

September 8, 2006

LICENSEE: AmerGen Energy Company, LLC
FACILITY: Oyster Creek Nuclear Generating Station
SUBJECT: SUMMARY OF TELEPHONE CONFERENCE CALLS HELD ON
JULY 6, AND JULY 7, 2006, BETWEEN THE U.S. NUCLEAR REGULATORY
COMMISSION AND AMERGEN ENERGY COMPANY, LLC, CONCERNING
CLARIFICATION OF REQUESTS FOR ADDITIONAL INFORMATION
PERTAINING TO THE OYSTER CREEK NUCLEAR GENERATING STATION,
LICENSE RENEWAL APPLICATION

The U.S. Nuclear Regulatory Commission staff (the staff), and representatives of AmerGen Energy Company, LLC, held two telephone conference calls on July 6, 2006, and July 7, 2006, to discuss and clarify the staff's requests for additional information concerning the Oyster Creek Generating Station license renewal application. The conference calls were useful in clarifying the intent of the staff.

Enclosure 1 provides a listing of the conference call participants. Enclosure 2 contains a summary of the information discussed with the applicant, including a brief description on the status of the items discussed.

The applicant had an opportunity to comment on this summary.

/RA/

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

Docket No. 50-219

Enclosures:
As Stated

cc w/encls: See next page

September 8, 2006

LICENSEE: AmerGen Energy Company, LLC

FACILITY: Oyster Creek Nuclear Generating Station

SUBJECT: SUMMARY OF TELEPHONE CONFERENCE CALLS HELD ON JULY 6, AND JULY 7, 2006, BETWEEN THE U.S. NUCLEAR REGULATORY COMMISSION AND AMERGEN ENERGY COMPANY, LLC, CONCERNING CLARIFICATION OF REQUESTS FOR ADDITIONAL INFORMATION PERTAINING TO THE OYSTER CREEK NUCLEAR GENERATING STATION, LICENSE RENEWAL APPLICATION

The U.S. Nuclear Regulatory Commission staff (the staff), and representatives of AmerGen Energy Company, LLC, held two telephone conference calls on July 6, 2006, and July 7, 2006, to discuss and clarify the staff's requests for additional information concerning the Oyster Creek Generating Station license renewal application. The conference calls were useful in clarifying the intent of the staff.

Enclosure 1 provides a listing of the conference call participants. Enclosure 2 contains a summary of the information discussed with the applicant, including a brief description on the status of the items discussed.

The applicant had an opportunity to comment on this summary.

/RA/

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

Docket No. 50-219

Enclosures:
As Stated

cc w/encls: See next page

ADAMS Accession No.: **ML062510224**

DOCUMENT NAME: E:\Filenet\ML062510224.wpd

OFFICE	PM:RLRA:DLR	LA:DLR	BC:RLRA:DLR
NAME	DAshley	YEdmonds	LLund
DATE	09/ 06 /06	09/ 06 /06	09/ 08 /06

OFFICIAL RECORD COPY

Oyster Creek Nuclear Generating Station

cc:

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

cc:

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

**LIST OF PARTICIPANTS FOR TELEPHONE CONFERENCE CALLS
TO DISCUSS THE OYSTER CREEK NUCLEAR GENERATING STATION
LICENSE RENEWAL APPLICATION**

July 6, and July 7, 2006

Participants

Donnie Ashley
Veronica Rodriguez
Hansraj Ashar
Don Warfel
John Hufnagel
Ahmed Ouaou

Affiliations

U.S. Nuclear Regulatory Commission (NRC)
NRC
NRC
AmerGen Energy Company, LLC (AmerGen)
AmerGen
AmerGen

**DISCUSSION OF REQUESTS FOR ADDITIONAL INFORMATION
OYSTER CREEK NUCLEAR GENERATING STATION
LICENSE RENEWAL APPLICATION**

July 6, and July 7, 2006

The U.S. Nuclear Regulatory Commission staff (the staff) and representatives of AmerGen Energy Company, LLC (AmerGen), held telephone conference calls on July 6, 2006, and July 7, 2006, to discuss and clarify the staff's requests for additional information (RAIs) concerning the Oyster Creek Generating Station (Oyster Creek), license renewal application (LRA).

The following topics were discussed during the telephone conference calls:

In the original RAI 3.5-4, the staff needed information on the subject of "Shielding Blocks and Plates," specifically a patented material described as "Permali," for which no aging effects were indicated in Table 3.5.2.1.1. The staff requested the applicant to provide a brief description of the material, and the aging management review results that justified it does not need aging management during the period of extended operation.

The applicant responded with the following information:

Permali consists of vacuum impregnated material based on wood veneers (rosewood) and phenolic resin. The material was provided in Oyster Creek original design in combination with steel blocks to provide neutron shielding around recirculation piping nozzles at biological shield wall penetrations. The material is designed for its operating environment and aging management reviews did not identify aging effects requiring aging management during the period of extended operation.

The staff noted that the hydrogen content in wood veneers would make the material susceptible to neutron radiation, and high temperatures around the penetration could affect the stability of phenolic resin. AmerGen is requested to provide a detailed justification of its aging management review for this material that resulted in the conclusion that no aging management is required for this material. The staff requested AmerGen provide material test reports that show the material is capable of performing its intended function through the period of extended operation, or monitor aging effects of the material.

The applicant stated that they would research the information and provide an appropriate response.

In the original RAI 3.5-6, the staff requested additional information on Oyster Creek's evaluation and actions taken as a result of the through-wall cracking of Fitzpatrick torus that indicated a need for closer examination of the highly restrained and structurally discontinuous areas subjected to operational cyclic loads. The primary aging management program (AMP) used

ENCLOSURE 2

for managing degradation of the primary containment structure is Subsection IWE (AMP B.1.27). The program is focused towards detecting loss of material. The staff requested the applicant to discuss how the program would detect initiation of such cracking in the Oyster Creek primary containment.

The applicant responded with the following information:

The Oyster Creek ASME Section XI, Subsection IWE aging management program (B.1.27) is not credited for managing crack initiation and growth. The program is based on visual examinations that may not detect cracking experienced at Fitzpatrick. However crack initiation and growth mechanism experienced at Fitzpatrick is not applicable to Oyster Creek.

Since the initial review, NRC issued Information Notice 2006-01, Torus Cracking in Boiling-Water Reactor (BWR) Mark I Containment, on January 12, 2006, to alert licensees of Fitzpatrick condition. Exelon is currently reviewing the impact of the Fitzpatrick experience on Oyster Creek. Corrective actions will be initiated if it is determined the condition described in the information notice is applicable to Oyster Creek.

The staff noted that loads similar to those generated by the Fitzpatrick event are also generated during safety/relief valve (SRV) discharges in Mark I containments. The staff requested AmerGen to provide the results of its current review of the event and a explanation of why loads from SRV discharges won't be a concern for Oyster Creek.

Note to: AmerGen Energy Company, LLC, from Donnie Ashley dated September 8, 2006.

SUBJECT: SUMMARY OF TELEPHONE CONFERENCE CALLS HELD ON
JULY 6, AND JULY 7, 2006, BETWEEN THE U.S. NUCLEAR REGULATORY
COMMISSION AND AMERGEN ENERGY COMPANY, LLC, CONCERNING
CLARIFICATION OF REQUESTS FOR ADDITIONAL INFORMATION
PERTAINING TO THE OYSTER CREEK NUCLEAR GENERATING STATION,
LICENSE RENEWAL APPLICATION

HARD COPY

DLR R/F

E-MAIL:

JFair
RWeisman
AMurphy
RPettis
GGalletti
DShum
GBagchi
SSmith (srs3)
SDuraiswamy
YL (Renee) Li
RidsNrrDir
RidsNrrDirRIra
RidsNrrDirRIrb
RidsNrrDirRIrc
RidsNrrDirReba
RidsNrrDirRebb
RidsNrrDe
RidsNrrDci
RidsNrrEemb
RidsNrrDeEeeb
RidsNrrDeEqva
RidsNrrDss
RidsNrrDnrl
RidsOgcMailCenter
RidsNrrAdes

RLaufer
GMiller
RBellamy, RI
RCureton, RI
JLilliendahl, RI
MModes, RI
MSykes, RI
Myoung
RidsOpaMail