

## PMNorthAnna3COLPEmails Resource

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**From:** Wanda D Craft (Generation - 6) [wanda.d.craft@dom.com]  
**Sent:** Wednesday, April 23, 2014 4:04 PM  
**To:** Patel, Chandu  
**Subject:** clarification call on draft security RAIs 7309 and 7476  
**Attachments:** PSP Sect.1.1 RAIs.pdf

Chandu,

The clarification call is scheduled for 10 am Thursday morning, April 24th. The call in number for the clarification call is 866 740-1260, passcode 2734687.

As we discussed, attached are the previous RAI responses to questions related to Section 1.1.

Wanda D. Craft  
Nuclear Licensing and Operations Support  
Dominion Resources Services, Inc  
(804) 273-4687  
tie-line 730-4687

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**Hearing Identifier:** NorthAnna3\_Public\_EX  
**Email Number:** 1161

**Mail Envelope Properties** (C90132882E1D894EB0B6161760A7A5911F0CAFE3)

**Subject:** clarification call on draft security RAls 7309 and 7476  
**Sent Date:** 4/23/2014 4:04:09 PM  
**Received Date:** 4/23/2014 4:04:37 PM  
**From:** Wanda D Craft (Generation - 6)

**Created By:** wanda.d.craft@dom.com

**Recipients:**  
"Patel, Chandu" <Chandu.Patel@nrc.gov>  
Tracking Status: None

**Post Office:** INBE10W802.mbu.ad.dominionnet.com

Files	Size	Date & Time
MESSAGE	1182	4/23/2014 4:04:37 PM
PSP Sect.1.1 RAls.pdf	156905	

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

**NRC RAI 13.06.01-21**

✓ *Physical Security Plan, Page 2, Section 1.1, 3rd and 4th paragraphs: These paragraphs are currently silent regarding the description/consideration given to railroads, airports, pipelines, hazardous material facilities, and pertinent environmental features. If applicable, please provide a general description of how these features impact the physical protection program design, or if not applicable, please state so in response to this RAI.*

*Regulatory Basis: 10 CFR Part 73, Appendix C, Section II, paragraph B(3)(b). Plans must also include a description and map of the site in relation to nearby towns, transportation routes (e.g., rail, water, and roads), pipelines, airports, hazardous material facilities, and pertinent environmental features that may have an effect upon coordination of response activities. 10 CFR 52.17 (a)(1)(x) Information demonstrating that site characteristics are such that adequate security plans and measures can be developed.*

**Dominion Response**

A description and map of the site in relation to nearby towns, transportation routes, pipelines, airports, hazardous material facilities and pertinent environmental features for Unit 3 are in the Early Site Permit (ESP) and in Part 2, Chapter 2 of the COLA. The general layout of North Anna Unit 3 is presented in Figure 19 of the PSP. The third paragraph of Section 1.1 will be updated to reference the information in the ESP and COLA.

**Proposed COLA Revision**

COLA Part 8 will be revised as described in the response.

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**RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION**

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North Anna Unit 3  
Dominion  
Docket No. 52-017

**RAI NO.: 5232 (RAI Letter 55)**

**SRP SECTION: 13.06 – PHYSICAL SECURITY**

**QUESTIONS for Reactor Security Rulemaking and Licensing Branch (NSIR/DSP/RSRLB)**

**DATE OF RAI ISSUE: 02/08/2011**

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**QUESTION NO.: 13.06-14**

(U) Part 8, Physical Security Plan (PSP), Section 1.1, Facility Physical Layout (page 2): It is not acceptable to only reference the NAPS UFSAR, Early Site Permit (ESP), and Part 2, FSAR, Chapter 2 in this section. Provide clarification on whether Part 2, FSAR, Chapter 2, Site Characteristics, (i.e., Sections 2.1, Geography and Demography, 2.1.1, Site Location and Descriptions, 2.1.2, Exclusion Area Authority and Control, and 2.2, Nearby Industrial, Transportation, and Military Facilities), the ESP and the NAPS UFSAR is applicable in providing additional details of the descriptions and Figures 7, 9, 10, and maps of and drawings in relation to surrounding towns in PSP Section 1.1 for the meeting regulatory requirement of 10 CFR 73, Appendix C, Section II (B)(3)(b), Physical Layout. In addition, provide explanation as to why the detailed information (paragraph 2, from Revision 1) of this section was removed.

(U) Regulatory Basis: Title 10 CFR 73, Appendix C, Section II (B)(3)(b), Physical Layout, requires the safeguards contingency plan to "include a site map depicting the physical structures located on the site, including onsite independent spent fuel storage installations (if applicable), and a description of the structures depicted on the map. Plans must also include a descriptions and map of the site in relation to nearby towns, transportation routes (e.g., rail, water, and roads), pipelines, airports, hazardous material facilities, and pertinent environmental features that may have an effect upon coordination of response activities. Descriptions and maps must indicate main and alternate entry routes for law enforcement or other offsite response and support agencies and the location for marshaling and coordinating response activities.

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**Dominion Response**

The North Anna Unit 3 FSAR (S-COLA Part 2), Chapter 2, Site Characteristics, and the NAPS UFSAR provide additional detailed information that supplements the information provided in PSP Figures 7, 9, and 10. FSAR Chapter 2 also incorporates the ESP Application Site Safety



Analysis Report (SSAR) by reference. The combined documents provide additional information on the site location with a description of the area surrounding the site, as well as geography and nearby industrial and transportation facilities. The references to the FSAR, Part 2, Chapter 2 and the ESP in Section 1.1 of the Physical Security Plan (PSP) will be revised to correct these references to FSAR Chapter 2 and the ESP SSAR. This section will also be expanded to state that North Anna is located in a rural area with no military bases, manufacturing plants, industrial facilities, chemical plants, chemical or other storage facilities, oil and gas pipelines, and major water transportation within 5 miles of the site. The closest railroad line to the site is the main line of the Chesapeake and Ohio Railway, which passes through the towns of Louisa, Mineral, Fredericks Hall, and Bumpass. Its closest approach to the site is about 5.5 miles southwest. A spur line connects the site with this railroad line.

In Revision 1 of the PSP, Paragraph 2 of Section 1.1 provided names of the buildings applicable to the former reactor technology. The information was removed because the information was no longer applicable with the change in technology. In Revision 2 of the PSP, Figure 9 provides the location and names of the structures for North Anna Unit 3.

**Proposed COLA Revision**

COLA Part 8, The Physical Security Plan, will be revised as described in the response.

Dec 16, 2011

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**RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION**

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**North Anna Unit 3**

**Dominion**

**Docket No. 52-017**

**RAI NO.: 6008 (RAI Letter 89)**

**SRP SECTION: 13.06.01 – PHYSICAL SECURITY**

**QUESTIONS for Reactor Security Rulemaking and Licensing Branch (NSIR/DSP/RSRLB)**

**DATE OF RAI ISSUE: 11/09/2011**

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**QUESTION NO.: 13.06.01-53**

Physical Security Plan, page 1, section 1.1. List all site structures, (e.g. ISFSI etc.)

Regulatory Basis: Title 10 CFR 73, Appendix C, Section II (B)(3)(b), Physical Layout, requires the safeguards contingency plan to "include a site map depicting the physical structures located on the site, including onsite independent spent fuel storage installations (if applicable), and a description of the structures depicted on the map. Plans must also include a description and map of the site in relation to nearby towns, transportation routes (e.g., rail, water, and roads), pipelines, airports, hazardous material facilities, and pertinent environmental features that may have an effect upon coordination of response activities. Descriptions and maps must indicate main and alternate entry routes for law enforcement or other offsite response and support agencies and the location for marshalling and coordinating response activities.

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**Dominion Response**

The site structures, including the ISFSI for North Anna Units 1 and 2, are shown on Figure 3 of the COLA Physical Security Plan. Section 1.1 will be revised to add the words "and including ISFSI for Units 1 and 2" to the end of the eighth sentence.

**Proposed COLA Revision**

COLA PSP will be revised as described in the response.

April 17, 2012

Serial No. NA3-12-006R

SRP 13.06.01: Response to RAI Letter No. 95

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**RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION**

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**North Anna Unit 3****Dominion****Docket No. 52-017****RAI NO.: 6282 (RAI Letter 95)****SRP SECTION: 13.06.01 – PHYSICAL SECURITY****QUESTIONS for Reactor Security Rulemaking and Licensing Branch (NSIR/DSP/RSRLB)****DATE OF RAI ISSUE: 02/16/2012**

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**QUESTION NO.: 13.06.01-62**

Physical Security Plan (PSP) Revision 3, Figures 3 and 6: In the North Anna Units 1 and 2 PSP Revision 13, Figures 9 and 22 show rail spurs on the site drawings.

In Figures 3 and 6 of the North Anna Units 1, 2 and 3 PSP Revision 3, the rail spurs appear to be removed.

There is an inconsistency in what is described in the Units 1, 2 and 3 PSP Sections 1.1, Facility Layout, 4.2 Physical Layout, 11.3 Protected Area Barriers (last paragraph), and in Section 2.4.1, Outer Vehicle Barrier System of North Anna's PSPSR. Provide justification for the removal of the railroad spurs on the drawings.

Regulatory Basis: Title 10 CFR 52.6, Completeness and accuracy of information, requires information provided "shall be complete and accurate in all material respects."

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**Dominion Response**

As discussed in the clarification call on February 9, 2012, Figure 6 of the COLA PSP will be revised to add the rail spur at its intersection with the outer vehicle barrier. No revision is needed to Figure 3 since the outer vehicle barrier is not shown.

**Proposed COLA Revision**

The COLA PSP Figure 6 will be revised as described in the response and shown in Enclosure 4.

ENCLOSURE 4 TO THIS LETTER CONTAINS SAFEGUARDS INFORMATION AND ENCLOSURE 5 CONTAINS SECURITY-RELATED INFORMATION AND MUST BE PROTECTED ACCORDINGLY. UPON SEPARATION OF ENCLOSURES 4 AND 5, THIS ENCLOSURE IS DECONTROLLED.