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An Exelon Company

Oyster Creek Generating Station
US Route 9 South
P.O. Box 388
Forked River, NJ 08731

10 CFR 50
10 CFR 51
10 CFR 54

2130-05-20135

July 22, 2005

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555

Oyster Creek Generating Station
Facility Operating License No. DPR-16
NRC Docket No. 50-219

Subject: Application for Renewed Operating License

- References:**
1. Letter from Jeffery A. Benjamin (Exelon Generation Company) to U. S. NRC "Notice of Intent to Pursue License Renewal," dated February 5, 2004
 2. OYSTER CREEK NUCLEAR GENERATING STATION – EXEMPTION FROM THE REQUIREMENTS OF SECTION 109(b) OF 10 CFR PART 2, REGARDING THE EFFECT OF TIMELY LICENSE RENEWAL APPLICATION (TAC NO. MC3967), dated December 22, 2004
 3. SUMMARY OF JANUARY 13, 2005, MEETING BETWEEN THE U.S. NUCLEAR REGULATORY COMMISSION (NRC) AND THE NUCLEAR ENERGY INSTITUTE (NEI) ON UPDATING LICENSE RENEWAL GUIDANCE DOCUMENTS (ML050490142)

In accordance with the requirements of 10 CFR 50, 51, and 54, AmerGen Energy Company, LLC (AmerGen) hereby applies for the renewal of the operating license for the Oyster Creek Generating Station (OCGS). The current OCGS operating license (Facility Operating License No. 16) expires at midnight on April 9, 2009. By this license renewal application, AmerGen seeks to extend the operating term by 20 years beyond the current expiration date.

Enclosure 1 provides a single compact disc (CD), formatted in a manner that is consistent with "Guidance for Electronic Submissions to the Commission", referenced in the *Federal Register* on October 10, 2003 (68 FR 58826). This CD contains files suitable for entry into the NRC's record retrieval system, ADAMS.

AmerGen submits the enclosed OCGS License Renewal Application (LRA) in accordance with the applicable NRC operating license renewal requirements of 10 CFR 54 and 51. The LRA

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includes an environmental report entitled, "Applicant's Environmental Report – Operating License Renewal Stage," prepared in accordance with 10 CFR 54.23 and Subpart A of 10 CFR 51.

AmerGen has determined that the LRA provides the appropriate administrative, technical, and environmental information sufficient to support the findings required by 10 CFR 54.29. As required by 10 CFR 54, actions have been identified to manage the effects of aging on the structures and components subject to aging management review, such that their intended functions will be maintained consistent with the current licensing basis during the OCGS renewed term of operation.

The technical information relating to plant design contained in the LRA is complete and accurate as of April 30, 2005. Current licensing basis changes that have a material effect on the content of the LRA will be identified in an amendment to the LRA that will be submitted annually while the LRA is under NRC review in accordance with 10 CFR 54.21(b).

The OCGS LRA is organized in accordance with Draft NUREG-1800, US NRC Standard Review Plan for Review of License Renewal Applications for Nuclear Power Plants," dated January 2005, Draft NUREG-1801, "Generic Aging Lessons Learned (GALL) Report," dated January 2005 and is consistent with the guidance provided by NEI 95-10, "Industry Guideline for Implementing the Requirements of 10 CFR Part 54 – The License Renewal Rule," Revision 5.

Subsequent to the issuance of NUREG-1800, Revision 1, and NUREG-1801, Revision 1, the OCGS LRA will be reviewed to identify any material changes necessary to address the final guidance. An amendment to the LRA, if necessary, will be submitted addressing any such changes within six months of the issuance of the final guidance.

The LRA meets the criteria delineated in Section 1.1 of Draft NUREG-1800, dated January 2005, "Docketing of Timely and Sufficient Renewal Application." The exemption from 10 CFR 2.109, granted by the NRC on December 22, 2004 (Ref. 2), addresses the timeliness of this filing. In addition to meeting the sufficiency criteria set forth in Draft NUREG-1800, the LRA also contains the information outlined in the April 29, 2005 letter from the NRC to the Nuclear Energy Institute, "Information to Aid Staff in Sufficiency Review of License Renewal Applications".

The LRA was prepared by an experienced team of engineers using a structured process that included a number of in-process reviews. In addition, the LRA was subjected to a number of comprehensive technical and management reviews. These additional reviews included an industry peer team review, a third-party review of boundary drawings, a Focused Area Self Assessment, a third-party review by a consultant familiar with other license renewal applications, a review by a special management Challenge Board, and a review by a special subcommittee of the Nuclear Safety Review Board.

Appendix A, Section A.5, of the OCGS LRA provides a list of commitments made in this application.

If you have any questions, please contact Fred Polaski, Manager License Renewal, at 610-765-5935.

Respectfully,



C. N. Swenson
Site Vice President, Oyster Creek Generating Station
AmerGen Energy Company, LLC

Enclosures: 1. Affidavit
2. LRA

cc: Regional Administrator, USNRC Region I, without enclosures
NRC Project Manager, NRR – License Renewal, Safety, without enclosures
NRC Project Manager, NRR – License Renewal, Environmental, without enclosures
USNRC Senior Resident Inspector, OCGS, without enclosures
Bureau of Nuclear Engineering, New Jersey Department of Environmental Protection, without enclosures
File No. 05040

Enclosure 2 consists of one CD-ROM labeled "Oyster Creek Generating Station, License Renewal Application, July 2005, CD-ROM Submission" containing the following 14 files:

01-L00_25_(TOC-Sec2.5).pdf; 2,377 KB; publicly available
02-L30_33_(Sec3.0-Sec3.3).pdf; 2,979 KB; publicly available
03-L34_AppA-B_(Sec3.4-AppB).pdf; 2,747 KB; publicly available
04-ER_(TOC-Fig2-2).pdf; 2,991 KB; publicly available
05-ER_(Fig2-3-Fig2-9).pdf; 3,216 KB; publicly available
06-ER_(Fig2-10-AppB-22).pdf; 2,827 KB; publicly available
07-ER_(AppB-23-AppC-3).pdf; 4,482 KB; publicly available
08-ER_(AppC-4-AppC-25).pdf; 3,351 KB; publicly available
09-ER_(AppC-26-AppC-57).pdf; 3,383 KB; publicly available
10-ER_(AppC-58-AppC-84).pdf; 3,461 KB; publicly available
11-ER_(AppC-85-AppD-8).pdf; 3,101 KB; publicly available
12-ER_(AppE-AppE-32).pdf; 3,346 KB; publicly available
13-ER_(AppE-33-AppE-69).pdf; 3,355 KB; publicly available
14-ER_(AppE-70-AppF).pdf; 3,270 KB; publicly available

STATE OF NEW JERSEY

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OCEAN COUNTY

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IN THE MATTER OF:

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AMERGEN ENERGY COMPANY (AmerGen), LLC

)

Docket Number

Oyster Creek Generating Station

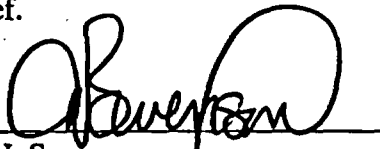
)

50-219

SUBJECT: Application for Renewed Operating License

AFFIDAVIT

I affirm that the content of this transmittal is true and correct to the best of my knowledge, information, and belief.



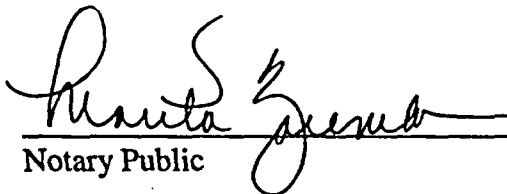
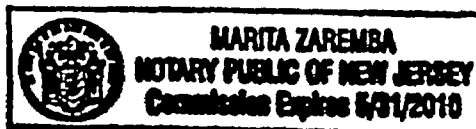
C. N. Swenson

Site Vice President, Oyster Creek Generating Station
AmerGen Energy Company, LLC

Subscribed and sworn to before me, a Notary Public in and

for the State above named, this 22 day of

JULY, 2005


Notary Public

Oyster Creek Document Distribution Sheet

Title/Subject: **APPLICATION FOR RENEWED OPERATING LICENSE**

COGNIZANT INDIVIDUAL: **David Fawcett**

SPECIAL HANDLING INSTRUCTIONS: * – already distributed, CC'd
E –electronically distributed

FILE STRUCTURE: Cover letter and Enclosure 1; not included is Enclosure 2 consisting of one CR-ROM

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Plant Manager: J. Randich	MOB	X
Engineering: J. Magee	OCAB-3	*
Maintenance: A. Cipolla	NMB	
Training: J. Vaccaro	Bldg 12	
Reg Assurance: J. Kandasamy	OCAB-2	*
Bus. Supp't: V. Aggarwal	OCAB-3	
HR: H. Behrens	OCAB-2	
Outage: W. Carter	OCAB-2	
Rad Pro/Chem: C. Connelly	AOB	
Work Management: C. Wilson	OCAB-2	

AmerGen/Exelon

VP Env: H. Howes	Canterra	
Environmental: S. Sklenar	KS	
VPL&RA: J. Benjamin	Canterra	*
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Licensing: V. Gallimore	KSA 3-E	*
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Chemistry: M. Ford	AOB	
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I&C/NSSS: S. Hutchins	OCAB-3	
BOP Engineering: P. Bloss	OCAB-3	
Eng. Programs: T. Powell	OCAB-3	
Mech/Str Design: H. Ray	OCAB-3	
E/I&C Des: D. Barnes	OCAB-3	
Maintenance: R. Laning	NMB	
Communications: G. Scala	OCAB-2	
NOS: G. Waldrep	OCAB-2	
Emerg Prep : K. Poletti	OCAB-2	
Lic. Renewal: T. E. Quintenz	OCAB-3	
Chem/Env Dept Files	AOB	

Reg Assurance Dept Files	05040	X
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Other

STANDARD RECORDS RETENTION SCHEDULE #	FILE CODE / (REFERENCE #)	RECORD NUMBER	RECORD NAME	RECORD DATE
1D.101	20.16.01.01 20.50.02.01	2130-05-20135	APPLICATION FOR RENEWED OPERATING LICENSE	07/22/2005