

January 5, 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 December 20, 2005. 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 B  
Division of License Renewal  
Office of Nuclear Reactor Regulation

Docket No. 50-219

Enclosures:  
As stated

cc w/encls: See next page

January 5, 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 December 20, 2005. 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 B  
Division of License Renewal  
Office of Nuclear Reactor Regulation

Docket No. 50-219

Enclosures:  
As stated

cc w/encls: See next page

DISTRIBUTION: See next page

ADAMS Accession No.: **ML060060021**

DOCUMENT NAME: E:\Filenet\ML060060021.wpd

OFFICE	PM:RLRB	LA:DLR	BC:RLRB (A)
NAME	Dashley (LLund for)	MJenkins	LLund
DATE	01/ 05 /06	01/ 04 /06	01/ 05 /06

OFFICIAL RECORD COPY

Oyster Creek Nuclear Generating Station

cc:

Chief Operating Officer  
AmerGen Energy Company, LLC  
4300 Winfield Road  
Warrenville, IL 60555

Senior Vice President - Nuclear Services  
AmerGen Energy Company, LLC  
4300 Winfield Road  
Warrenville, IL 60555

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

Vice President - Mid-Atlantic  
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

Vice President - Operations Support  
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  
200 Exelon Way, KSA 3-E  
Kennett Square, PA 19348

Manager Licensing - Oyster Creek  
Exelon Generation Company, LLC  
200 Exelon Way, KSA 3-E  
Kennett Square, PA 19348

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

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

Vice President, General Counsel and  
Secretary  
AmerGen Energy Company, LLC  
2301 Market Street, S23-1  
Philadelphia, PA 19101

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

Oyster Creek Nuclear Generating Station -2-

cc:

Correspondence Control Desk  
AmerGen Energy Company, LLC  
P.O. Box 160  
Kennett Square, PA 19348

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

License Renewal Manager  
Exelon Generation Company, LLC  
200 Exelon Way, Suite 210  
Kennett Square, PA 19348

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

Ltr. to C.N. Swenson from Donnie Ashley dated: January 5, 2006

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION FOR THE REVIEW OF THE  
OYSTER CREEK NUCLEAR GENERATING STATION, LICENSE RENEWAL  
APPLICATION (TAC NO. MC7624)

DISTRIBUTION:

SSmith (srs3)  
RidsNrrDrip  
RidsNrrDe  
RidsNrrDss  
RidsNrrDlrRlra  
RidsNrrDlrRlrb  
RidsNrrDci  
RidsNrrDnrl  
RidsNrrDeEeeb  
RidsNrrDeEqva  
RidsNrrDeEqvb  
RidsNrrDeEemb  
RidsOgcMailCenter  
RidsNrrDssSbpb  
RidsResDetErab  
RidsAcrcAcnwMailCenter  
DLR R/F  
-----

RLauffer  
GMiller  
RBellamy, RI  
RCureton, RI  
JLilliendahl, RI  
MModes, RI  
MSykes, RI  
AHodgdon  
DShum  
OPA  
RidsNrrDorl

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

**RAI 2.3.3.15-1**

LRA Drawing LR-JC-19479, Sheet 2 shows the sprinkler system valve for sprinkler systems 17A and 17B (C-1) colored in green (i.e., in scope). LRA Drawing LR-JC-19479, Sheet 3 shows sprinkler systems 17A and 17B (A-6) as out of scope. Verify whether sprinkler valves 17A and 17B are in scope of license renewal in accordance with Title 10 of the *Code of Federal Regulations* Part 54.4(a) (10 CFR 54.4(a)) and subject to an aging management review (AMR) in accordance with 10 CFR 54.21(a)(1). If they are excluded from the scope of license renewal and not subject to an AMR, provide justification for the exclusion.

**RAI 2.3.3.15-2**

NRC Safety Evaluation Report dated March 3, 1978, Sections 3.1.5 and 5.9, discusses the Halon 1301 system for the Cable Spreading Room (CSR). The LRA does not list Halon 1301 system for CSR. Verify whether the Halon 1301 system and components are in scope of license renewal in accordance with 10 CFR 54.4(a) and subject to an AMR in accordance with 10 CFR 54.21(a)(1). If they are excluded from the scope of license renewal and not subject to an AMR, provide justification for the exclusion.

**RAI 2.3.3.15-3**

NRC Safety Evaluation Report dated March 3, 1978, Section 3.1.6, discusses automatic water spray and detection systems to protect safety-related cabling on the 23-foot level and 51-foot level of the reactor building, and safety-related cables below the 4160V switchgear vault. The LRA does not list automatic spray system for the above-mentioned areas. Verify whether the automatic spray system and components are in scope of license renewal in accordance with 10 CFR 54.4(a) and subject to an AMR in accordance with 10 CFR 54.21(a)(1). If they are excluded from the scope of license renewal and not subject to an AMR, provide justification for the exclusion.

**RAI 2.3.3.15-4**

Safety Evaluation Report dated March 3, 1978, Section 3.1.7, discusses sprinkler system for: (1) metal deck roof at the 119-foot of the reactor building, (2) spent fuel pool cooling pumps, (3) above and below the suspended ceiling to protect cables above the ceiling in the monitor and change room, (4) diesel-driven fire pumps and outside fuel oil storage tanks, and (5) above cable trays which are at the ceiling level of the condenser bay along the west wall of the turbine building. Verify whether the sprinkler system and components are in scope of license renewal in accordance with 10 CFR 54.4(a) and subject to an AMR in accordance with 10 CFR 54.21(a)(1). If they are excluded from the scope of license renewal and not subject to an AMR, provide justification for the exclusion.

Enclosure

**RAI 2.3.3.15-5**

Safety Evaluation Report dated March 3, 1978, Section 3.1.21, discusses water shields, dikes, or other protection that will be provided where breaks of suppression system piping may damage safety-related equipment. Have water shields been installed? If so, are they in scope of license renewal in accordance with 10 CFR 54.4(a) and subject to an AMR in accordance with 10 CFR 54.21(a)(1)? If they are excluded from the scope of license renewal and not subject to an AMR, provide justification for the exclusion.

**RAI 3.3.2.1.15-1**

LRA Table 3.3.2.1.15, "Fire Protection System" shows that there is no aging effect requiring management and no aging management program for fire barrier walls and slabs made of gypsum board exposed to indoor air. Explain why gypsum board does not require an AMP for indoor environment.

**RAI 3.3.2.1.15-2**

LRA Table 3.3.2.1.15, "Fire Protection System" shows that there is no aging effect requiring management and no aging management program for flexible hose made of polyethylene (teflon) exposed to internal and external environment. Explain why polyethylene (teflon) does not require an AMP for internal and external environment.

**RAI 3.3.2.1.15-3**

LRA Table 3.3.2.1.15 lists spray nozzle (CO<sub>2</sub> and Halon) but does not list the spray nozzle (water). Explain why water spray nozzles do not require an AMP.