

June 9, 2006

LICENSEE: AmerGen Energy Company, LLC
FACILITY: Oyster Creek Nuclear Generating Station
SUBJECT: SUMMARY OF MEETING HELD ON JUNE 1, 2006, BETWEEN THE U.S. NUCLEAR REGULATORY COMMISSION STAFF AND AMERGEN ENERGY COMPANY, LLC, REPRESENTATIVES TO DISCUSS THE STAFF'S QUESTIONS REGARDING THE DRYWELL SHELL AND THE OYSTER CREEK NUCLEAR GENERATING STATION LICENSE RENEWAL APPLICATION

On June 1, 2006, the U.S. Nuclear Regulatory Commission staff met with members of AmerGen Energy Company, LLC, (the applicant) in a public meeting to discuss the staff's questions regarding the applicant's aging management program for the drywell shell at Oyster Creek Nuclear Generating Station (OCNGS). The staff provided AmerGen the opportunity to ask for clarification concerning the staff's questions. This meeting was conducted to support the staff's review of the license renewal application for the OCNGS. The application was submitted by letter dated July 22, 2005. A telephone conference line was provided, to allow members of the public who could not attend the meeting, an opportunity to participate in the meeting. At the conclusion of the meeting, the staff responded to questions from a State official and members of the public.

The list of attendees is provided in Enclosure 1. The summary of discussion topics are enclosed as Enclosure 2. The meeting was transcribed and a transcript of the meeting is available in the Agencywide Documents Access and Management System under Accession No. ML061580242.

/RA/

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

Docket No. 50-219

Enclosures:

1. List of Attendees
2. Summary of Discussion Topics

cc w/encls: See next page

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Oyster Creek Public Meeting Summary dated: June 09, 2006

SUBJECT: SUMMARY OF MEETING HELD ON JUNE 1, 2006, BETWEEN THE U.S. NUCLEAR REGULATORY COMMISSION (NRC) STAFF AND AMERGEN ENERGY COMPANY, LLC, REPRESENTATIVES TO DISCUSS THE STAFF'S QUESTIONS REGARDING THE DRYWELL SHELL AND THE OYSTER CREEK NUCLEAR GENERATING STATION LICENSE RENEWAL APPLICATION

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**Attendance List for Meeting
Between the U.S. Nuclear Regulatory Commission Staff
and AmerGen Energy Company, LLC, Representatives**

June 1, 2006

Name	Organization
Frank Gillespie	NRC/NRR/DLR
P.T. Kuo	NRC/NRR/DLR
Louise Lund	NRC/NRR/DLR
Donnie J. Ashley	NRC/NRR/DLR
Jim Davis	NRC/NRR/DLR
Kiyoto Tanabe	NRC/NRR/DLR
Tommy Le	NRC/NRR/DLR
Ken Chang	NRC/NRR/DLR
Daniel Merzke	NRC/NRR/DLR
Linh Tran	NRC/NRR/DLR
Michael J. Morgan	NRC/NRR/DLR
Raj Auluck	NRC/NRR/DLR
Maurice Heath	NRC/NRR/DLR
Jonathan Rowley	NRC/NRR/DLR
Kent Howard	NRC/NRR/DLR
Roy Mathew	NRC/NRR/DLR
Noel Dudley	NRC/NRR/DLR
Rebecca Karas	NRC/NRR/DE
Hans Ashar	NRC/NRR/DE
Tomeka Terry	NRC/NRR/DE
Cayetano Santos	NRC/ACRS
Mitzi Young	NRC/OGC
Steve Hamrick	NRC/OGC
Randy Blough	NRC/RI
John Segala	NRC/RI

Name	Organization
Michael Modes	NRC/RI
Bob Shewmaker	NRC/NMSS/SFPO
Herman Graves	NRC/RES
Michael P. Gallagher	Exelon/AmerGen
Fred Polaski	Exelon/AmerGen
Don Warfel	Exelon/AmerGen
Peter Tamberno	Exelon/AmerGen
Howie Ray	Exelon/AmerGen
John Hufnagel	Exelon/AmerGen
Don Silverman	Morgan Lewis/AmerGen
Steven Dolley	Inside NRC/Platts
Paul Gunter	NIRS
Dennis Zannoni	NJDEP
Ron Zak	NJDEP **
Rich Pinney	NJDEP **
Tom Quintenz	Exelon/AmerGen **
Jim Laird	Exelon/AmerGen **
Richard Webster	Rutgers Environmental Law Clinic **
Nick Clunn	Asbury Park Press **
Jeff Brown	GRAMMES **
Paula Gotsch	GRAMMES **
Edith Gbur	Jersey Shore Nuclear Watch **
Don Warren	JSNW **
Peter James Atherton	JSNW **

** Members of the public who participated in the meeting using the teleconference line.

**Summary of Discussion Topics Between the
U.S. Nuclear Regulatory Commission Staff and
AmerGen Energy Company, LLC, Representatives
June 1, 2006**

On March 10, 2006, the U.S. Nuclear Regulatory Commission issued AmerGen requests for additional information concerning its review of the drywell corrosion time-limited aging analysis (TLAA), which is contained in the Oyster Creek license renewal application Section 4.7.2, "Drywell Corrosion." AmerGen responded to the requests in a letter dated April 7, 2006. On the basis of the AmerGen responses, the NRC requested a meeting to clarify the following issues related to the TLAA.

Uncertainties in Ultrasonic Test (UT) Results:

Attachment 1A of the GPU Nuclear Corporation's letter dated November 26, 1990, contains a statistical evaluation of the UT measurement data taken up to 1990. On the cover page of the report, GPU Nuclear Corporation made a disclaimer that,

The work is conducted by an individual(s) for use by GPU. Neither GPU nor the authors of the report warrant that the report is complete or accurate.

The NRC requested the applicant to clarify the disclaimer or explain how the UT measurement data were evaluated, and used in the drywell analysis.

Use of ASME Sec. III, Subsection NE-3213.10 for Localized Corroded Areas:

The applicant used the provisions in ASME Code Section III, Subsection NE-3213.10, for areas of localized thinning. This provision, though not directly applicable to the randomly thin areas caused by corrosion, can be used with care and adequate conservatism. The NRC requested the applicant to clarify how NE-3213.10 was applied to the areas of localized thinning.

UT Results Indicating Increased Drywell Shell Thickness:

Information provided by the applicant indicates that the UT measurements taken from inside the drywell after 1992 show a general increase in metal thickness. In at least one case, the increase is as much as 50 mils in a two-year period. The NRC requested the applicant to clarify what steps will be taken to verify the accuracy of UT measurements.

Use of ASME Code Case 284:

The applicant used the methods and assumptions contained in ASME Code Case-284-1 in the buckling analysis of the Drywell shell in the sand-pocket area. The staff has not yet endorsed ASME Code Case 284. The staff does not take exception to the use of average compressive stress across the metal thickness for buckling analysis of the as-built shell. However, if corrosion has reduced the strength of the remaining metal through the cross section, this assumption may not be valid. The NRC requested the applicant to clarify its use of ASME Code Case 284.

Junctions Between Plates of Different Thicknesses:

The UT measurements taken in the spherical portion of the drywell shell adequately represent the upper spherical area. However, there are no measurements taken in the lower portion of the spherical area above the sand-pocket area. To ensure that the spherical portion of the drywell shell is properly represented in the database, additional UT measurements taken approximately at or above the junction of the 0.722 inch and 1.154 inch thick plates would be desirable. Likewise, additional UT measurements taken on the cylindrical portion of the drywell shell at about 71 feet 6 inches (i.e. at the junction of the 0.640 inch plate and the thickened plate in the knuckle area) may be desirable. The NRC requested the applicant to clarify its UT sampling plan in context of the entire drywell shell assessment.

Inspection of Inaccessible Regions:

It is not clear to the NRC whether the junction between the 1.154 inch plate and the 0.676 inch plate at the elevation 6 foot 10¼ inches is represented in the UT sampling plan. This area is below the bottom of the sand-pocket area, and is in contact with the concrete alkaline environment. However in the past, before sealing of the junction between the steel and the concrete, this area would have been subjected to the same type of contaminated water as the drywell shell in the sand-pocket area. The NRC considers this junction to be an area for possible corrosion. The NRC requested the applicant to incorporate this area in the sampling plan or justify why it should not be part of the sampling plan.

Sand Bed Region Inspection Increments:

In a letter dated April 4, 2006, AmerGen committed to perform UT measurements of the sand bed region every 10 years. In view of the uncertainty regarding the long-term effectiveness of the coating and water leakage, the NRC requested the applicant to clarify the commitment for UT measurement frequency in the sand bed region.