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July 5, 2011

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

Serial No. NA3-11-030  
Docket No. 52-017  
COL/MWH

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

In a letter dated November 26, 2007 (Letter Serial No. NA3-07-001), Dominion Virginia Power (Dominion) submitted the North Anna Unit 3 Combined License Application that incorporated the ESBWR DCD by reference. North Anna Unit 3 was identified by the ESBWR DCWG as the R-COLA. In a letter dated June 28, 2010 (Letter Serial No. NA3-10-011), Dominion revised the North Anna COLA to incorporate the US-APWR DCD by reference. That action resulted in the North Anna Unit 3 COLA being designated as an S-COLA for the US-APWR technology.

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 standard content of the responses could be endorsed for the S-COLA. This letter provides the results of that review.

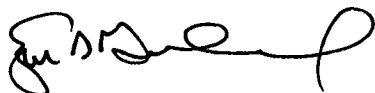
The enclosed table provides Dominion's endorsement statements for the listed R-COLA RAI responses that were submitted between January 1, 2011 and March 31, 2011. Dominion provided the results of its review of previously submitted R-COLA RAI responses in letters NA3-10-019 dated November 10, 2010 and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

As a result of this review, the North Anna Unit 3 COLA will be revised in a future submittal to be consistent with the Dominion-endorsed RAI responses that include COLA changes.

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

Very truly yours,



Eugene S. Grecheck

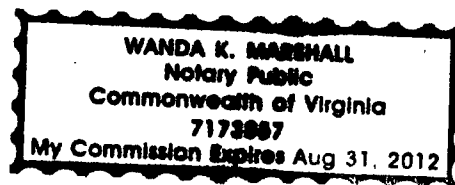
COMMONWEALTH OF VIRGINIA

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 5<sup>th</sup> day of July, 2011  
My registration number is 7173057 and my  
Commission expires: August 31, 2012

Wanda K. Marshall  
Notary Public



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

Commitment made by this letter:

The North Anna Unit 3 COLA will be revised in a future submittal to be consistent with the Dominion-endorsed RAI responses in the enclosure that include COLA changes.

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

**Enclosure**

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

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**US-APWR S-COLA (North Anna Unit 3) 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 the NRC requests for additional information (RAIs) to determine if the standard content of the responses could be endorsed for the S-COLA. The following table provides Dominion's endorsement statements for the R-COLA RAI responses that were submitted between January 1, 2011 and March 31, 2011.

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 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 providing the RAI response.
- **RAI Response Letter #** - The serial number of the Luminant letter providing the RAI response.
- **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.

US-APWR S-COLA (North Anna Unit 3) 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)	Clarification
4986	191	Mitigative Strategies Report for LOLA Information	1/31/2011	TXNB-11006	-	No	Site-Specific
5287	195	0% Exceedance Ambient Design Temperature Parameter	1/24/2011	TXNB-11002	02.03.01-11	No	Site-Specific
5465	204	Compare 100 yr Wet Bulb Temperature and DCD 0% Value	3/18/2011	TXNB-11018	02.03.01-12	No	Site-Specific
5254	193	Definitions of Backfill and Subgrade Conditions	1/27/2011	TXNB-11004	03.07.01-6	No	Site-Specific
5317	205	FIRS and SSI Analysis with Embedded Structures	3/18/2011	TXNB-11018	03.07.01-7	No	Site-Specific
5255	193	SSI - Concrete Cracking / Stiffness Reduction Assumption - UHSRS	1/27/2011	TXNB-11004	03.07.02-19	Yes	
4294	146	CAV Checks and Location and Use of OBE Instrumentation	3/18/2011	TXNB-11016	03.07.04-2, Supp 1	No	Site-Specific
4294	167	SSE Elevation and GMRS Elevation	3/18/2011	TXNB-11016	03.08.04-64, Supp 1	No	Site-Specific
5092	185	Calculation of Fluid Masses	1/6/2011	TXNB-11001	03.08.04-86	No	Site-Specific
5092	185	Calculation of Fluid Masses	1/6/2011	TXNB-11001	03.08.04-87	No	Site-Specific
5092	185	Calculation of Fluid Masses	1/6/2011	TXNB-11001	03.08.04-88	No	Site-Specific
5411	202	Compliance with ASHRAE STD 15	3/18/2011	TXNB-11018	06.04-12	Yes	
5117	183	Station Blackout Response Guidelines	3/23/2011	TXNB-11017	08.04-1, Supp 1	Yes	

US-APWR S-COLA (North Anna Unit 3) 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)	Clarification
5369	196	Plant Off-Site Communications Systems	2/18/2011	TXNB-11009	09.05.02-3	No	Site-Specific
5369	196	Emergency Telephones	2/18/2011	TXNB-11009	09.05.02-4	No	Site-Specific
5369	196	Emergency Telephones	2/18/2011	TXNB-11009	09.05.02-5	No	Site-Specific
4207	133	Dose to Construction Workers	3/18/2011	TXNB-11015	12.03-12.04-9, Supp 1	No	Resolved for North Anna Unit 3
4207	133	Construction Worker ALARA	3/18/2011	TXNB-11015	12.03-12.04-10, Supp 1	No	Resolved for North Anna Unit 3
4208	136	Source Term Reduction Strategy	3/18/2011	TXNB-11015	12.05-6, Supp 1	Yes	
5203	194	Target Set Bases	1/27/2011	TXNB-11005	13.06.01-52	No	Site-Specific
5203	194	Blast Analysis - High Assurance Evaluation	1/27/2011	TXNB-11005	13.06.01-53	No	Site-Specific
5203	194	Security Design and Performance	1/27/2011	TXNB-11005	13.06.01-54	No	Site-Specific
5203	194	Security Event Scenarios	1/27/2011	TXNB-11005	13.06.01-55	No	Site-Specific
5203	194	Security Reg Guide Conformance	1/27/2011	TXNB-11005	13.06.01-56	No	Site-Specific
5400	199	Use of HHS Lab and Subpart G	2/28/2011	TXNB-11011	13.07-4	No	Site-Specific
5400	199	Clarification for Update to FFD Program	2/28/2011	TXNB-11011	13.07-5	No	Site-Specific
2954	75	Test Personnel Certification	1/27/2011	TXNB-11003	14.02-4, Supp 1	No	Resolved for North Anna Unit 3
5312	197	Site-Specific Risk-Significant SSCs	2/18/2011	TXNB-11009	17.04-5	Yes	
5312	197	ESW Component Classification	2/18/2011	TXNB-11009	17.04-6	No	Response addresses DCD changes
5312	197	Risk Significance of ESW Ventilation	2/18/2011	TXNB-11009	17.04-7	No	Response addresses DCD changes

US-APWR S-COLA (North Anna Unit 3) 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)	Clarification
5312	197	Scope of ORAP Programs	2/18/2011	TXNB-11009	17.04-8	Yes	

- 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 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.