

PMNorthAnna3COLPEmails Resource

From: Patel, Chandu
Sent: Friday, February 10, 2012 9:33 AM
To: 'na3raidommailbox@dom.com'
Cc: Weisman, Robert; PMNorthAnna3COLPEmails Resource; Kallan, Paul; Patel, Amrit
Subject: Draft RAI 5912, FSAR Section 9.3.4, North Anna 3 COLA (52-017)
Attachments: Draft RAI 5912.doc

Hi All,

Please see attached draft RAI 5912 (Section 9.3.4), 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 February 15, 2012. Otherwise, it will be issued as final after February 15, 2012. For other people, it is for information only.

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

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Subject: Draft RAI 5912, FSAR Section 9.3.4, North Anna 3 COLA (52-017)
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From: Patel, Chandu

Created By: Chandu.Patel@nrc.gov

Recipients:

"Weisman, Robert" <Robert.Weisman@nrc.gov>

Tracking Status: None

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Request for Additional Information No. 5912 (Draft)

North Anna, Unit 3

Dominion

Docket No. 52-017

SRP Section: 09.03.04 - Chemical and Volume Control System (PWR) (Including Boron Recovery System)

Application Section: 9.3

QUESTIONS for Reactor System, Nuclear Performance and Code Review (SRSB)

09.03.04-***

In Response to RAI Letter 65 dated June 9, 2011 regarding RAI number 5548, a description of the new chemical and volume control system (CVCS) holdup tank connection was given. In the description, it is explained that during reactor coolant system (RCS) drain down under refueling conditions, surplus RCS water will be diverted to one of three available holdup tanks. It is then stated that this water will be transferred back to the RCS near the end of refueling operations. The staff is considering that there is potential for boron dilution if the highly borated water used during refueling is mixed with borated water at a lower boron concentration in the holdup tank chosen. If a non-empty holdup tank is chosen for RCS inventory transfer to facilitate drain down, how is the refueling water boron concentration maintained at acceptable levels when transferred back to the RCS?

09.03.04-***

In Response to RAI Letter 65 dated June 9, 2011 regarding RAI number 5548, it is stated that administrative procedures will strictly control the flow through the connection from the holdup tanks to the charging pump and will prevent this flow path from being the sole source of suction for the charging pump in order to maintain adequate available net positive suction head (NPSH) to the charging pumps. Please describe, how the North Anna 3 COL FSAR ensures that the guidelines for this specific procedure will be implemented as stated in the response?