

March 20, 2006

C. N. Swenson  
Site Vice President  
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P.O. Box 388  
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SUBJECT: REQUEST FOR ADDITIONAL INFORMATION FOR THE REVIEW OF THE  
OYSTER CREEK NUCLEAR GENERATING STATION, LICENSE RENEWAL  
APPLICATION (TAC NO. MC7624)

Dear Mr. Swenson:

By letter dated July 22, 2005, AmerGen Energy Company, LLC (AmerGen or the applicant) submitted to the U.S. Nuclear Regulatory Commission (NRC or the staff) an application pursuant to Title 10 of the *Code of Federal Regulations* Part 54 (10 CFR Part 54), to renew the operating license for Oyster Creek Nuclear Generating Station. The NRC staff is reviewing the information contained in the license renewal application and has identified, in the enclosure, areas where additional information is needed to complete the review.

These questions were discussed with members of your staff during a conference call on February 2, 2006. A mutually agreeable date for a response is within 30 days from the date of this letter. If you have any questions, please contact me at 301-415-3191 or via e-mail at [DJA1@nrc.gov](mailto:DJA1@nrc.gov).

Sincerely,

*/RA/*

Donnie J. Ashley, Project Manager  
License Renewal Branch A  
Division of License Renewal  
Office of Nuclear Reactor Regulation

Docket No. 50-219

Enclosure:  
As stated

cc w/encl: See next page

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**OYSTER CREEK NUCLEAR GENERATING STATION  
LICENSE RENEWAL APPLICATION (LRA)  
REQUEST FOR ADDITIONAL INFORMATION (RAI)**

**RAI 2.5.2-1**

LRA Section 2.5.2.5 describes electrical commodity groups subject to AMR. The staff requests the applicant to confirm that, in addition to power circuits in the electrical systems, the associated control circuits are also considered in the scoping and screening review, and are included in the electrical commodity groups subject to AMR.

**RAI 2.5.2.3-1**

In LRA Section 2.5.2.3 , the first bullet states: “Phase Bus exist only in the Main Generator and Auxiliaries System. The system has no electrical intended functions and is in scope for 10 CFR 54.4(a)(2) systems interaction only. Because the phase bus contains no fluid, it has no license renewal intended functions.”

The staff requests the applicant to address the following regarding the above statement:

- a. Provide cross-reference to the phase bus that exists in the SBO path.
- b. Confirm whether the phase bus (in the main generator and auxiliaries system) provides interactions for 10 CFR 54.4 (a)(2) systems. If yes, list the 10 CFR 54.4(a)(2) systems. If 10 CFR 54.4(a)(2) is applicable to this phase bus, explain why this phase bus is not included as an electrical commodity group subject to AMR.
- c. Explain the purpose of the statement: “Because the phase bus contains no fluid, it has no license renewal intended functions.”

**RAI 2.5.2.3-2**

In LRA Section 2.5.2.3, the second bullet states: “Switchyard Bus was eliminated because none perform a license renewal intended function. Rather, transmission conductors, high voltage insulators and insulated cables and connectors perform the functions of providing offsite power to cope with and recover from regulated events.”

The staff request the applicant to address the following regarding the above statement:

- a. List (providing reference to license renewal drawing No. LR-BR-3000) the circuits that may contain transmission conductors, high voltage insulators, and insulated cables and connectors that perform the functions of providing offsite power to cope with and recover from regulated events.
- b. List the regulated events.

Enclosure

**RAI 2.5.2.5-1**

LRA Section 2.5.2.5.3 states that the high voltage insulators are provided on the circuits used to supply power from the switchyard to plant buses during recovery from a SBO or fire protection event.

The staff requests the applicant to describe the circuit path (which may contain the high voltage insulators) that is relied upon to supply power from the switchyard to plant buses in case of the fire protection event.

**RAI 2.5.2.5-2**

LRA Section 2.5.2.5.4 states that the transmission conductors provide a portion of the circuits used to supply power from the switchyard to plant buses during recovery from a station blackout or fire protection event.

The staff requests the applicant to describe the circuit path (which may contain transmission conductors) that is relied upon to supply power from the switchyard to plant buses in case of the fire protection event.