

NorthAnnaRAIsPEm Resource

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Subject: Revised Draft North Anna 3 RAI - Chapter 11, RAI 7697
Attachments: Draft RAI_7697 R1 10-29-14.docx

Hello,

Attached is revised draft Chapter 11 RAI 7697 for the North Anna 3 COLA.
Please let me know if you need clarification on the **highlighted** new portion of this draft RAI by CoB November 3, 2014.

Thanks,

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U.S. Nuclear Regulatory Commission

Office of New Reactors

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DRAFT Request for Additional Information – 7697 R1

Issue Date: 10/30/2014

Application Title: North Anna, Unit 3 - Docket Number 52-017

Operating Company: Dominion

Docket No. 52-017

Review Section: 11.02 - Liquid Waste Management System

Application Section: 11.2.3.2

QUESTION:

The review of the impacts of an accidental release of radioactive liquids in groundwater or surface water and effects on existing users or likely future users of groundwater or surface water resources is performed using the guidance in SRP Sections 2.4.1, "Hydrologic Description"; 2.4.12, "Groundwater"; and 2.4.13, "Accidental Releases of Radioactive Liquid Effluents in Ground and Surface Waters"; and information and guidance from Branch Technical Position (BTP) 11-6, "Postulated Radioactive Releases Due to Liquid-containing Tank Failures".

Branch Technical Position BTP 11-6 provides guidance in assessing, in accordance with 10 CFR 20 concentration limits, a potential release of radioactive liquids following the postulated failure of a tank and its components, located outside of containment, and impacts of the release of radioactive materials at the nearest potable water supply, located in an unrestricted area, for direct human consumption or indirectly through animals, crops, and food processing.

The staff requests that the following issues be addressed and any proposed FSAR changes be included in the response:

1. ESBWR DCD Section 11.2.3.2, states that an assessment of liquid releases following a postulated failure of a liquid waste management system tank and its components in accordance with BTP 11-6 is provided in DCD Section 15.3.16. However, DCD Section 15.3.16.3 indicates that "no liquid effluent is released to the environment as a result of the tank failure."
2. BTP 11-6 is not referenced in DCD Section 15.3.16. The BTP 11-6 analysis is performed in FSAR Section 2.4.13.
3. Consideration should be given to referencing FSAR section 2.4.13 in the NA3 FSAR sections 11.2 and 15.3.16 concerning the analysis performed in accordance with BTP 11-6 and ISG-013 on the LWMS tanks and the Condensate Storage Tank.
4. Consideration should be given to replacing DCD Section 11.2.3.2, paragraph 5 in FSAR Section 11.2.3.2 with information similar to the NA3 FSAR Revision 5, Section 11.2.3.2 regarding BTP 11-6 and ISG-013 and referral to the FSAR Section 2.4.13 tank analysis evaluation.