

12

Donnie Ashley

From: <john.hufnagel@exeloncorp.com> [john.hufnagel@exeloncorp.com]
Sent: Monday, April 14, 2008 10:06 AM
To: Donnie Ashley
Subject: Draft telecon minutes

Follow Up Flag: Follow up
Flag Status: Flagged

Donnie,
Here are a few proposed changes. Sorry I didn't know how to indicate crossed out text in an e-mail, but the additions should be in a different color, and the first draft is repeated below for comparison. Please let me know if you want to discuss further - I'm heading up to TMI for some training now...

- John.
The U.S. Nuclear Regulatory Commission staff (NRC or the staff), and representatives of AmerGen Energy Company, LLC (AmerGen or the applicant), held a telephone conference call on April 7, 2008, to discuss the question of industry experience as it relates to metal fatigue and the use of simplified calculations in developing environmental fatigue analyses for the period of extended operation. The conference call was useful in clarifying the applicant's use of these methods.

During the evaluation of the Vermont Yankee license renewal application and hearing process, the staff has become aware that the industry may be using a non-conservative calculation to evaluate metal fatigue in BWRs.

The calculation involves the use of "Green Functions" and limiting stress component difference (versus using all six stress components) as a simplification to the analysis.

The applicant stated that the only environmental fatigue analysis where Green Functions and limiting stress component difference were used is for the Reactor Recirculation outlet nozzle.

The applicant stated that they were aware of the issue. The applicant stated that they have plans to perform a confirmatory analysis of the outlet nozzle, using the more conservative calculations, to insure that the components cumulative usage factor (CUF) is within specifications.

The applicant will provide the results of the analysis to the staff. The applicant plans to complete the analysis within 30 days.

-----Original Message-----
From: D. Ashley [<mailto:DJA1@nrc.gov>]
Sent: Thursday, April 10, 2008 12:48 PM
To: Hufnagel Jr, John G
Subject: draft - summary of telecon

John-
I have to go to a meeting in a few minutes and am off on Friday.
Here is the first cut at a summary of our telecon.
please review and comment.
also, I need the name of the company that Gary Stevens works for....
Is his name spelled correctly?
-Donnie

B/12

DISCUSSION OF INDUSTRY EXPERIENCE
OYSTER CREEK NUCLEAR GENERATING STATION
LICENSE RENEWAL APPLICATION

April 7, 2008

The U.S. Nuclear Regulatory Commission staff (NRC or the staff), and representatives of AmerGen Energy Company, LLC (AmerGen or the applicant), held a telephone conference call on April 7, 2008, to discuss the question of industry experience as it relates to metal fatigue and the use of simplified calculations in the "Fatigue Pro" software program. The conference call was useful in clarifying the applicant's use of the "Fatigue Pro" software.

During the evaluation of the Vermont Yankee license renewal application and hearing process, the staff has become aware that the industry may be using a non-conservative calculation to evaluate metal fatigue in BWRs.

The calculation involves the use of "Green Functions" as a simplification to the analysis. The applicant stated that the only component where Green Functions were used is the Reactor Recirculation outlet nozzle. None of the other calculations involved the use of Green Functions

The applicant stated that they were aware of the issue. The applicant stated that they have plans to perform a confirmatory analysis of the outlet nozzle, using the more conservative calculations, to insure that the components cumulative usage factor (CUF) is within specifications.

The applicant will provide the results of the analysis to the staff. The applicant plans to complete the analysis within 30 days.

Donnie Ashley
NRR/DLR/RPB1
License Renewal Project Manager for
Oyster Creek
301-415-3191
djal@nrc.gov <<mailto:djal@nrc.gov>>

***** This e-mail and any of its attachments may contain Exelon Corporation proprietary information, which is privileged, confidential, or subject to copyright belonging to the Exelon Corporation family of Companies. This e-mail is intended solely for the use of the individual or entity to which it is addressed. If you are not the intended recipient of this e-mail, you are hereby notified that any dissemination, distribution, copying, or action taken in relation to the contents of and attachments to this e-mail is strictly prohibited and may be unlawful. If you have received this e-mail in error, please notify the sender immediately and permanently delete the original and any copy of this e-mail and any printout. Thank You. *****