

March 20, 2006

C. N. Swenson
Site Vice President
AmerGen Energy Company, LLC
P.O. Box 388
Forked River, NJ 08731-0388

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.

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

March 20, 2006

C. N. Swenson
Site Vice President
AmerGen Energy Company, LLC
P.O. Box 388
Forked River, NJ 08731

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.

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

DISTRIBUTION: See next page

ADAMS Accession No.: **ML060790260**

DOCUMENT NAME: E:\Filenet\ML060790260.wpd

OFFICE	PM:RLRA	LA:DLR	BC:RLRA
NAME	DAshley	YEdmonds	LLund
DATE	03/ 16 /06	03/ 16 /06	03/ 20 /06

OFFICIAL RECORD COPY

Oyster Creek Nuclear Generating Station

Site Vice President - Oyster Creek
Nuclear Generating Station
AmerGen Energy Company, LLC
P.O. Box 388
Forked River, NJ 08731

Senior Vice President of
Operations
AmerGen Energy Company, LLC
200 Exelon Way, KSA 3-N
Kennett Square, PA 19348

Kathryn M. Sutton, Esquire
Morgan, Lewis, & Bockius LLP
1111 Pennsylvania Avenue, NW
Washington, DC 20004

Kent Tosch, Chief
New Jersey Department of
Environmental Protection
Bureau of Nuclear Engineering
CN 415
Trenton, NJ 08625

Vice President - Licensing and
Regulatory Affairs
AmerGen Energy Company, LLC
4300 Winfield Road
Warrenville, IL 60555

Regional Administrator, Region I
U.S. Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, PA 19406-1415

Mayor of Lacey Township
818 West Lacey Road
Forked River, NJ 08731

Senior Resident Inspector
U.S. Nuclear Regulatory Commission
P.O. Box 445
Forked River, NJ 08731

Director - Licensing and Regulatory Affairs
AmerGen Energy Company, LLC
Correspondence Control
P.O. Box 160
Kennett Square, PA 19348

Manager Licensing - Oyster Creek
Exelon Generation Company, LLC
Correspondence Control
P.O. Box 160
Kennett Square, PA 19348

Regulatory Assurance Manager
Oyster Creek
AmerGen Energy Company, LLC
P.O. Box 388
Forked River, NJ 08731

Assistant General Counsel
AmerGen Energy Company, LLC
200 Exelon Way
Kennett Square, PA 19348

Ron Bellamy, Region I
U.S. Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, PA 19406-1415

Correspondence Control Desk
AmerGen Energy Company, LLC
200 Exelon Way, KSA 1—1
Kennett Square, PA 19348

Oyster Creek Nuclear Generating Station
Plant Manager
AmerGen Energy Company, LLC
P.O. Box 388
Forked River, NJ 08731

License Renewal Manager
Exelon Generation Company, LLC
200 Exelon Way, Suite 230
Kennett Square, PA 19348

Oyster Creek Nuclear Generating Station

Mr. James Ross
Nuclear Energy Institute
1776 I Street, NW, Suite 400
Washington, DC 20006-3708

Mr. Michael P. Gallagher
Vice President License Renewal
Exelon Generation Company, LLC
200 Exelon Way, Suite 230
Kennett Square, PA 19348

Mr. Christopher M. Crane
President and Chief Nuclear Officer
AmerGen Energy Company, LLC
4300 Winfield Road
Warrenville, IL 60555

**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.