to complete its review. Please provide a written response, signed under oath or affirmation, to the enclosed RAI by April 30, 2014.

If you have any questions regarding this letter, please feel free to contact me at (301) 415-3100 or by e-mail at [John.Lamb@nrc.gov](mailto:John.Lamb@nrc.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "John G. Lamb", is written over the typed name and title.

John G. Lamb, Senior Project Manager  
Plant/Licensing Branch I-2  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket No. 50-219

Enclosure:  
Request for Additional Information

cc w/encl: Distribution via Listserv

REQUEST FOR ADDITIONAL INFORMATION  
RELATED TO  
BULLETIN 2012-01, "DESIGN VULNERABILITY IN ELECTRIC POWER SYSTEM"  
OYSTER CREEK NUCLEAR GENERATING STATION  
EXELON GENERATING COMPANY, LLC  
DOCKET NO. 50-219

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The NRC staff has determined that additional information is required to complete its review. The specific information requested is addressed below.

REQUEST FOR ADDITIONAL INFORMATION

1. In addition to the information provided in the RAI response, please describe specific electrical system parameters monitored/instructions provided to the control room operators to validate, on a daily basis, that there are no open phase issues at Oyster Creek Nuclear Generating Station (OCNGS).
2. In response to long-term actions proposed for correcting open phase conditions (OPC), Exelon stated that:

The design of the OCNGS auxiliary power system and the General Design Criterion (GDC) 17, "Electric power systems," power sources are robust in that the sources are physically independent and completely redundant. As a result, even though the OPC may not be detected and could impact one division of [engineered safety system] ESF function, all ESF and important-to-safety functions are preserved in the other division. Based on the physical independence of the two GDC 17 sources, the compensatory actions, the small potential for inadvertent actuation of the OPC protection scheme, and the short time the OPC protection scheme would be in operation (i.e., OCNGS will be shut down in the year 2019), there are no plans to implement any OPC protection scheme at OCNGS.

Enclosure

Please provide an engineering analysis of the OCNCS vulnerability to single failures in the electrical systems. Please provide a basis why operating the plant until the end of its license without the OPC protection maintains adequate protection and maintains public health and safety.

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Sincerely,

/ra/

John G. Lamb, Senior Project Manager  
Plant Licensing Branch I-2  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket No. 50-219

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Request for Additional Information

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ADAMS Accession No. ML14083A160

\*via email

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