

## NorthAnnaRAIsPEm Resource

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**From:** Buckberg, Perry  
**Sent:** Monday, December 15, 2014 8:51 AM  
**To:** 'na3raidommailbox@dom.com' (na3raidommailbox@dom.com)  
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**Cc:** NorthAnnaRAIsPEm Resource; Williams, Stephen; Hinson, Charles; McCoppin, Michael  
**Subject:** Draft North Anna 3 RAI 7774 - 02.04.13 (Accidental Releases of Radioactive Liquid Effluents in Ground and Surface Waters)  
**Attachments:** Draft RAI\_7774 12-15-14.docx

Hello,

Please see attached draft RAI 7774 related to ground water contamination for the North Anna 3 COLA. Please let me know if you need clarification on this draft by CoB Wednesday.

Thanks,

**Perry Buckberg**

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U.S. Nuclear Regulatory Commission

Office of New Reactors

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**Sent Date:** 12/15/2014 8:50:33 AM  
**Received Date:** 12/15/2014 8:50:38 AM  
**From:** Buckberg, Perry

**Created By:** Perry.Buckberg@nrc.gov

**Recipients:**

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Tracking Status: None

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Tracking Status: None

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**Options**

**Priority:** Standard

**Return Notification:** No

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**Recipients Received:**

## **DRAFT Request for Additional Information - 7774**

Issue Date: 12/15/2014

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

Operating Company: Dominion

Docket No. 52-017

Review Section: 02.04.13 - Accidental Releases of Radioactive Liquid Effluents in Ground and Surface Waters

Application Section: 2.4.13

### **QUESTION:**

Regulatory basis, 10 CFR 20.1301 with guidance provided by BTP 11-6 and ISG -013.

NA3 FSAR Tier 2 (Rev 7), Section 2.4.13.3.5, Table 12.2-20aR and Table 2.4-214 present some input design parameters and values used in the NA3 LADTAP II computer code run and resulting individual pathway doses (mrem/yr) from liquid radioactive effluents in this same section. Staff review indicates insufficient information is provided in the NA3 FSAR to independently confirm the calculated individual dose from the NA3 CST release.

Please specifically address the following items and provide the following information:

1. Provide the basis for all NA3 design parameters and values used in the LADTAP II code calculation. Include values used and their derivations and references used (e.g., pointer to FSAR section or table, RG 1.109 table, etc.)
2. Please provide the input and output files for the NA3 LADTAP II liquid effluent dose calculated.
3. If changes are made to the NA3 LADTAP II code input/output files provided in NA3 FSAR Rev. 8 used to calculate the liquid effluent dose in FSAR section 2.4.13.3.5, please provide the latest files.