

Eugene S. Grecheck  
Vice President  
Nuclear Development

**Dominion Energy, Inc. • Dominion Generation**  
Innsbrook Technical Center  
5000 Dominion Boulevard, Glen Allen, VA 23060  
Phone: 804-273-2442, Fax: 804-273-3903  
E-mail: Eugene.Grecheck@dom.com



August 13, 2012

U. S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, D. C. 20555

Serial No. NA3-12-020  
Docket No. 52-017  
COL/BCB

**DOMINION VIRGINIA POWER**  
**NORTH ANNA UNIT 3**  
**COMBINED LICENSE APPLICATION – ENDORSEMENT OF**  
**COMANCHE PEAK UNITS 3 AND 4 R-COLA RAI RESPONSES**

Dominion has reviewed the Comanche Peak Units 3 and 4 R-COLA responses to the NRC requests for additional information (RAIs) listed in the enclosed table to determine if the content of the responses could be endorsed for the North Anna Unit 3 S-COLA. This letter provides the results of that review.

The enclosed table provides Dominion's endorsement statements for the listed R-COLA RAI responses that were submitted between January 1, 2012 and May 31, 2012. Dominion provided the results of its review of previously submitted R-COLA RAI responses in letters NA3-10-019 dated November 10, 2010, NA3-11-014 dated March 16, 2011, NA3-11-030 dated July 5, 2011, and NA3-12-007 dated May 3, 2012. The results of the review of R-COLA RAI responses submitted after May 31, 2012 will be provided separately.

To facilitate the NRC's review, Dominion will submit marked-up pages of the COLA by October 31, 2012 that show the changes resulting from the endorsement of the R-COLA RAI responses listed in the enclosed table. These changes will be incorporated into a future submission of the North Anna Unit 3 COLA.

Please contact Regina Borsh at (804) 273-2247 (regina.borsh@dom.com) if you have questions.

Very truly yours,

Eugene S. Grecheck

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NRD

Enclosure: North Anna Unit 3 S-COLA Endorsement of Comanche Peak Units 3 and 4 R-COLA RAI Responses

Commitments made by this letter:

1. To facilitate the NRC's review, Dominion will submit marked-up pages of the COLA by October 31, 2012 that show the changes resulting from the endorsement of the R-COLA RAI responses listed in the enclosed table.
2. These changes will be incorporated into a future submission of the North Anna Unit 3 COLA.

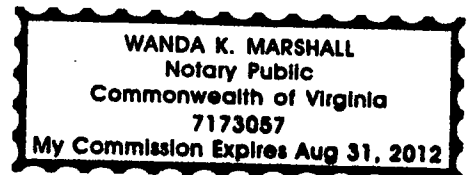
COMMONWEALTH OF VIRGINIA

COUNTY OF HENRICO

The foregoing document was acknowledged before me, in and for the County and Commonwealth aforesaid, today by Eugene S. Grecheck, who is Vice President-Nuclear Development of Virginia Electric and Power Company (Dominion Virginia Power). He has affirmed before me that he is duly authorized to execute and file the foregoing document on behalf of the Company, and that the statements in the document are true to the best of his knowledge and belief.

Acknowledged before me this 13<sup>th</sup> day of August, 2012  
My registration number is 7173057 and my  
Commission expires: August 31, 2012

Wanda K. Marshall  
Notary Public



cc: U. S. Nuclear Regulatory Commission, Region II  
C. P. Patel, NRC  
T. S. Dozier, NRC  
G. J. Kolcum, NRC

**Enclosure**

**North Anna Unit 3 S-COLA Endorsement of  
Comanche Peak Units 3 and 4 R-COLA RAI Responses**

**North Anna Unit 3 S-COLA Endorsement of  
Comanche Peak Units 3 and 4 R-COLA RAI Responses**

Dominion has reviewed Comanche Peak Units 3 and 4 R-COLA responses to NRC requests for additional information (RAIs) to determine if the content of the responses could be endorsed for the North Anna Unit 3 S-COLA. The following table provides Dominion's endorsement statements for the R-COLA RAI responses that were submitted between January 1, 2012 and May 31, 2012.

The table consists of eight columns. The purpose of each column is described below:

- **RAI ID #** - The request for additional information (RAI) identification number assigned by the NRC staff.
- **CP RAI #** - The Comanche Peak Units 3 and 4 RAI letter number assigned by the NRC staff.
- **RAI Topic/Subject** – A brief statement of the subject of the RAI.
- **Date Submitted** – The date of the Luminant letter that submitted the RAI response to the NRC.
- **RAI Response Letter #** - The serial number of the Luminant letter that submitted the RAI response to the NRC.
- **RAI Question #** - The identification number of the RAI question assigned by the NRC staff.
- **NA3 S-COLA Endorsement** – The Dominion determination of applicability for each RAI response. Each RAI response provided by Luminant for Comanche Peak Units 3 and 4 is evaluated as 'Yes' or 'No,' identifying that the response is either applicable to, or not applicable to, respectively, the North Anna Unit 3 COLA. A 'Yes' in this column for an RAI response indicates that the standard content of the response is endorsed by Dominion for North Anna Unit 3. A 'No' in this column for an RAI response indicates that either the response is Comanche Peak-specific or the standard content of the response is not endorsed by Dominion for North Anna Unit 3.
- **Endorsement Clarification** - A clarification to the Dominion endorsement of the R-COLA RAI response is provided, if applicable.

North Anna Unit 3 S-COLA Endorsement of Comanche Peak Units 3 and 4 R-COLA RAI Responses							
RAI ID #	CP RAI #	RAI Topic/Subject	Date Submitted	RAI Response Letter #	RAI Question #	NA3 S-COLA Endorsement (Note 1) (Note 2)	Endorsement Clarification
6310	246	On-site UF6 storage, transportation, and use	3/9/2012	TXNB-12007	01-9	No	Response is site-specific. 10 CFR Parts 30, 40, and 70 requirements will be addressed in the 2013 S-COLA submission.
6310	246	Special Nuclear Material (SNM) Control & Accounting	3/9/2012	TXNB-12007	01-10	No	Response is site-specific. 10 CFR Parts 30, 40, and 70 requirements will be addressed in the 2013 S-COLA submission.
6310	246	Non-fuel special nuclear material program	3/9/2012	TXNB-12007	01-11	No	Response is site-specific. 10 CFR Parts 30, 40, and 70 requirements will be addressed in the 2013 S-COLA submission.
6193	242	Use of Temperatures in Design of the UHSRS	1/9/2012	TXNB-12001	02.03.01-14	No	North Anna response to RAI Question 09.02.05-2 Part a addresses Part c of the CP question. Parts a and b of the CP response and markup are specific to the analysis of the UHS in the R-COLA FSAR.
6222	244	IST for Pumps and Valves	2/27/2012	TXNB-12006	03.09.06-21	Yes	Except for timing of EPC contract relative to COL.
6222	244	IST for Pumps and Valves	3/9/2012	TXNB-12007	03.09.06-22	Yes	None.
6222	244	IST for Pumps and Valves	2/27/2012	TXNB-12006	03.09.06-23	No	See Note 3.

North Anna Unit 3 S-COLA Endorsement of Comanche Peak Units 3 and 4 R-COLA RAI Responses							
RAI ID #	CP RAI #	RAI Topic/Subject	Date Submitted	RAI Response Letter #	RAI Question #	NA3 S-COLA Endorsement (Note 1) (Note 2)	Endorsement Clarification
6159	239	EQ Mechanical Specifications - Schedule of Availability	2/27/2012	TXNB-12006	03.11-18	Yes	Except for timing of EPC contract relative to COL.
6159	239	FSAR Location - EQ Operational Program Description	2/27/2012	TXNB-12006	03.11-19	Yes	Except for the description of CPNPP Units 1 and 2 EQ Program experience.
6159	239	Operational Program Implementation Schedule	2/27/2012	TXNB-12006	03.11-20	Yes	A commitment to provide the Operational Program implementation schedules will be added in FSAR Section 13.4 in the 2013 S-COLA submission. See Note 3.
6158	240	STD LMN for Section 6.4.3	3/29/2012	TXNB-12008	06.04-14	No	North Anna S-COLA does not use a STD LMN for FSAR Section 6.4.3.
6158	240	Heavy Gas Modeling in HABIT	3/29/2012	TXNB-12008	06.04-15	No	CP RAI response is specific to CP R-COLA FSAR Habitability analysis.
6316	249	Switchyard SSCs	5/16/2012	TXNB-12013	08.01-3	No	North Anna response to RAI 5181 Question 08.02-42 addresses the question.
6348	251	Tier 1 DCD ESWS Interface Requirements	5/31/2012	TXNB-12016	09.02.01-10	Yes	Except that the markup in Part 10 is limited to Table A.1-1.
6348	251	Prevention of Water Hammer	5/31/2012	TXNB-12016	09.02.01-11	Yes	None.

North Anna Unit 3 S-COLA Endorsement of Comanche Peak Units 3 and 4 R-COLA RAI Responses							
RAI ID #	CP RAI #	RAI Topic/Subject	Date Submitted	RAI Response Letter #	RAI Question #	NA3 S-COLA Endorsement (Note 1) (Note 2)	Endorsement Clarification
6348	251	ESWS and Transfer Pump Testing: Flow/Vortex/NPSH	5/31/2012	TXNB-12016	09.02.01-6	Yes	None.
6348	251	CCWS Heat Exchanger Overpressurization	5/31/2012	TXNB-12016	09.02.01-7	Yes	None.
6348	251	ESWS Piping Material / Protection / Inspection	5/31/2012	TXNB-12016	09.02.01-8	Yes	None.
6348	251	UHS Piping Void Detection System	5/31/2012	TXNB-12016	09.02.01-9	No	North Anna RAI 6402 Question 09.02.05-8 addresses this CP RAI question.
6173	241	TS surveillance for UHS water temperatures	1/24/2012	TXNB-12002	09.02.05-17	No	North Anna response to RAI 6198, Question 09.02.05-2 addresses this question.
6124	243	Safety related backdraft dampers	2/27/2012	TXNB-12006	09.04.05-19	Yes	Except that the markup in Part 10 is limited to Table A.2-1.
6124	243	UHS ESW Pump House	2/27/2012	TXNB-12006	09.04.05-20	No	S-COLA FSAR already contains the FSAR revision provided in the CP response.
6124	243	Figure 9.4-203 LMN	2/27/2012	TXNB-12006	09.04.05-21	No	S-COLA FSAR Figure 9.4-201 already identifies correct DCD COL Item number.
6124	243	FSAR Figure 9.4-203	2/27/2012	TXNB-12006	09.04.05-22	Yes	None.
6124	243	Flooding of pump rooms	2/27/2012	TXNB-12006	09.04.05-23	No	North Anna RAI 6262, Question 09.04.05-8 addresses this CP RAI question.

North Anna Unit 3 S-COLA Endorsement of Comanche Peak Units 3 and 4 R-COLA RAI Responses							
RAI ID #	CP RAI #	RAI Topic/Subject	Date Submitted	RAI Response Letter #	RAI Question #	NA3 S-COLA Endorsement (Note 1) (Note 2)	Endorsement Clarification
6124	243	UHS ESW Pump House Ventilation System ITAAC	2/27/2012	TXNB-12006	09.04.05-24	Yes	None.
6124	243	ITAAC for PSMS Temp Switches and Controllers	2/27/2012	TXNB-12006	09.04.05-25	No	North Anna response to RAI 5658 Question 09.04.05-6 addresses this question.
6447	255	Regulatory Basis for an Operational Program	5/16/2012	TXNB-12013	13.04-6	No	S-COLA FSAR Table 13.4-201 does not cite 10 CFR 52.78.
6265	245	Plant Systems ITAAC	2/27/2012	TXNB-12006	14.03.07-37	Yes	Except that S-COLA FSAR figures were not deleted or renumbered.
6410	253	ESW Pump Room Ventilation System	5/16/2012	TXNB-12013	17.04-9	Yes	None.
6001	230 S01	Implementation Methodology of RMTS / SFCP	4/18/2012	TXNB-12010	19-16 S01	No	North Anna S-COLA Part 4 does not use Risk Managed Technical Specifications (RMTS).
6320	248	Extreme Wind and Core Damage Frequency (CDF)	5/31/2012	TXNB-12016	19-19	No	North Anna response to RAI 6312 Question 19-6 addresses this question.

Note 1: A 'Yes' in this column indicates that the standard content of the RAI response is endorsed by Dominion for North Anna Unit 3. A 'No' in this column indicates that either the RAI response is Comanche Peak-specific or the standard content of the response is not endorsed by Dominion for North Anna Unit 3.

Note 2: Site-specific Comanche Peak Unit 3 and 4 nomenclature used in the RAI response or markup did not prevent the endorsement of the response for North Anna Unit 3 S-COLA. The equivalent plant feature proper name or identifier for North Anna Unit 3 was assumed in place of the Comanche Peak nomenclature for endorsement review purposes.

Note 3: North Anna S-COLA does not contain proposed license conditions in Part 10.