PMNorthAnna3COLPEmails Resource

From: Patel, Chandu
Sent: Wednesday, February 29, 2012 11:34 AM
To: 'na3raidommailbox@dom.com'
Cc: Weisman, Robert; PMNorthAnna3COLPEmails Resource; Reyes, Ruth; Pohida, Marie
Subject: Draft RAI 6312, FSAR Section 19, North Anna 3 COLA (52-017)
Attachments: Draft RAI 6312 (2).doc

Hi All,

Please see attached draft RAI 6312 (Section 19.3), for North Anna 3 COLA. I would like to request Dominion to let me know if it needs any clarification on this RAI before COB
March 5, 2012. Otherwise, it will be issued as final after March 5, 2012. For other people, it is for information only.

Thanks,
Chandu Patel, Lead Project Manager
North Anna 3 COLA

Hearing Identifier: NorthAnna3_Public_EX
Email Number: 1052

Mail Envelope Properties (8C658E9029C91D4D90C6960EF59FC0D66CE71B7F9F)

Subject: Draft RAI 6312, FSAR Section 19, North Anna 3 COLA (52-017)
Sent Date: 2/29/2012 11:33:43 AM
Received Date: 2/29/2012 11:33:44 AM
From: Patel, Chandu

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Recipients:
"Weisman, Robert" <Robert.Weisman@nrc.gov>
Tracking Status: None
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Post Office: HQCLSTR02.nrc.gov

Files	**Size**	**Date & Time**
MESSAGE	410	2/29/2012 11:33:44 AM
Draft RAI 6312 (2).doc	31226	

Options
Priority: Standard
Return Notification: No
Reply Requested: No
Sensitivity: Normal
Expiration Date:
Recipients Received:

Request for Additional Information No. 6312 (Draft)
North Anna, Unit 3
Dominion
Docket No. 52-017
SRP Section: 19 - Probabilistic Risk Assessment and Severe Accident Evaluation
Application Section: 19

QUESTIONS for PRA and Severe Accidents Branch (SPRA)

19-***

The staff reviewed the applicant's response to RAI question 19-3 regarding the high winds shutdown assessment. In the applicant's response, only tornado strike frequencies were considered. For example, tornado wind speeds of 86-110 mph were reported to have a strike frequency of 8E-5 per year (Table 19-201, Page 19-92). However, Chapter 2 of the COLA (Table 2.0-201, Page 2-10) references a site specific extreme wind speed (other than tornado) of 96 mph in 1/100 years. Using the site specific extreme wind speed and exceedance frequency referenced in Chapter 2 of the COLA:

(1) Please confirm that extreme winds as discussed in Chapter 2 of the DCD do not contribute more than 10 percent of the shutdown core damage frequency compared to the US-APWR DC PRA. In this assessment, please consider that the containment equipment hatch could be opened which requires AC power to close. Please also consider that the switchyard could be damaged resulting in a LOOP event that cannot be recovered within 24 hours. Please consider the site impacts of the site specific extreme wind speed on non-safety related SSCs.

(2) Please confirm that extreme winds as discussed in Chapter 2 of the DCD do not contribute more than 10 percent of the full power core damage frequency compared to the US-APWR DC PRA. Please also consider that the switchyard could be damaged resulting in a LOOP event that cannot be recovered within 24 hours. Please consider the site impacts of the site specific extreme wind speed on non-safety related SSCs.