

## NorthAnnaRAIsPEm Resource

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**From:** Patel, Chandu  
**Sent:** Thursday, July 05, 2012 3:21 PM  
**To:** 'na3raidommailbox@dom.com'  
**Cc:** NorthAnnaRAIsPEm Resource; Weisman, Robert; McBride, Mark; Roy, Tarun  
**Subject:** Draft RAI 6565, FSAR Section 2.4.12, North Anna 3 COLA (52-017)  
**Attachments:** Draft RAI 6565.doc

Hi All,

Please see attached draft RAI 6565 (Section 2.4.12), 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 July 10, 2012. Otherwise, it will be issued as final after July 10, 2012. For other people, it is for information only.

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

**Hearing Identifier:** NorthAnna3\_eRAI  
**Email Number:** 38

**Mail Envelope Properties** (8C658E9029C91D4D90C6960EF59FC0D6906B7E8D82)

**Subject:** Draft RAI 6565, FSAR Section 2.4.12, North Anna 3 COLA (52-017)  
**Sent Date:** 7/5/2012 3:20:51 PM  
**Received Date:** 7/5/2012 3:20:51 PM  
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**Post Office:** HQCLSTR02.nrc.gov

Files	Size	Date & Time
MESSAGE	408	7/5/2012 3:20:51 PM
Draft RAI 6565.doc	30898	

**Options**

**Priority:** Standard

**Return Notification:** No

**Reply Requested:** No

**Sensitivity:** Normal

**Expiration Date:**

**Recipients Received:**

Request for Additional Information No. 6565 (Draft)  
North Anna, Unit 3  
Dominion  
Docket No. 52-017  
SRP Section: 02.04.12 - Groundwater  
Application Section: 02.04.12

QUESTIONS for Hydrology & Meteorology Branch (RHMB)

02.04.12-\*\*\*

The staff has reviewed the North Anna Final Safety Analysis Report (FSAR), Rev. 5. As described in FSAR Rev. 5, section 2.4.12.4, Dominion has concluded that the maximum post-construction groundwater elevation in the power block area will be 86.69 m (284.4 ft) NAVD88. This elevation is higher than the Maximum Elevation of Groundwater site characteristic that is stated in the Early Site Permit (ESP), Appendix A, as 82.3 m MSL (270 ft MSL).

Under 10 CFR 52.79(b)(2), if an application for a combined license references an ESP, the application must either demonstrate, among other things, that the design of the facility falls within the site characteristics specified in the ESP or include a request for a variance that complies with 10 CFR §§ 52.39 and 52.93.

Although the ESP site characteristic is also given as "... or 1 ft below the free surface, whichever is higher," this alternative was apparently intended to mean 1 ft below plant grade.

The staff requests that the applicant either (a) request and justify a variance from the ESP Maximum Elevation of Groundwater site characteristic to make it consistent with the maximum groundwater elevation predicted in the FSAR, or (b) provide an explanation why no variance is needed.