Park, Sunwoo

From:

Park, Sunwoo - VE

Sent:

Tuesday, February 15, 2011 9:24 AM

To:

Valentin, Milton

Subject:

RE: North Anna 3.7 RAIs

Attachments:

North Anna 3.7 RAIs_Park_v3.docx

Draft RAIs developed so far..

From: Valentin, Milton

Sent: Tuesday, February 15, 2011 8:46 AM

To: Park, Sunwoo

Subject: RE: Please review and comment

Thanks Sunny - I will submit this RAI in the system

From: Park, Sunwoo

Sent: Monday, February 14, 2011 6:07 PM

To: Valentin, Milton

Subject: RE: Please review and comment

Looks good..

I'm still working on some more RAIs and hopefully I can share them with you by tomorrow.

-Sunwoo

From: Valentin, Milton

Sent: Monday, February 14, 2011 1:59 PM

To: Park, Sunwoo

Subject: RE: Please review and comment

ASCE 4-98 RAI consolidated:

NAPS FSAR constantly refers ASCE Standard 4-98. The staff has not endorsed ASCE Standard 4-98. The staff request additional information about the use of ASCE Standard 4-98 for the following:

- 1 –Damping values: FSAR section 3.7.1.2 states that damping values are based on RG 1.61 and ASCE Standard 4-98. Additional information is required to understand the use of this standard in the selection of damping values and the validity of the applicant's selection of damping values.
- 2 –SASSI site-specific analysis: Last sentence on the second paragraph of Appendix 3NN states that the SASSI site-specific analyses are conducted using methods and approaches consistent with ASCE 4-98. The staff understands that the ASC SASSI computer program has a user manual which outlines the right methods and approaches. The staff requests a comparison between the ASCE 4-98 and the ASC SASSI user manual and how the methods and approaches used comply with the regulatory criteria in SRP 3.7.2.
- 3 Dynamic earth pressure distributions: Third paragraph of page 3-207 of the FSAR states that the dynamic earth pressure distributions are determined using Wood's soil pressure distributions presented in Figure 3.5-1 of ASCE 4-98. The staff requests the technical basis for the use of ASCE Standard 4-98 to determine dynamic pressure distributions.

in accordance with the Freedom of Information
Act, exemptions

3/1

•4 – Site response input for P-SHAKE: Second paragraph of section 300.1.2 "Site Response Analysis" states that the strong motion durations are determined as a function of the magnitudes (M) of the LF and HF input hard rock motions, from Table 2.3-1 in ASCE 4-98. The staff request the applicant to provide the technical basis for the use of ASCE 4-98 Table 2.3-1.

This RAI is necessary for the staff to determine if the application meets the requirements set forth in GDC 2 in Appendix A to 10 CFR Part 50, Appendix S to 10 CFR Part 50, and 10 CFR 100.23 and if the application follows the guidance set forth in Section 3.7 of NUREG-0800.

Thanks, M.

From: Park, Sunwoo

Sent: Monday, February 14, 2011 10:23 AM

To: Valentin, Milton

Subject: RE: Please review and comment

Milton,

Thanks for new additions...

Below are my comment/suggestions...

-Sunwoo

(b)(5)

From: Valentin, Milton

Sent: Friday, February 11, 2011 11:40 AM

To: Park, Sunwoo

Subject: Please review and comment

(b)(5)	1.: