

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



November 10, 2010

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

Serial No. NA3-10-019
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 on or before June 28, 2010. As a result of the 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.

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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NRO

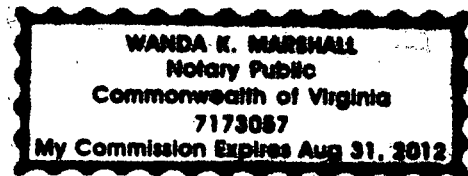
COMMONWEALTH OF VIRGINIA

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 10th day of November, 2010
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
J. B. Jessie, 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**

Enclosure

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 on or before June 28, 2010.

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)	Endorsement Clarification
4243	130	FFD for Construction	2/22/2010	TXNB-10010	None-1	No	
4244	131	FFD milestones	2/22/2010	TXNB-10010	None-2	No	
4245	132	FFD License Condition	2/22/2010	TXNB-10010	None-3	No	
2218	20	Sanitary Waste	8/24/2009	TXNB-09034	01-1	No	
4449	153	DOE Spent Fuel Contract	4/30/2010	TXNB-10034	01-2	No	
2843	30	DeCordova SES (Steam Electric Station): Hazards	10/15/2009	TXNB-09054	02.02.01-02.02.02-1	No	
2843	30	Quantities of chlorine cylinders stored at Wheeler Branch Water Treatment Facility	10/15/2009	TXNB-09054	02.02.01-02.02.02-2	No	
2844	31	Explosion Hazards : Dimethylamine and Hydrazine	10/15/2009	TXNB-09054	02.02.03-1	No	
2844	31	ALOHA and Sunoco oil pipeline	10/15/2009	TXNB-09054	02.02.03-2	No	
2844	31	ALOHA and the gas wells	10/15/2009	TXNB-09054	02.02.03-3	No	
2844	31	Chlorine hazard	10/15/2009	TXNB-09054	02.02.03-4	No	
2844	31	Chemical species, quantities and locations: methods of choosing.	10/15/2009	TXNB-09054	02.02.03-5	No	
2844	31	MCR: Toxic Gas with CHEM Module	10/15/2009	TXNB-09054	02.02.03-6	No	
2864	32	Potential effects on plant personnel from Units 1 and 2.	11/18/2009	TXNB-09072	02.02.03-7	No	
3555	51	Ambient design air temp - data sources and calculations	10/21/2009	TXNB-09057	02.03.01-1	No	
4606	155	Potential effects of global climate change	6/7/2010	TXNB-10042	02.03.01-10	No	
3555	51	Tornado Hazard	10/21/2009	TXNB-09057	02.03.01-2	No	
3555	51	Large Hail events	10/21/2009	TXNB-09057	02.03.01-3	No	
3555	51	Drought and Ice thickness	10/21/2009	TXNB-09057	02.03.01-4	No	
3555	51	Winter Precipitation	10/21/2009	TXNB-09057	02.03.01-5	No	
4606	155	Zero-percent exceedance maximum and minimum dry-bulb temperatures	6/7/2010	TXNB-10042	02.03.01-6	No	
4606	155	Interim Staff Guidance DC/COL-ISG-07	6/7/2010	TXNB-10042	02.03.01-7	No	
4606	155	Maximum evaporation and worst 30-day average wet-bulb temperature	6/7/2010	TXNB-10042	02.03.01-8	No	
4606	155	3-Second Gust Wind Speed	6/7/2010	TXNB-10042	02.03.01-9	No	
3556	45	FSAR Table 2.3-284 column heading error	10/19/2009	TXNB-09055	02.03.02-1	No	
3556	45	SACTI	10/19/2009	TXNB-09055	02.03.02-2	No	
3556	45	Unit clarification	10/19/2009	TXNB-09055	02.03.02-3	No	
4607	156	SACTI Files and Cooling Tower Calculation	6/25/2010	TXNB-10048	02.03.02-4	No	
4607	156	Cooling Tower Calculation References	6/25/2010	TXNB-10048	02.03.02-5	No	
2584	3	Hourly data listings	5/8/2009	TXNB-09017	02.03.03	No	
4608	157	Onsite Meteorological Measurements	6/7/2010	TXNB-10042	02.03.03-10	No	
4608	157	Typographical Error	6/7/2010	TXNB-10042	02.03.03-11	No	

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)	Endorsement Clarification
4608	157	Inspection of met tower guy wires	6/7/2010	TXNB-10042	02.03.03-12	No	
4608	157	Length of booms that support met instrumentation	6/7/2010	TXNB-10042	02.03.03-13	No	
3557	46	Negative temperature values	10/19/2009	TXNB-09055	02.03.03-2	No	
3557	46	Moisture Elements	10/19/2009	TXNB-09055	02.03.03-3	No	
3557	46	Finished Grade	10/19/2009	TXNB-09055	02.03.03-4	No	
3557	46	Instrument resolutions	10/19/2009	TXNB-09055	02.03.03-5	No	
3557	46	Regulatory Guide 1.23 Question	10/19/2009	TXNB-09055	02.03.03-6	No	
3557	46	System Calibrations	10/19/2009	TXNB-09055	02.03.03-7	No	
3557	46	Instrument accuracies discrepancy	10/19/2009	TXNB-09055	02.03.03-8	No	
3557	46	Digital paperless / Yokogawa recorder	10/19/2009	TXNB-09055	02.03.03-9	No	
3558	72	Building Wake: Cross-sectional area and height	11/11/2009	TXNB-09063	02.03.04-1	No	
4613	158	Typographical Error	6/25/2010	TXNB-10048	02.03.04-10	No	
4613	158	X/Q values in TSC Calculation	6/25/2010	TXNB-10048	02.03.04-11	No	
4613	158	Clarification for a discrepancy between Table 2.0-1R and FSAR Section 2.3.4.	6/25/2010	TXNB-10048	02.03.04-12	No	
3558	72	PAVAN Output clarification	11/11/2009	TXNB-09063	02.03.04-2	No	
3558	72	PAVAN Input clarification	11/11/2009	TXNB-09063	02.03.04-3	No	
3558	72	ARCON96 Input and Output files	11/11/2009	TXNB-09063	02.03.04-4	No	
3558	72	Ground level release elevations	11/11/2009	TXNB-09063	02.03.04-5	No	
3558	72	Receptor distances and heights discrepancies from DCD	11/11/2009	TXNB-09063	02.03.04-6	No	
3558	72	Time Interval discrepancies from DCD	11/11/2009	TXNB-09063	02.03.04-7	No	
4613	158	ARCON96 model limitation (building wake effect)	6/25/2010	TXNB-10048	02.03.04-8	No	
4613	158	TSC X/Qs compared to the DCD Rev. 2 bounding values	6/25/2010	TXNB-10048	02.03.04-9	No	
3559	61	X/Q and D/Q	10/30/2009	TXNB-09060	02.03.05-1	No	
3559	61	Evaporation Pond XOQDOQ	10/30/2009	TXNB-09060	02.03.05-2	No	
4609	160	XOQDOQ Straight-line Trajectory Model	6/7/2010	TXNB-10042	02.03.05-3	No	
4609	160	Maximum X/Q and D/Q values for the Evaporation Pool	6/7/2010	TXNB-10042	02.03.05-4	No	
4609	160	Annual Average D/Q values for the EAB	6/7/2010	TXNB-10042	02.03.05-5	No	
3663	101	Interfaces with hydrosphere	11/13/2009	TXNB-09067	02.04.01-1	No	
3663	101	Hydrologic maps, figures and references	11/13/2009	TXNB-09067	02.04.01-2	No	
3663	101	Consistent Plant Grade	11/13/2009	TXNB-09067	02.04.01-3	No	
3663	101	Brazos River Basin rationale of metrics	11/13/2009	TXNB-09067	02.04.01-4	No	
3663	101	Brazos River Basin : reservoirs and DBF	11/13/2009	TXNB-09067	02.04.01-5	No	
3664	102	DBF Elevations	11/13/2009	TXNB-09067	02.04.02-1	No	

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)	Endorsement Clarification
3665	105	PMF: Process used to determine	11/13/2009	TXNB-09067	02.04.03-1	No	
3665	105	PMF: Rationale for assumptions for watersheds	11/13/2009	TXNB-09067	02.04.03-2	No	
3665	105	PMF: Rationale for assumptions for rivers and streams.	11/13/2009	TXNB-09067	02.04.03-3	No	
3665	105	PMF: wave heights, etc	11/13/2009	TXNB-09067	02.04.03-4	No	
4310	143	Calculation Requests	4/20/2010	TXNB-10032	02.04.03-9	No	
3666	111	Multiple Dam Failures	11/13/2009	TXNB-09067	02.04.04-1	No	
3666	111	Dam failure flooding computer files	11/13/2009	TXNB-09067	02.04.04-2	No	
3666	111	Limiting Dam failure	11/13/2009	TXNB-09067	02.04.04-3	No	
3666	111	Dam failure: why assume normal water level.	11/13/2009	TXNB-09067	02.04.04-4	No	
3667	112	Conceptual models for probable maximum hurricane, probable maximum wind storm, seiche & resonance, wave runup, and sediment erosion/deposition	11/13/2009	TXNB-09067	02.04.05-1	No	
3667	112	Wind generated waves	11/13/2009	TXNB-09067	02.04.05-2	No	
3667	112	Seiche hazards	11/13/2009	TXNB-09067	02.04.05-3	No	
3667	112	Seismic induced seiches	11/13/2009	TXNB-09067	02.04.05-4	No	
4312	144	Models for probable maximum hurricane, probable maximum wind storm, seiche & resonance, wave runup, and sediment erosion/deposition	4/20/2010	TXNB-10032	02.04.05-5	No	
3668	107	Probable Maximum Tsunami	11/13/2009	TXNB-09067	02.04.06-1	No	
3668	107	Slope Failures Surges	11/13/2009	TXNB-09067	02.04.06-2	No	
3669	104	Ice effects	11/13/2009	TXNB-09067	02.04.07-1	No	
3669	104	PMF elevations	11/13/2009	TXNB-09067	02.04.07-2	No	
3669	104	Freezing days and reduced water storage capacity	11/13/2009	TXNB-09067	02.04.07-3	No	
4313	141	Follow up to RAI 02.04.07-1.	5/6/2010	TXNB-10035	02.04.07-4	No	
3670	103	DBF : Protection measures	11/13/2009	TXNB-09067	02.04.10-1	No	
2671	113	Low flow models from drought, etc.	11/13/2009	TXNB-09067	02.04.11-1	No	
2671	113	Make-up water flow-rates.	11/13/2009	TXNB-09067	02.04.11-2	No	
3672	114	Groundwater conceptual models	11/13/2009	TXNB-09067	02.04.12-1	No	
3672	114	Groundwater during construction.	11/13/2009	TXNB-09067	02.04.12-2	No	
3672	114	Hydro-geology	11/13/2009	TXNB-09067	02.04.12-3	No	
3672	114	On-site monitoring wells	11/13/2009	TXNB-09067	02.04.12-4	No	
3672	114	Groundwater flowpaths	11/13/2009	TXNB-09067	02.04.12-5	No	
3672	114	Hydro-geology: post-construction flowpaths.	11/13/2009	TXNB-09067	02.04.12-6	No	

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)	Endorsement Clarification
3672	114	Groundwater: Maximum operational and design maximum	11/13/2009	TXNB-09067	02.04.12-7	No	
NO.1		Transport analysis, measured parameters	12/18/2008	TXNB-08031	2.4.13-1	No	
3673	116	Alternate conceptual models	11/16/2009	TXNB-09068	02.04.13-1	No	
NO.1		Radionuclide screening process	12/18/2008	TXNB-08031	2.4.13-2	No	
3673	116	Twin Mountain Formation offsite wells	11/16/2009	TXNB-09068	02.04.13-2	No	
NO.1		Chelating Agents in Failed Tank	12/18/2008	TXNB-08031	2.4.13-3	No	
3673	116	Chemicals that alter transport characteristics	11/16/2009	TXNB-09068	02.04.13-3	No	
NO.1		Alternate conceptual models: lack of equilibrium	12/18/2008	TXNB-08031	2.4.13-4	No	
3673	116	RATAF assumptions	11/16/2009	TXNB-09068	02.04.13-4	No	
NO.1		Alternate conceptual models: conservative flow paths	12/18/2008	TXNB-08031	2.4.13-5	No	
NO.1		Release scenario clarification	12/18/2008	TXNB-08031	2.4.13-6	No	
NO.1		Hydro-geology parameters	12/18/2008	TXNB-08031	2.4.13-7	No	
3674	96	UHS Makeup	11/11/2009	TXNB-09064	02.04.14-1	Yes	
3674	96	Failure of two or more UHS basins.	11/11/2009	TXNB-09064	02.04.14-2	No	
4316	142	UHS Performance without makeup	3/30/2010	TXNB-10025	02.04.14-3	No	
4316	142	UHS structures safety elevation	3/30/2010	TXNB-10025	02.04.14-4	No	
3675	95	Hydrology - Change in the wording used for adding content to section	11/11/2009	TXNB-09064	02.04-1	No	
3037	14	Gravity/Aeromagnetic data	8/28/2009	TXNB-09035	02.05.01-1	No	
3015	21	Post-Eocene deformation	9/28/2009	TXNB-09049	02.05.01-10	No	
3015	21	Quaternary Activity	9/10/2009	TXNB-09042	02.05.01-11	No	
3015	21	Criner Fault for Quaternary	9/28/2009	TXNB-09049	02.05.01-12	No	
3015	21	Cheraw Fault	9/10/2009	TXNB-09042	02.05.01-13	No	
3015	21	Reelfoot Rift System in NMSZ source model	9/10/2009	TXNB-09042	02.05.01-14	No	
3015	21	Basement faults within 25 miles	9/10/2009	TXNB-09042	02.05.01-15	No	
3015	21	Folds or Disruptions	9/10/2009	TXNB-09042	02.05.01-16	No	
3015	21	Seismic activity and the field reconnaissance	9/10/2009	TXNB-09042	02.05.01-17	No	
3015	21	Crustal Seismicity Migrates	9/10/2009	TXNB-09042	02.05.01-18	No	
3015	21	Potential for triggered seismicity	9/28/2009	TXNB-09049	02.05.01-19	No	
3080	15	Washita Valley Fault	9/10/2009	TXNB-09042	02.05.01-2	No	
3015	21	Text and Figure corrections in 2.5.1	9/10/2009	TXNB-09042	02.05.01-20	No	
3015	21	Geologic history information	9/28/2009	TXNB-09049	02.05.01-3	No	
3015	21	Potential for large earthquakes and effect on transitional crust	9/10/2009	TXNB-09042	02.05.01-4	No	

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)	Endorsement Clarification
3015	21	Circular gravity anomaly	8/28/2009	TXNB-09035	02.05.01-5	No	
3015	21	Late Oligocene and Early Miocene tectonic history	9/10/2009	TXNB-09042	02.05.01-6	No	
3015	21	Mesozoic age faults	9/28/2009	TXNB-09049	02.05.01-7	No	
3015	21	Mount Enterprise-Elkhart Graben fault system	9/10/2009	TXNB-09042	02.05.01-8	No	
3015	21	Tertiary-age Balcones fault zone	9/10/2009	TXNB-09042	02.05.01-9	No	
1889	11	EPRI seismic sources	10/28/2009	TXNB-09059	02.05.02-1	No	
1889	11	V/H ratios	8/28/2009	TXNB-09035	02.05.02-10	No	
1889	11	Maps by Frolich and Davis	9/10/2009	TXNB-09042	02.05.02-11	No	
1889	11	Oklahoma Aulacogen	9/10/2009	TXNB-09042	02.05.02-12	No	
1889	11	Maximum observed earthquake	9/10/2009	TXNB-09042	02.05.02-13	No	
1889	11	NMSZ in PSHA	9/10/2009	TXNB-09042	02.05.02-14	No	
1889	11	Lack of multiple displacement data along the Meers fault	9/10/2009	TXNB-09042	02.05.02-15	No	
1889	11	Near invisibility of the Meers source in FSAR	9/28/2009	TXNB-09049	02.05.02-16	No	
1889	11	Characterize RGR seismic hazard	9/10/2009	TXNB-09042	02.05.02-17	No	
1889	11	Low-frequency and high-frequency spectral shapes	9/10/2009	TXNB-09042	02.05.02-18	No	
1889	11	GMRS	9/10/2009	TXNB-09042	02.05.02-19	No	
1889	11	PSHA study or from CP assessments	9/10/2009	TXNB-09042	02.05.02-2	No	
1889	11	Seismic data in a digital format	9/10/2009	TXNB-09042	02.05.02-20	No	
1889	11	Editorial corrections	8/28/2009	TXNB-09035	02.05.02-21	No	
1889	11	Two test zones	10/28/2009	TXNB-09059	02.05.02-3	No	
1889	11	Rio Grande Rift System	9/10/2009	TXNB-09042	02.05.02-4	No	
1889	11	Logic Tree copy request	9/10/2009	TXNB-09042	02.05.02-5	No	
1889	11	Rio Grande Rift seismic source: point source instead of using areal sources	9/10/2009	TXNB-09042	02.05.02-6	No	
1889	11	Layer C shear wave velocity	8/28/2009	TXNB-09035	02.05.02-7	No	
1889	11	Location and geologic environment of the wells used in estimating deeper velocities	9/10/2009	TXNB-09042	02.05.02-8	No	
1889	11	GMRS: qualitative vs. quantitative	8/28/2009	TXNB-09035	02.05.02-9	No	
3016	18	Clarify whether FSAR Section 2.5.3.1.2 addresses all known Quaternary faults	9/10/2009	TXNB-09042	02.05.03-1	No	
3016	18	Lineament analysis using 1940's air photos	9/10/2009	TXNB-09042	02.05.03-2	No	
3016	18	Anthropogenic activities near the site do not pose a hazard for surface deformation	9/10/2009	TXNB-09042	02.05.03-3	No	
2929	22	Uniform site conformance	10/28/2009	TXNB-09059	02.05.04-1	No	

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)	Endorsement Clarification
2929	22	Site excavation and construction procedures to confirm strata	10/28/2009	TXNB-09059	02.05.04-10	No	
2929	22	Fill Concrete durability	8/28/2009	TXNB-09035	02.05.04-11	No	
2929	22	ACI 349	8/28/2009	TXNB-09035	02.05.04-12	No	
2929	22	Avoid inclusion of shale	9/10/2009	TXNB-09042	02.05.04-13	No	
2929	22	Clarify Table 4 for calculation # TXUT-001-PR-007 "Dynamic Profile"	9/28/2009	TXNB-09049	02.05.04-14	No	
2929	22	Liquefaction	9/10/2009	TXNB-09042	02.05.04-15	No	
2929	22	SMA (1.67 times SME) liquefaction and soil capacity	9/28/2009	TXNB-09049	02.05.04-16	No	
2929	22	Dynamic effects on bearing capacity	10/28/2009	TXNB-09059	02.05.04-17	No	
2929	22	Resistance to lateral loads	9/10/2009	TXNB-09042	02.05.04-18	No	
2929	22	Seismic lateral earth pressure	9/10/2009	TXNB-09042	02.05.04-19	No	
2929	22	Variability of softer materials	10/28/2009	TXNB-09059	02.05.04-2	No	
2929	22	Shale existence program	9/10/2009	TXNB-09042	02.05.04-20	No	
2929	22	Settlement monitoring program	9/10/2009	TXNB-09042	02.05.04-21	No	
2929	22	Material damping was measured for both S- and P-wave velocities	10/28/2009	TXNB-09059	02.05.04-3	No	
2929	22	Variability of the stratigraphic profile	10/28/2009	TXNB-09059	02.05.04-4	No	
2929	22	No Boring for W. ESWPT	9/10/2009	TXNB-09042	02.05.04-5	No	
2929	22	Large degree of variability in shear wave velocities	9/10/2009	TXNB-09042	02.05.04-6	No	
2929	22	Undocumented fill	9/10/2009	TXNB-09042	02.05.04-7	No	
2929	22	No velocity measurements from 415 to 465 ft.	9/10/2009	TXNB-09042	02.05.04-8	No	
2929	22	Adequacy of a standoff distance, of 150' to 200' from the reservoir slopes	10/28/2009	TXNB-09059	02.05.04-9	No	
2930	19	Pseudo-static method was used for slope stability analysis	10/28/2009	TXNB-09059	02.05.05-1	No	
2930	19	Slope Stability / Factor of Safety: Wall design	9/28/2009	TXNB-09049	02.05.05-2	No	
2930	19	Localized surficial erosion and raveling	9/10/2009	TXNB-09042	02.05.05-3	No	
2758	47	Site-specific SSCs necessary for continued operation - Table 3.2-201	10/19/2009	TXNB-09055	03.02.01-1	Yes	
2758	47	Site-specific SSCs necessary for continued operation - Table 3.2-201	10/19/2009	TXNB-09055	03.02.01-2	Yes	
2757	67	Editions of codes and standards that apply to SSCs	11/5/2009	TXNB-09061	03.02.02-1	No	
2757	67	Quality group classifications and boundaries	11/5/2009	TXNB-09061	03.02.02-2	Yes	

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RAI ID #	CP RAI #	RAI Topic/Subject	Date Submitted	RAI Response Letter #	RAI Question #	NA3 S-COLA Endorsement (Note 1) (Note 2)	Endorsement Clarification
2757	67	Provide the quality group and codes & standards for CWS	11/5/2009	TXNB-09061	03.02.02-3	Yes	
2757	67	Provide the quality group classifications for SSCs and basis for the classification for NRC audit	11/5/2009	TXNB-09061	03.02.02-4	Yes	
2818	54	Determining design wind loads for Cat I duct banks & chases	10/26/2009	TXNB-09058	03.03.01-1	No	
2818	54	Analysis is requested showing that Method 2 in ASCE/SEI 7-05 is the correct approach in analyzing the UHSRS	10/26/2009	TXNB-09058	03.03.01-2	Yes	Values and references to figures are site-specific.
2819	66	Tornado Design Basis	11/5/2009	TXNB-09061	03.03.02-1	No	
2819	66	Potential tornado-generated missiles and fragments that could produce missile impacts more severe than what is described in RG 1.76	11/5/2009	TXNB-09061	03.03.02-2	Yes	NA3 tornado missile spectrum is provided in FSAR Section 3.5.1.4. FSAR Section 2.3.1.2.1 evaluated the site-specific conditions for tornados
2819	66	Determining design wind loads for the UHSRS	11/5/2009	TXNB-09061	03.03.02-3	Yes	Values and references to figures are site-specific.
2819	66	Response characteristics of site-specific Cat I yard piping and conduits to tornado-generated wind effects	11/5/2009	TXNB-09061	03.03.02-4	Yes	
2819	66	Procedures to determine the most adverse combination of total tornado effects for ESWPT and PSFSVs	11/5/2009	TXNB-09061	03.03.02-5	Yes	
2819	66	Tornado model to analyze ventilation in UHSRS	11/5/2009	TXNB-09061	03.03.02-6	Yes	Dimensions are site-specific.
2819	66	Provide information on site-specific Cat II structures	11/5/2009	TXNB-09061	03.03.02-7	Yes	
4397	150	Tornado-generated missiles produced by the AC/B or T/B	4/5/2010	TXNB-10028	03.03.02-8	Yes	
2664	12	Provide Technical Report for turbine valve test frequency	8/24/2009	TXNB-09033	03.05.01.03-1	No	
2875	33	Impact of a potential missile from a Unit 1 or 2 turbine on Units 3 & 4	10/15/2009	TXNB-09054	03.05.01.05-1	No	
2840	80	Provide detail on analysis/discussion on external events that may produce missiles more energetic than tornado missiles	11/13/2009	TXNB-09065	03.05.02-1	No	
2828	124	Provide minimum thickness of cover for buried SSCs and provide characteristics of the design basis missiles	11/20/2009	TXNB-09071	03.05.03-1	Yes	Tornado missile design basis for the site-specific structures is Region II as described in FSAR 3.5.1.4.
2737	27	Propose a license condition for site-specific as-designed pipe break evaluation	9/22/2009	TXNB-09047	03.06.02-1	Yes	

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2737	27	Per SRP Section 14.3.3, Piping System & Components - ITAAC, requirement for as-built reconciliation of the pipe break evaluation report	9/22/2009	TXNB-09047	03.06.02-2	Yes	
2876	55	Define "outcrop" and how it relates to the development of GMRS	10/26/2009	TXNB-09058	03.07.01-1	No	
2876	55	Detail how the horizontal and vertical GMRS are developed	10/26/2009	TXNB-09058	03.07.01-2	No	
2876	55	Describe how the horizontal and vertical FIRS are generated	10/26/2009	TXNB-09058	03.07.01-3	No	
2876	55	Discrepancy in damping ratios	10/26/2009	TXNB-09058	03.07.01-4	No	
2876	55	SSE Technical Basis	10/26/2009	TXNB-09058	03.07.01-5	No	
2879	60	Seismic Analysis	11/24/2009	TXNB-09073	03.07.02-1	No	
2879	60	Results of the site-independent SSI analyses envelope site specific responses	11/24/2009	TXNB-09073	03.07.02-10	No	
2879	60	Role of ANSYS and SASSI in structural analyses of UHSRS, ESWPT, PSFSV, and PCCV CIS.	11/24/2009	TXNB-09073	03.07.02-11	No	
2879	60	SSI Analysis of ESWPT	11/24/2009	TXNB-09073	03.07.02-12	No	
2879	60	SSI Analysis of ESWPT	11/24/2009	TXNB-09073	03.07.02-13	No	
2879	60	Soil-structure interaction (SSI) analysis of PSFSVs "	11/24/2009	TXNB-09073	03.07.02-14	No	
2879	60	In-structure Response Spectra (ISRS) peak clipping	11/24/2009	TXNB-09073	03.07.02-15	No	
2879	60	Site-specific SSI analyses	11/24/2009	TXNB-09073	03.07.02-16	No	
2879	60	How the strain-compatible backfill properties are generated	11/24/2009	TXNB-09073	03.07.02-2	No	
2879	60	How the conversion from outcrop motion to within motion	11/24/2009	TXNB-09073	03.07.02-3	No	
2879	60	Uniform soil site	11/24/2009	TXNB-09073	03.07.02-4	No	
2879	60	Evaluate the impact of treating subgrade material as strain independent	11/24/2009	TXNB-09073	03.07.02-5	No	
2879	60	Frequency-independent impedance function SSI analysis	11/24/2009	TXNB-09073	03.07.02-6	No	
2879	60	Water table is $\leq 780'$ for purposes of seismic analysis	11/24/2009	TXNB-09073	03.07.02-7	No	
2879	60	ISRS standard plant vs. site-specific SSI models	11/24/2009	TXNB-09073	03.07.02-8	No	
2879	60	Lumped parameter models "envelope" site-specific variations in these parameters	11/24/2009	TXNB-09073	03.07.02-9	No	

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2883	64	Sloshing and hydrodynamic effects and the methodology used to determine.	10/30/2009	TXNB-09060	03.07.03-1	No	
2883	64	Convective mass of the water in the UHS structures be modeled in the response spectra analysis	10/30/2009	TXNB-09060	03.07.03-2	No	
2814	53	Earthquake recording times - seismic instrumentation requirements	10/21/2009	TXNB-09057	03.07.04-1	Yes	
4294	146	OBE and use of CAV	4/1/2010	TXNB-10026	03.07.04-2	No	
2990	106	Prestress friction losses of the tendons	11/13/2009	TXNB-09067	03.08.01-1	Yes	
4297	148	Installing curved prestressing tendons and concrete delamination	4/1/2010	TXNB-10026	03.08.01-10	Yes	
2990	106	Pre-stressing techniques and procedures.	11/13/2009	TXNB-09067	03.08.01-2	Yes	
2990	106	Applicable concrete codes	11/13/2009	TXNB-09067	03.08.01-3	Yes	
2990	106	Site Specific concrete mixture	11/13/2009	TXNB-09067	03.08.01-4	Yes	
2990	106	Groundwater / Soil Aggressivity Program - part of ISI	11/13/2009	TXNB-09067	03.08.01-5	Yes	
2990	106	PSI and PCCV	11/13/2009	TXNB-09067	03.08.01-6	Yes	
2990	106	Tendon end anchor inspections	11/13/2009	TXNB-09067	03.08.01-7	Yes	
2990	106	Wire or strand acceptance criteria	11/13/2009	TXNB-09067	03.08.01-8	Yes	
2990	106	Concrete surfaces inspection acceptance criteria	11/13/2009	TXNB-09067	03.08.01-9	Yes	
2994	108	ESWPT Figure discrepancies on elevations and details missing	12/10/2009	TXNB-09078	03.08.04-1	No	
2994	108	EWSPPT coefficient of friction and lateral transfer of loads	12/10/2009	TXNB-09078	03.08.04-10	No	
2994	108	ESWPT - dynamic forces	12/10/2009	TXNB-09078	03.08.04-11	No	
2994	108	UHSRS soil springs and ANSYS methods.	12/10/2009	TXNB-09078	03.08.04-12	No	
2994	108	UHSRS seismic forces	12/10/2009	TXNB-09078	03.08.04-13	No	
2994	108	PSFSV soil springs	12/10/2009	TXNB-09078	03.08.04-14	No	
2994	108	Soil Springs	12/10/2009	TXNB-09078	03.08.04-15	No	
2994	108	PSFSVs roof acts as a two way slab and how are static/dynamic soil pressures calculated	12/10/2009	TXNB-09078	03.08.04-16	No	
2994	108	Concrete Strength	12/10/2009	TXNB-09078	03.08.04-17	Yes	NA3 concrete fill strength is 2500 psi.
3006	122	SASSI Fine Mesh	12/14/2009	TXNB-09085	03.08.04-18	No	
3006	122	Explain purpose for performing SASSI analysis	12/14/2009	TXNB-09085	03.08.04-19	No	
2994	108	UHSRS - characteristics of expansion joints	12/10/2009	TXNB-09078	03.08.04-2	Yes	
3006	122	Explain high frequency exceedences and incoherence	12/14/2009	TXNB-09085	03.08.04-20	No	

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RAI ID #	CP RAI #	RAI Topic/Subject	Date Submitted	RAI Response Letter #	RAI Question #	NA3 S-COLA Endorsement (Note 1) (Note 2)	Endorsement Clarification
3006	122	SSI Analysis - Only one UHSRS	12/14/2009	TXNB-09085	03.08.04-21	No	
3006	122	FIRS / SSE / GMRS - how related and Backfill properties	12/14/2009	TXNB-09085	03.08.04-22	No	
3006	122	Values of the expected uncertainties in the backfill properties	12/14/2009	TXNB-09085	03.08.04-23	No	
3006	122	UHSRS Backfill and SSI	12/14/2009	TXNB-09085	03.08.04-24	No	
3006	122	Basemat and concrete fill interface modeling	12/14/2009	TXNB-09085	03.08.04-25	No	
3006	122	Basis of Cracked Concrete Equations	12/14/2009	TXNB-09085	03.08.04-26	Yes	ASCE 43-05 is valid as a reference for the methodology for accounting for slab cracking at NA3. The values and methodology for reduction of out-of-plane stiffness are discussed in S-COLA, Part 11, Sections 3.1.2, 4.1.1, and 5.1.1.
3006	122	UHSRS Sloshing	12/14/2009	TXNB-09085	03.08.04-27	No	
3006	122	Lateral dynamic soil pressures	12/14/2009	TXNB-09085	03.08.04-28	No	
3006	122	Sloshing effects in SSI for UHSRS	12/14/2009	TXNB-09085	03.08.04-29	No	
2994	108	UHSRS Tornado Protection	12/10/2009	TXNB-09078	03.08.04-3	Yes	
3006	122	Seismic multiplier of 1.57	12/14/2009	TXNB-09085	03.08.04-30	No	
3006	122	Information needs for seismic analysis:	12/14/2009	TXNB-09085	03.08.04-31	No	
3006	122	Soil spring basemat	12/14/2009	TXNB-09085	03.08.04-32	No	
3006	122	Out-of-Plane Wall Flexibility	12/14/2009	TXNB-09085	03.08.04-33	Yes	
3006	122	ESWPT Surrounding soil modeling	12/14/2009	TXNB-09085	03.08.04-34	No	
3006	122	Wave passage effects on the SSI of ESWPT.	12/14/2009	TXNB-09085	03.08.04-35	No	
3006	122	ESWPT boundary conditions for each segment. Expansion joints analysis.	12/14/2009	TXNB-09085	03.08.04-36	No	
3006	122	Shell and Brick Elements	12/14/2009	TXNB-09085	03.08.04-37	Yes	
3006	122	03.08.04-38	12/14/2009	TXNB-09085	03.08.04-38	No	
3006	122	ASCE 4-98 applicable sections for ESWPT seismic analysis	12/14/2009	TXNB-09085	03.08.04-39	Yes	
2994	108	PSFSVs: Seismic analysis and varying fuel oil level.	12/10/2009	TXNB-09078	03.08.04-4	No	
3006	122	ESWPT: Surrounding soil natural frequencies calculations	12/14/2009	TXNB-09085	03.08.04-40	No	
3006	122	SRSS vs. Newmark 100-40-40	12/14/2009	TXNB-09085	03.08.04-41	Yes	
3006	122	Note 2 in CP Table 3LL-1 editorial comment	12/14/2009	TXNB-09085	03.08.04-42	Yes	
3006	122	ESWPT: Material backfill properties	12/14/2009	TXNB-09085	03.08.04-43	No	
3006	122	ESWPT response spectra analysis	12/14/2009	TXNB-09085	03.08.04-44	No	

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RAI ID #	CP RAI #	RAI Topic/Subject	Date Submitted	RAI Response Letter #	RAI Question #	NA3 S-COLA Endorsement (Note 1) (Note 2)	Endorsement Clarification
3006	122	Allowable bearing capacities not presented in CP App. 3LL.	12/14/2009	TXNB-09085	03.08.04-45	Yes	NA3 S-COLA will be revised to add allowable bearing capacity values to NA3 COLA Part 11, Table 5.0-13 along with a note explaining where values originate in FSAR.
3006	122	SASSI input to ANSYS: How used and how many ANSYS models are there.	12/14/2009	TXNB-09085	03.08.04-46	No	
3006	122	Provide technical justification for using beam elements to model PSFSVs	12/14/2009	TXNB-09085	03.08.04-47	No	
3006	122	SASSI and Shear Wave Velocity in backfill reduction	12/14/2009	TXNB-09085	03.08.04-48	No	
3006	122	Rationale for not using symmetric shear forces.	12/14/2009	TXNB-09085	03.08.04-49	No	
2994	108	Provide details for buried piping and conduits	12/10/2009	TXNB-09078	03.08.04-5	No	
3006	122	ISRS use in design of fuel oil tanks in PSFSV.	12/14/2009	TXNB-09085	03.08.04-50	Yes	PSFSVs analysis is presented in NA3 S-COLA, Part 11, Chapter 4.0
3006	122	Types and locations of fill for PCCV and FH/A.	12/14/2009	TXNB-09085	03.08.04-51	No	
3006	122	Shear Wave Velocity backfill testing during construction	12/14/2009	TXNB-09085	03.08.04-52	No	
3006	122	Seismic - Equal Arrival Time Avg Method - Shear modulus and damping as a function of soil strain.	12/14/2009	TXNB-09085	03.08.04-53	No	
3006	122	Section 3NN.2 Clarification	12/14/2009	TXNB-09085	03.08.04-54	No	
3006	122	SASSI cutoff frequency specified	12/14/2009	TXNB-09085	03.08.04-55	No	
3006	122	Lumped-Mass-Stick Model: Mode shapes, dominant frequencies, and participation factors of ANSYS.	12/14/2009	TXNB-09085	03.08.04-56	No	
3006	122	3D beam elements	12/14/2009	TXNB-09085	03.08.04-57	No	
3006	122	Shell Element details for basemat and fill concrete interface	12/14/2009	TXNB-09085	03.08.04-58	No	
3006	122	Maximum Absolute accelerations: provided DCD values.	12/14/2009	TXNB-09085	03.08.04-59	No	
2994	108	Design SSE and provide information on design loads including tornado	12/10/2009	TXNB-09078	03.08.04-6	No	
3006	122	CP App 3NN COL Items on Title page.	12/14/2009	TXNB-09085	03.08.04-60	Yes	
2994	108	ESWPT: Surcharge pressure on the ground surface.	12/10/2009	TXNB-09078	03.08.04-7	No	

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2994	108	ESWPT Seismic Model - Technical basis of use of springs and long term settlement effects.	12/10/2009	TXNB-09078	03.08.04-8	No	
2994	108	ESWPT - Roof and Mat Slabs - Axial force direction	12/10/2009	TXNB-09078	03.08.04-9	No	
2999	115	Concrete Fill - Details	11/13/2009	TXNB-09067	03.08.05-1	No	
2999	115	Comanche Peak Units 1 and 2 settlement estimates as input to Units 3 and 4.	11/13/2009	TXNB-09067	03.08.05-2	No	
2999	115	List factor of safety for overturning, sliding, and flotation	11/13/2009	TXNB-09067	03.08.05-3	Yes	Values are site-specific.
2999	115	Provide any "minor" seismic Category I buildings or structures	11/13/2009	TXNB-09067	03.08.05-4	Yes	
2999	115	Ultimate bearing capacity of the limestone is 146,000 psf	11/13/2009	TXNB-09067	03.08.05-5	No	
2736	84	Schedule for review of design specifications of risk significant ASME class 1, 2, & 3 components	11/13/2009	TXNB-09065	03.09.03-1	No	
2736	84	Site-specific active pumps	11/13/2009	TXNB-09065	03.09.03-2	Yes	
2772	57	Specifications for pumps, valves, and dynamic restraints - Snubber functionality in harsh service conditions.	10/26/2009	TXNB-09058	03.09.06-1	Yes	
2772	57	Relief Request and authorization to ASME OM Code	10/26/2009	TXNB-09058	03.09.06-10	Yes	
2772	57	US-APWR DCD operational program for potential adverse flow effects on safety-related components	10/26/2009	TXNB-09058	03.09.06-11	Yes	
2772	57	Proposed licensing conditions in ITAAC to confirm implementation of programs in Table 13.4-201	10/26/2009	TXNB-09058	03.09.06-12	No	
2772	57	Inservice Testing Program	10/26/2009	TXNB-09058	03.09.06-2	Yes	
2772	57	Inservice Testing Program plan for pumps, valves, and dynamic restraints	10/26/2009	TXNB-09058	03.09.06-3	Yes	
2772	57	IST program evaluation of compliance with NRC regulations	10/26/2009	TXNB-09058	03.09.06-4	Yes	
2772	57	Confirmation of DCD Section 3.9.6 and supplemental information will be applied	10/26/2009	TXNB-09058	03.09.06-5	Yes	
2772	57	Description of plant-specific valves	10/26/2009	TXNB-09058	03.09.06-6	Yes	
2772	57	Basis for the deferral of exercise testing without a partial stroke test	10/26/2009	TXNB-09058	03.09.06-7	No	
2772	57	Alternative method for verification of valve position indicator operation	10/26/2009	TXNB-09058	03.09.06-8	Yes	

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2772	57	Non-intrusive diagnostic testing of safety-related MOVs	10/26/2009	TXNB-09058	03.09.06-9	Yes	
2730	25	Implementation plan for seismic qualification program	9/22/2009	TXNB-09047	03.10-1	Yes	
2730	25	Equipment Qualification Data Sheets	9/22/2009	TXNB-09047	03.10-2	Yes	
2730	25	COL Item 3.10(10) holder or deleted?	9/22/2009	TXNB-09047	03.10-3	No	
2765	73	Environmental Qualification Process - Availability of procurement specifications	11/11/2009	TXNB-09063	03.11-1	Yes	
2765	73	Environmental Qualification Process - Define "equivalent qualification process"	11/11/2009	TXNB-09063	03.11-10	Yes	
2765	73	Environmental Qualification Process	11/11/2009	TXNB-09063	03.11-11	Yes	NA3 S-COLA does not contain license conditions in Part 10.
3705	97	Environmental Qualification Document Retention	11/11/2009	TXNB-09064	03.11-12	No	
3705	97	Qualification Test Results Retention	11/11/2009	TXNB-09064	03.11-13	No	
3705	97	EQ Program Implementation Milestones	11/11/2009	TXNB-09064	03.11-14	Yes	
3705	97	Operational Programs - periodic tests, calibrations, and inspections	11/11/2009	TXNB-09064	03.11-15	Yes	
3705	97	FSAR Table 3D-201 Table	11/11/2009	TXNB-09064	03.11-16	No	
3705	97	Define "equivalent qualification process"	11/11/2009	TXNB-09064	03.11-17	No	
2765	73	Describe the operational program for EQ of mechanical equipment	11/11/2009	TXNB-09063	03.11-2	Yes	
2765	73	Applicability of DCD EQ provisions to plant-specific mechanical equipment.	11/11/2009	TXNB-09063	03.11-3	Yes	
2765	73	Retention of mechanical and electrical equipment EQ records	11/11/2009	TXNB-09063	03.11-4	Yes	A statement related to mechanical EQ records retention will be added in NA3 S-COLA, FSAR Section 3.11.
2765	73	Incorporating revisions to Tech Report MUAP-08015 into EQ program	11/11/2009	TXNB-09063	03.11-5	Yes	NA3 will implement the revision of MUAP-08015 that is referenced in the certified design control document since the DCD references for this section are incorporated by reference in the NA3 S-COLA.
2765	73	Site-specific environmental parameters in EQ program	11/11/2009	TXNB-09063	03.11-6	Yes	
2765	73	Retention of mechanical and electrical equipment EQ records	11/11/2009	TXNB-09063	03.11-7	Yes	A statement related to mechanical EQ records retention will be added in NA3 S-COLA, FSAR Section 3.11.
2765	73	Define "equivalent qualification process"	11/11/2009	TXNB-09063	03.11-8	No	
2765	73	Define "equivalent qualification process"	11/11/2009	TXNB-09063	03.11-9	No	

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2751	40	ASME OM Code Edition / Addenda for PST/IST	10/19/2009	TXNB-09055	05.02.01.01-1	Yes	
2751	40	ASME XI and OM Code Cases for COLA	10/19/2009	TXNB-09055	05.02.01.01-2	Yes	
2760	41	ASME III, XI, OM Code Cases for COLA	10/19/2009	TXNB-09055	05.02.01.02-1	Yes	
2795	42	Use of Code Case N-71-18	10/19/2009	TXNB-09055	05.02.01.02-2	Yes	
2969	87	Provide more detail on boric acid control program.	11/5/2009	TXNB-09062	05.02.04-1	Yes	The reference to CP Units 1 and 2 in the response is not applicable to North Anna Unit 3.
3457	58	Leak Detection Procedures	10/26/2009	TXNB-09058	05.02.05-1	Yes	
3457	58	Response procedures for low level leakage	10/26/2009	TXNB-09058	05.02.05-2	Yes	
4089R1	127	Operating Procedure details	2/19/2010	TXNB-10007	05.02.05-3	Yes	
3193	62	Revise FSAR 5.3.1 & Table 13.4-201 to include license conditions	10/30/2009	TXNB-09060	05.03.01-1	No	
3217	65	Test Specimen design	10/30/2009	TXNB-09060	05.03.01-2	No	
4200R1	128	Test Specimen removal schedule	2/19/2010	TXNB-10007	05.03.01-3	Yes	
2317	2	RPV PTS Evaluation	5/1/2009	TXNB-09010	05.03.02-1	No	
2353	8	Plant specific PTLR commitment	8/7/2009	TXNB-09028	05.03.02-2	Yes	
2353	8	PTS License Condition	8/7/2009	TXNB-09028	05.03.02-3	No	
2805	13	Protective coatings program	8/24/2009	TXNB-09033	06.01.02-1	Yes	
3677	94	Protective coatings program acceptance criteria	11/11/2009	TXNB-09064	06.01.02-2	Yes	
3105	76	Containment sump performance	11/12/2009	TXNB-09066	06.02.02-1	Yes	NA3 S-COLA includes unrelated departures.
3105	76	Containment cleanliness criteria	11/12/2009	TXNB-09066	06.02.02-2	Yes	
3105	76	Containment cleanliness program	11/12/2009	TXNB-09066	06.02.02-3	Yes	
3451	77	Periodic surveys of stationary and mobile sources of hazardous chemicals in the vicinity of plant site	11/12/2009	TXNB-09066	06.04-1	No	
3451	77	Acceptance criteria for charcoal adsorber within the ESF filtration units of Main Control Room HVAC system	11/12/2009	TXNB-09066	06.04-2	Yes	
3451	77	ESF filter system construction materials	11/12/2009	TXNB-09066	06.04-3	Yes	
3451	77	MCR habitability assumptions	11/12/2009	TXNB-09066	06.04-4	No	
3451	77	Toxic chemicals screened in as potential threats to the control room	11/12/2009	TXNB-09066	06.04-5	No	
3451	77	Discuss how regulatory requirements are met and what operators will be directed to do during a toxic gas release	11/12/2009	TXNB-09066	06.04-6	No	
3968	125	Provide RG 1.78 evaluation of refrigerants	2/22/2010	TXNB-10010	06.04-7	No	
2970	43	ASME Code XI Edition/Addenda for Class 2 & 3 PSI / ISI	10/19/2009	TXNB-09055	06.06-1	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)	Endorsement Clarification
2971	44	Augmented ISI program detail	10/19/2009	TXNB-09055	06.06-2	Yes	
2504	4	UHS system description	5/26/2009	TXNB-09020	07.04-1	Yes	
2506	5	EOF display capability description	5/26/2009	TXNB-09020	07.05-1	Yes	NA3 S-COLA FSAR Section 7.5.1.6.2 provides similar wording
2576	9	New failure modes for circuit breaker and RATs	8/11/2009	TXNB-09030	08.01-1	No	
2576	9	Electric power systems commonality	8/11/2009	TXNB-09030	08.01-2	Yes	
2577	24	Discuss what is meant by "adequate width" with regards to transmission lines	9/8/2009	TXNB-09040	08.02-1	No	
2577	24	Transformers and circuit breaker responsibility	9/8/2009	TXNB-09040	08.02-10	No	
2577	24	Underground cables	9/8/2009	TXNB-09040	08.02-11	No	
2577	24	Pilot protection	9/8/2009	TXNB-09040	08.02-12	No	
2577	24	Relay protection schemes	9/8/2009	TXNB-09040	08.02-13	No	
2577	24	Surge, lightning and ground protection	9/8/2009	TXNB-09040	08.02-14	No	
2577	24	Switching Station	9/8/2009	TXNB-09040	08.02-15	No	
2577	24	Battery location	9/8/2009	TXNB-09040	08.02-16	No	
2577	24	Primary and Backup relay location	9/8/2009	TXNB-09040	08.02-17	No	
2577	24	Primary and Backup relay: Physical separation	9/8/2009	TXNB-09040	08.02-18	No	
2577	24	Describe transformer protection	9/8/2009	TXNB-09040	08.02-19	No	
2577	24	ERCOT/ONCOR and CP communication	9/8/2009	TXNB-09040	08.02-2	No	
2577	24	Scenarios in Grid Reliability and Stability Analysis	9/8/2009	TXNB-09040	08.02-20	No	
2577	24	Grid Stability	9/8/2009	TXNB-09040	08.02-21	No	
2577	24	Grid Stability	9/8/2009	TXNB-09040	08.02-22	No	
2577	24	Transmission rights of way width	9/8/2009	TXNB-09040	08.02-23	No	
2577	24	Grid Stability	9/8/2009	TXNB-09040	08.02-24	No	
2577	24	Offsite power circuit failure	9/8/2009	TXNB-09040	08.02-25	No	
4538	152	Continuous ampere rating and short circuit rating of main buses	5/18/2010	TXNB-10037	08.02-26	No	
4538	152	Provide clarifications of values between the generator and main transformer	5/18/2010	TXNB-10037	08.02-27	Yes	The portion of the response related to the isophase bus is applicable to NA3.
4538	152	Underground power cable monitoring	5/18/2010	TXNB-10037	08.02-28	No	
2577	24	ERCOT/ONCOR and CP communication: Location of monitoring equipment	9/8/2009	TXNB-09040	08.02-3	No	
2577	24	Plant switching station: CCF	9/8/2009	TXNB-09040	08.02-4	No	
2577	24	Plant switching station: Buses and short circuits	9/8/2009	TXNB-09040	08.02-5	No	
2577	24	Plant switching station: physical layout	9/8/2009	TXNB-09040	08.02-6	No	

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RAI ID #	CP RAI #	RAI Topic/Subject	Date Submitted	RAI Response Letter #	RAI Question #	NA3 S-COLA Endorsement (Note 1) (Note 2)	Endorsement Clarification
2577	24	Transformer Fire Barriers	9/8/2009	TXNB-09040	08.02-7	No	
2577	24	Offsite Isolated Phase Bus Duct	9/8/2009	TXNB-09040	08.02-8	Yes	The portion of the response related to the isophase bus is applicable to NA3.
2577	24	Rating information of switchyard components	9/8/2009	TXNB-09040	08.02-9	No	
2581	23	Electrical load on GTG	9/8/2009	TXNB-09040	08.03.01-1	Yes	
3294	52	Heavy Loads Handling Program	10/21/2009	TXNB-09057	09.01.05-1	Yes	
3698	109	NPSH for the ESWS pumps	11/20/2009	TXNB-09071	09.02.01-1	No	
3698	109	Discuss freeze and overpressurization protection	11/20/2009	TXNB-09071	09.02.01-2	Yes	
3698	109	Waterhammer prevention	11/20/2009	TXNB-09071	09.02.01-3	Yes	The reference to Lake Granbury and the relative elevations is site-specific.
3698	109	ESWS cooling water system and flow rate indication and low flow alarm	11/20/2009	TXNB-09071	09.02.01-4	Yes	
3698	109	Use of ESWS to provide water to the fire protection system during an SSE	11/20/2009	TXNB-09071	09.02.01-5	Yes	NA3 S-COLA FSAR Figure 9.5.2-203 depicts ESWS-FSS interface.
3909	126	ITAAC for PSWS	2/18/2010	TXNB-10008	09.02.04-1	Yes	
3909	126	PSWS compliance with GDC 60	2/18/2010	TXNB-10008	09.02.04-2	No	
3909	126	Potable water tank questions.	2/18/2010	TXNB-10008	09.02.04-3	No	
3762	121	UHS description and designations	12/16/2009	TXNB-09081	09.02.05-1	Yes	Relative elevations are site-specific.
3762	121	Pump Suction Protection	12/16/2009	TXNB-09081	09.02.05-10	No	
3762	121	Silt accumulation, aquatic organisms, and biofouling agents in ESWS and UHS	12/16/2009	TXNB-09081	09.02.05-11	No	
3762	121	Describe specific provisions of GL 89-13 with regards to UHS related structures in terms of fulfilling GDC 45	12/16/2009	TXNB-09081	09.02.05-12	Yes	Chemicals used in the chemical injection system will be determined by Lake Anna water quality.
3762	121	Describe specific provisions of GL 89-13 with regards to UHS related structures in terms of fulfilling GDC 46	12/16/2009	TXNB-09081	09.02.05-13	Yes	
3762	121	LCO and Surveillance Requirements for the UHS	12/16/2009	TXNB-09081	09.02.05-14	No	
3762	121	UHS ITAAC	12/16/2009	TXNB-09081	09.02.05-15	Yes	Relative elevations are site-specific. The NA3 UHS basin is mostly above grade.
3762	121	COL Items in FSAR Section 9.2	12/16/2009	TXNB-09081	09.02.05-16	No	
3762	121	Seismic designation for non-safety-related parts of UHS	12/16/2009	TXNB-09081	09.02.05-2	Yes	
3762	121	Impact of missiles and pressure differential caused by a tornado on UHS	12/16/2009	TXNB-09081	09.02.05-3	Yes	
3762	121	Incomplete, inaccurate, and inconsistent descriptive information on the UHS	12/16/2009	TXNB-09081	09.02.05-4	No	

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RAI ID #	CP RAI #	RAI Topic/Subject	Date Submitted	RAI Response Letter #	RAI Question #	NA3 S-COLA Endorsement (Note 1) (Note 2)	Endorsement Clarification
3762	121	NRC staff found that the FSAR description did not demonstrate adequate performance of UHS for the most limiting conditions.	12/16/2009	TXNB-09081	09.02.05-5	No	
3762	121	Potential failures of UHS ESW pump house common header	12/16/2009	TXNB-09081	09.02.05-6	No	
3762	121	Provide minimum NPSH required for the transfer pumps	12/16/2009	TXNB-09081	09.02.05-7	No	
3762	121	UHS freeze protection	12/16/2009	TXNB-09081	09.02.05-8	No	
3762	121	Waterhammer vulnerabilities that apply to the UHS	12/16/2009	TXNB-09081	09.02.05-9	Yes	Elevations and piping descriptions are site-specific.
3219	63	FSAR description did not demonstrate adequate performance of UHS for most limiting condition.	10/30/2009	TXNB-09060	09.04.01-1	No	
3219	63	Preoperational testing of MCR AHU	10/30/2009	TXNB-09060	09.04.01-2	Yes	
3225	48	Capacity of cooling and heating coils	10/19/2009	TXNB-09055	09.04.03-1	Yes	
3230	110	Sizing of MCR AHU heaters	11/13/2009	TXNB-09067	09.04.05-1	No	
3232	123	Provide FMEA and correct inconsistencies with the UHS pump house ventilation system	12/16/2009	TXNB-09081	09.04.05-10	Yes	
3232	123	Motor Control Centers for UHS ESW Pump House Ventilation System	12/16/2009	TXNB-09081	09.04.05-11	Yes	Part 1 of the response has site-specific information.
3232	123	ESF Ventilation System inspection & testing	12/16/2009	TXNB-09081	09.04.05-12	Yes	Elevations are site-specific.
3230	110	Capacity of cooling and heating coils	11/13/2009	TXNB-09067	09.04.05-2	Yes	
3232	123	UHS ESW Pump House Ventilation System	12/16/2009	TXNB-09081	09.04.05-3	Yes	
3232	123	Tornado dampers in UHS ESW Pump House	12/16/2009	TXNB-09081	09.04.05-4	Yes	
3232	123	Internal flooding in ESW Pump and ESW Transfer Pump Rooms	12/16/2009	TXNB-09081	09.04.05-5	No	
3232	123	Address internally generated missiles in the UHS transfer pump room	12/16/2009	TXNB-09081	09.04.05-6	Yes	
3232	123	Design basis of ESW Ventilation System	12/16/2009	TXNB-09081	09.04.05-7	No	
3232	123	Maintaining design basis temperatures in the UHS EWS pump house	12/16/2009	TXNB-09081	09.04.05-8	Yes	
3232	123	ESW Pump House air intake	12/16/2009	TXNB-09081	09.04.05-9	No	
2328	10	Fire protection training recordkeeping	8/11/2009	TXNB-09030	09.05.01-1	Yes	
2328	10	NFPA standards for flammable & combustible liquids	8/11/2009	TXNB-09030	09.05.01-10	Yes	
2328	10	Fire risk evaluation procedure	8/11/2009	TXNB-09030	09.05.01-11	No	
2328	10	Control of ignition sources	8/11/2009	TXNB-09030	09.05.01-12	No	
2328	10	Fire protection housekeeping	8/11/2009	TXNB-09030	09.05.01-13	No	

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RAI ID #	CP RAI #	RAI Topic/Subject	Date Submitted	RAI Response Letter #	RAI Question #	NA3 S-COLA Endorsement (Note 1) (Note 2)	Endorsement Clarification
2328	10	Fire protection system maintenance and impairments	8/11/2009	TXNB-09030	09.05.01-14	No	
2328	10	FP Water Storage Tank design basis	8/11/2009	TXNB-09030	09.05.01-15	No	
2328	10	NFPA reference to fire extinguishers	8/11/2009	TXNB-09030	09.05.01-16	Yes	
2328	10	Fire brigade resources	8/11/2009	TXNB-09030	09.05.01-17	No	
2328	10	Fire brigade resources	8/11/2009	TXNB-09030	09.05.01-18	Yes	FSAR subsection headings are different in the NA3 S-COLA.
2328	10	Control of combustible materials	8/11/2009	TXNB-09030	09.05.01-19	No	
2328	10	Fire protection Quality Assurance Program	8/11/2009	TXNB-09030	09.05.01-2	No	
2328	10	RG 1.189, Regulatory Position 6.2.1 - Fire protection features that will be implemented in new fuel areas.	8/11/2009	TXNB-09030	09.05.01-20	Yes	
2328	10	RG 1.189, Regulatory Position 1.8.1.3 - FP program change procedures.	8/11/2009	TXNB-09030	09.05.01-3	No	
2328	10	RG 1.189, Regulatory Position 1.8.1.5 - FP program record maintenance procedures.	8/11/2009	TXNB-09030	09.05.01-4	No	
2328	10	RG 1.189, Regulatory Position 1.8.3 - Requirements that must be met when opting not to change or modify the FP program without seeking prior NRC approval.	8/11/2009	TXNB-09030	09.05.01-5	No	
2328	10	RG 1.189, Regulatory Position 1.8.5 - FP program reporting procedures in accordance with 10 CFR 50.72 and 10 CFR 50.73.	8/11/2009	TXNB-09030	09.05.01-6	No	
2328	10	RG 1.189, Regulatory Position 1.8.6 - Description of the deviation from the NFPA codes and standards.	8/11/2009	TXNB-09030	09.05.01-7	Yes	
2328	10	RG 1.189, Regulatory Position 2.1.1 - Description of the deviation from the NFPA codes and standards.	8/11/2009	TXNB-09030	09.05.01-8	Yes	Certain terminology and area designations are site-specific.
2328	10	RG 1.189, Regulatory Position 2.1.2 - Description of the modification review procedure for the FP program.	8/11/2009	TXNB-09030	09.05.01-9	No	
2764	34	Communications and Meeting NRC Bulletin 80-15.	10/15/2009	TXNB-09054	09.05.02-1	Yes	
2614	6	Inservice inspection program for turbine rotor	6/17/2009	TXNB-09023	10.02.03-1	Yes	
2513	7	FAC Monitoring: Description and schedule	8/7/2009	TXNB-09028	10.03.06-1	Yes	
2513	7	FAC Monitoring: Specifications	8/7/2009	TXNB-09028	10.03.06-2	Yes	

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RAI ID #	CP RAI #	RAI Topic/Subject	Date Submitted	RAI Response Letter #	RAI Question #	NA3 S-COLA Endorsement (Note 1) (Note 2)	Endorsement Clarification
2513	7	FAC concerns related to the minimum allowable wall thickness at which the component must be repaired or replaced.	8/7/2009	TXNB-09028	10.03.06-3	Yes	
2700	16	Design details of MSSVs, including the valve throat area and design basis functional analysis.	8/24/2009	TXNB-09033	10.03-1	Yes	
2708	17	SGBDS and Table 3.2-201 classification	8/24/2009	TXNB-09034	10.04.08-1	Yes	
2708	17	SGBDS and duplication statements describing system.	8/24/2009	TXNB-09034	10.04.08-2	Yes	
2747	29	Mobile processing systems cross-contamination	9/24/2009	TXNB-09048	11.02-1	Yes	
3398	49	LWMS Figure issues	10/19/2009	TXNB-09055	11.02-10	No	
2747	29	Site specific LWMS design	9/24/2009	TXNB-09048	11.02-2	No	
2747	29	Effluent Release Holdup Pond	9/24/2009	TXNB-09048	11.02-3	No	
2747	29	Precautions to prevent unmonitored release	9/24/2009	TXNB-09048	11.02-4	Yes	
3398	49	PWR-GALE input/output files	10/19/2009	TXNB-09055	11.02-5	No	
3398	49	Leakage from mobile or temporary equipment	10/19/2009	TXNB-09055	11.02-6	Yes	
3398	49	Site specific LWMS design	10/19/2009	TXNB-09055	11.02-7	No	
3398	49	Evaporation Pond system details	10/19/2009	TXNB-09055	11.02-8	No	
3398	49	LADTAP II code input/output files	10/19/2009	TXNB-09055	11.02-9	No	
2748	35	FSAR P&IDs: Eq. class 6	10/15/2009	TXNB-09054	11.03-1	No	
3400	36	GASPAR II input and output	10/15/2009	TXNB-09054	11.03-2	No	
2749	38	Contracted mobile de-watering system	10/19/2009	TXNB-09055	11.04-1	Yes	
2749	38	Contracted mobile de-watering system	10/19/2009	TXNB-09055	11.04-2	Yes	
3401	39	Cost-Benefit analysis assumptions, values, and bases for LWMS, GWMS, and SWMS.	10/19/2009	TXNB-09055	11.04-3	No	
3401	39	Site specific design of IRSF	10/19/2009	TXNB-09055	11.04-4	No	
3402	50	ODCM	10/19/2009	TXNB-09055	11.05-1	No	
3402	50	Site specific design of process and effluent radiation monitoring system	10/19/2009	TXNB-09055	11.05-2	Yes	Site-specific information related to Evaporation Pond Discharge Radiation Monitor is not applicable to NA3.
3602	59	QAP inconsistency	10/26/2009	TXNB-09058	11.05-3	No	
3316	118	NEI Template 07-03	11/16/2009	TXNB-09068	12.01-1	Yes	
3316	118	NEI Template 07-08	11/16/2009	TXNB-09068	12.01-2	Yes	
3316	118	Regulatory Guides 8.20, 8.32, 1.206 and 4.21	11/16/2009	TXNB-09068	12.01-3	Yes	

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RAI ID #	CP RAI #	RAI Topic/Subject	Date Submitted	RAI Response Letter #	RAI Question #	NA3 S-COLA Endorsement (Note 1) (Note 2)	Endorsement Clarification
3316	118	NEI Template 08-08 and Regulatory Guide 4.21	11/16/2009	TXNB-09068	12.01-4	Yes	NA3 S-COLA FSAR Table 1.6-201 does not include NEI 08-08, since the template is not incorporated by reference.
3509	85	Radiation sources	11/5/2009	TXNB-09062	12.02-1	Yes	
3317	89	Evaporation Pond system details	11/5/2009	TXNB-09062	12.02-2	No	
3511	99	Compliance with 10CFR 20.1406 minimization of contamination	11/11/2009	TXNB-09064	12.03-12.04-1	Yes	Table 1.9-202 mark-up is not incorporated because NA3 S-COLA FSAR Table 1.9-202 addresses RG 4.21 conformance. Table 1.6-201 mark-up is not incorporated because NEI 08-08 is not incorporated by reference.
4207	133	Construction Worker dose	2/24/2010	TXNB-10012	12.03-12.04-10	No	
4206	135	Minimization of contamination	3/5/2010	TXNB-10018	12.03-12.04-11	No	
3318	119	Very High Radiation Areas	11/16/2009	TXNB-09068	12.03-12.04-2	Yes	
3318	119	Portable and laboratory radiation protection instrumentation	11/16/2009	TXNB-09068	12.03-12.04-3	Yes	
3318	119	Interim Radioactive Waste Facility	11/16/2009	TXNB-09068	12.03-12.04-4	No	
3318	119	Construction Worker dose	11/16/2009	TXNB-09068	12.03-12.04-5	No	
3318	119	ALARA	11/16/2009	TXNB-09068	12.03-12.04-6	No	
3318	119	Conceptual Site Model	11/16/2009	TXNB-09068	12.03-12.04-7	No	
3318	119	Construction ALARA	11/16/2009	TXNB-09068	12.03-12.04-8	No	
4207	133	Construction ALARA	2/24/2010	TXNB-10012	12.03-12.04-9	No	
3319	100	Non-radiological respiratory protection program	11/11/2009	TXNB-09064	12.05-1	Yes	
3319	100	Cobalt reduction strategy	11/11/2009	TXNB-09064	12.05-2	Yes	
3510	117	Existing site radiation protection program	11/16/2009	TXNB-09068	12.05-3	Yes	
3510	117	Calibration of portable and laboratory radiation protection instrumentation	11/16/2009	TXNB-09068	12.05-4	Yes	
4208	136	Non-radiological respiratory protection program	3/9/2010	TXNB-10020	12.05-5	Yes	
4208	136	Source term reduction strategy	3/9/2010	TXNB-10020	12.05-6	Yes	
2836	68	Plan to describe the procurement of materials and equipment	11/5/2009	TXNB-09061	13.01.01-1	No	
2836	68	Internal reference error in FSAR	11/5/2009	TXNB-09061	13.01.01-2	No	
2836	68	Staff recruiting and training programs, Chapter 13	11/5/2009	TXNB-09061	13.01.01-3	No	
2836	68	Plan to develop maintenance programs	11/5/2009	TXNB-09061	13.01.01-4	No	

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2837	69	Fuel load schedule	11/5/2009	TXNB-09061	13.01.02-13.01.03-1	No	
2837	69	Personnel functions and responsibility descriptions missing	11/5/2009	TXNB-09061	13.01.02-13.01.03-2	No	
2837	69	Initial test program participation	11/5/2009	TXNB-09061	13.01.02-13.01.03-3	No	
2837	69	Power generation facilities	11/5/2009	TXNB-09061	13.01.02-13.01.03-4	No	
2837	69	Disparity: Description of Shift Ops Mgr	11/5/2009	TXNB-09061	13.01.02-13.01.03-5	No	
3295	70	Emergency Action Levels	11/18/2009	TXNB-09072	13.03-1	Yes	Except commitment to Critical Element 3, which proposes a specific license condition.
3327	78	RP Coordinator	11/12/2009	TXNB-09066	13.03-10	No	
3327	78	Personnel positions and authorities	11/12/2009	TXNB-09066	13.03-11	No	
3327	78	Emergency Plan remedial exercises and radiation monitoring drills	11/12/2009	TXNB-09066	13.03-12	Yes	
3327	78	Specialized EP Staff Training	11/12/2009	TXNB-09066	13.03-13	No	
3327	78	Emergency Plan, Security Event prompt notification	11/12/2009	TXNB-09066	13.03-14	No	
3327	78	ITAAC and RG 1.206	11/18/2009	TXNB-09072	13.03-15	No	
3327	78	Emergency Plan considerations for multi-unit sites	11/12/2009	TXNB-09066	13.03-16	No	
3183	88	Population growth	11/16/2009	TXNB-09069	13.03-17	No	
3183	88	ETE	11/16/2009	TXNB-09069	13.03-18	No	
3183	88	ETE	11/16/2009	TXNB-09069	13.03-19	No	
3327	78	ETE	11/18/2009	TXNB-09072	13.03-2	No	
3183	88	Transient population estimates	11/16/2009	TXNB-09069	13.03-20	No	
3183	88	ETE	11/16/2009	TXNB-09069	13.03-21	No	
3183	88	ETE	11/16/2009	TXNB-09069	13.03-22	No	
3183	88	ETE	11/16/2009	TXNB-09069	13.03-23	No	
3183	88	ETE	11/16/2009	TXNB-09069	13.03-24	No	
3183	88	ETE	11/16/2009	TXNB-09069	13.03-25	No	
3183	88	ETE	11/16/2009	TXNB-09069	13.03-26	No	
3183	88	ETE	11/16/2009	TXNB-09069	13.03-27	No	
3183	88	ETE	11/16/2009	TXNB-09069	13.03-28	No	
3183	88	ETE	11/16/2009	TXNB-09069	13.03-29	No	
3327	78	ETE	11/18/2009	TXNB-09072	13.03-3	No	
4224	134	ETE	3/1/2010	TXNB-10014	13.03-30	No	
4224	134	ETE	3/1/2010	TXNB-10014	13.03-31	No	

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)	Endorsement Clarification
4224	134	ETE	3/1/2010	TXNB-10014	13.03-32	No	
4224	134	ETE	3/1/2010	TXNB-10014	13.03-33	No	
4224	134	Question withdrawn	3/1/2010	TXNB-10014	13.03-34	No	
4224	134	Question revised by RAI #137	3/1/2010	TXNB-10014	13.03-35	No	
4224	134	ETE	3/1/2010	TXNB-10014	13.03-36	No	
4372	137	ETE	3/5/2010	TXNB-10019	13.03-37	No	
4579	159	ERO staff positions and qualifications	6/7/2010	TXNB-10042	13.03-38	No	
4579	159	Recovery organization positions and authorities	6/7/2010	TXNB-10042	13.03-39	No	
3327	78	Systems designed for other purposes are adapted to incident alert notification at CPNPP	11/12/2009	TXNB-09066	13.03-4	No	
4579	159	EP, Red Cross Training	6/7/2010	TXNB-10042	13.03-40	No	
4579	159	EP, Hostile Event, Alternative ERFs	6/7/2010	TXNB-10042	13.03-41	No	
4579	159	EP, Hostile Event, Protection of onsite emergency workers	6/7/2010	TXNB-10042	13.03-42	No	
3327	78	Availability of backup power sources	11/12/2009	TXNB-09066	13.03-5	No	
3327	78	Public information dissemination and EOF provisions for Media staff	11/12/2009	TXNB-09066	13.03-6	No	
3327	78	Various Part 5 topics, generally related to data displays and other features of the TSC and EOF	11/18/2009	TXNB-09072	13.03-7	No	
3327	78	EALs and ITAAC	11/12/2009	TXNB-09066	13.03-8	No	
3327	78	Emergency Planning	11/12/2009	TXNB-09066	13.03-9	Yes	RAI Items J-1 through J-3 are site-specific.
3592	71	NEI 08-08A, Groundwater monitoring, 20.1406 Compliance	11/5/2009	TXNB-09061	13.04-1	No	
3592	71	Primary to Secondary Leakage Detection Program	11/5/2009	TXNB-09061	13.04-2	No	
3592	71	Primary Coolant Sources Outside Containment Program	11/5/2009	TXNB-09061	13.04-3	No	
4454	151	SG preservice exam in Table 13.4-201	4/12/2010	TXNB-10030	13.04-4	Yes	
3033	37	FSAR Writer's Guide	10/19/2009	TXNB-09055	13.05.02.01-1	No	
3033	37	Identify organization which writes procedures	10/19/2009	TXNB-09055	13.05.02.01-2	Yes	
3033	37	EOP Development, P-STGs	10/19/2009	TXNB-09055	13.05.02.01-3	Yes	Plans to develop and submit P-STGs are addressed in NA3 S-COLA FSAR 13.5.2.1.1.4 using site-specific terminology.

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RAI ID #	CP RAI #	RAI Topic/Subject	Date Submitted	RAI Response Letter #	RAI Question #	NA3 S-COLA Endorsement (Note 1) (Note 2)	Endorsement Clarification
3033	37	EOP Development, GTGs	10/19/2009	TXNB-09055	13.05.02.01-4	Yes	Information to be included in generic technical guidelines is addressed in NA3 S-COLA FSAR 13.5.2.1.1.4 using site-specific terminology.
3033	37	EOP Development, Writers Guide	10/19/2009	TXNB-09055	13.05.02.01-5	Yes	
3033	37	EOP Development, V&V	10/19/2009	TXNB-09055	13.05.02.01-6	Yes	
4585	161	Reference to MHI Report	6/24/2010	TXNB-10047	13.06.01-1	No	
4585	161	Video Images	6/24/2010	TXNB-10047	13.06.01-10	No	
4585	161	Reference to MHI Report	6/24/2010	TXNB-10047	13.06.01-11	No	
4585	161	Reference to MHI Report	6/24/2010	TXNB-10047	13.06.01-12	No	
4585	161	Reference to High Assurance Report	6/24/2010	TXNB-10047	13.06.01-13	No	
4585	161	Name of Applicant	6/24/2010	TXNB-10047	13.06.01-14	No	
4585	161	References to 10 CFR 52.79	6/24/2010	TXNB-10047	13.06.01-15	No	
4585	161	Applicability of FSAR Chap 2	6/24/2010	TXNB-10047	13.06.01-16	No	
4585	161	10 CFR 73 references	6/24/2010	TXNB-10047	13.06.01-17	No	
4585	161	Safety/Security Interface	6/24/2010	TXNB-10047	13.06.01-18	No	
4585	161	Security contractor	6/24/2010	TXNB-10047	13.06.01-19	No	
4585	161	Security related aspects of Emergency Planning	6/24/2010	TXNB-10047	13.06.01-2	No	
4585	161	PSP correction	6/24/2010	TXNB-10047	13.06.01-20	No	
4585	161	PSP correction	6/24/2010	TXNB-10047	13.06.01-21	No	
4585	161	PSP correction	6/24/2010	TXNB-10047	13.06.01-22	No	
4585	161	PSP correction	6/24/2010	TXNB-10047	13.06.01-23	No	
4585	161	PSP reference	6/24/2010	TXNB-10047	13.06.01-24	No	
4585	161	PSP reference	6/24/2010	TXNB-10047	13.06.01-25	No	
4585	161	Bounding vehicle size & speed	6/24/2010	TXNB-10047	13.06.01-26	No	
4585	161	Blast Analysis reference	6/24/2010	TXNB-10047	13.06.01-27	No	
4585	161	Design description	6/24/2010	TXNB-10047	13.06.01-28	No	
4585	161	Design requirements - trains	6/24/2010	TXNB-10047	13.06.01-29	No	
4585	161	Independent review - Safety/Security Interface	6/24/2010	TXNB-10047	13.06.01-3	No	
4585	161	Interior security features	6/24/2010	TXNB-10047	13.06.01-30	No	
4585	161	Insider mitigation	6/24/2010	TXNB-10047	13.06.01-31	No	
4585	161	Fuel pool security	6/24/2010	TXNB-10047	13.06.01-32	No	
4585	161	Intrusion detection	6/24/2010	TXNB-10047	13.06.01-33	No	
4585	161	Design - Intrusion detection	6/24/2010	TXNB-10047	13.06.01-34	No	
4585	161	Backup power source	6/24/2010	TXNB-10047	13.06.01-35	No	
4585	161	Vital areas	6/24/2010	TXNB-10047	13.06.01-36	No	
4585	161	CAS/SAS	6/24/2010	TXNB-10047	13.06.01-37	No	
4585	161	CP Security Offices	6/24/2010	TXNB-10047	13.06.01-38	No	

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RAI ID #	CP RAI #	RAI Topic/Subject	Date Submitted	RAI Response Letter #	RAI Question #	NA3 S-COLA Endorsement (Note 1) (Note 2)	Endorsement Clarification
4585	161	Enhanced Weapons	6/24/2010	TXNB-10047	13.06.01-39	No	
4585	161	Security milestones	6/24/2010	TXNB-10047	13.06.01-4	No	
4585	161	Security Management	6/24/2010	TXNB-10047	13.06.01-40	No	
4585	161	CAS/SAS operator qualification	6/24/2010	TXNB-10047	13.06.01-41	No	
4585	161	Clarification concerning MHI report	6/24/2010	TXNB-10047	13.06.01-42	No	
4585	161	Facility procedures	6/24/2010	TXNB-10047	13.06.01-43	No	
4585	161	Texas DPS	6/24/2010	TXNB-10047	13.06.01-44	No	
4585	161	Armed Responders	6/24/2010	TXNB-10047	13.06.01-45	No	
4585	161	CP SAS	6/24/2010	TXNB-10047	13.06.01-46	No	
4585	161	CP MOU	6/24/2010	TXNB-10047	13.06.01-47	No	
4585	161	Concrete block dimensions	6/24/2010	TXNB-10047	13.06.01-48	No	
4585	161	Protective Strategy	6/24/2010	TXNB-10047	13.06.01-49	No	
4585	161	Control of Safeguards Information during construction	6/24/2010	TXNB-10047	13.06.01-5	No	
4585	161	Soft Walls	6/24/2010	TXNB-10047	13.06.01-50	No	
4585	161	Camera Systems	6/24/2010	TXNB-10047	13.06.01-51	No	
4585	161	Design outside scope of DCD	6/24/2010	TXNB-10047	13.06.01-6	No	
4585	161	Security Plan submittals	6/24/2010	TXNB-10047	13.06.01-7	No	
4585	161	Reference to MHI Report	6/24/2010	TXNB-10047	13.06.01-8	No	
4585	161	CAS/SAS conceptual design	6/24/2010	TXNB-10047	13.06.01-9	No	
4209	129	Testing and calibration of portable RP instruments	2/22/2010	TXNB-10010	14.02.01-1	No	
3074	74	Add clarification concerning scope of plant-specific testing	11/11/2009	TXNB-09063	14.02-1	Yes	
3593	86	Add leakage control and detection system testing to preoperational tests	11/5/2009	TXNB-09062	14.02-10	No	
3593	86	Demonstrate system instruments have required sensitivity	11/5/2009	TXNB-09062	14.02-11	No	
3593	86	Pre-operational testing of portable and laboratory radiation protection instrumentation	11/5/2009	TXNB-09062	14.02-12	No	
3593	86	Portable Radiation Monitor alarm is functionally viable.	11/5/2009	TXNB-09062	14.02-13	No	
3593	86	Calibration standards for portable and laboratory radiation protection instrumentation	11/5/2009	TXNB-09062	14.02-14	No	
3790	98	ESWS Blowdown and FSS interface testing	11/11/2009	TXNB-09064	14.02-15	Yes	
3790	98	UHS transfer pump interlocks & test at min basin level	11/11/2009	TXNB-09064	14.02-16	Yes	
4712	163	Qualifications of startup group personnel	6/25/2010	TXNB-10048	14.02-17	No	

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RAI ID #	CP RAI #	RAI Topic/Subject	Date Submitted	RAI Response Letter #	RAI Question #	NA3 S-COLA Endorsement (Note 1) (Note 2)	Endorsement Clarification
4681	164	ITP regulatory guide conformance	6/25/2010	TXNB-10048	14.02-18	No	
2954	75	Add design organization review of modifications	11/11/2009	TXNB-09063	14.02-2	No	
2954	75	Specify that required tests will be done prior to mode changes	11/11/2009	TXNB-09063	14.02-3	Yes	
2954	75	Provide description of education, qualification, experience, training, etc. for various ITP org. positions.	11/11/2009	TXNB-09063	14.02-4	No	
2954	75	Provide a schedule for training of personnel for ITP activities.	11/11/2009	TXNB-09063	14.02-5	No	
2954	75	Overlapping test programs of Chapter 14	11/11/2009	TXNB-09063	14.02-6	No	
2954	75	Procedures for resolution of failures to meet test acceptance criteria	11/11/2009	TXNB-09063	14.02-7	No	
2954	75	Administrative controls for review of individual parts of multiple tests	11/11/2009	TXNB-09063	14.02-8	No	
3593	86	Portable radiation survey instruments acceptance criteria	11/5/2009	TXNB-09062	14.02-9	No	
2583	56	UHS, ESW Components ITAAC	10/26/2009	TXNB-09058	14.03.03-1	Yes	
2583	56	UHS, ESW Piping ITAAC	10/26/2009	TXNB-09058	14.03.03-2	Yes	
2583	56	ITAAC wording for pressure boundary welds	10/26/2009	TXNB-09058	14.03.03-3	Yes	
2583	56	Structural ITAAC for piping	10/26/2009	TXNB-09058	14.03.03-4	Yes	
3293	81	Revision to UHS ITAAC Table A.1-1, item 1.b	11/13/2009	TXNB-09065	14.03.07-1	Yes	
3293	81	Revision to UHS ITAAC Table A.3-1, item 2.a & 2.b	11/13/2009	TXNB-09065	14.03.07-10	No	
3293	81	Revision to UHS ITAAC Table A.3-1, item 3 & 4	11/13/2009	TXNB-09065	14.03.07-11	Yes	
3293	81	Structural ITAAC for penetrations	11/13/2009	TXNB-09065	14.03.07-12	Yes	
3366	82	UHS basin blowdown ITAAC	11/13/2009	TXNB-09065	14.03.07-13	Yes	
3366	82	Revision to UHS ITAAC Table A.1-1, item 14	11/13/2009	TXNB-09065	14.03.07-14	Yes	
3366	82	UHS,ESW Pump House ITAAC	11/13/2009	TXNB-09065	14.03.07-15	Yes	
3366	82	UHS,ESW Pump House ITAAC	11/13/2009	TXNB-09065	14.03.07-16	Yes	
3366	82	Revision to UHS ITAAC Table A.3-1, item 4 & 5.a	11/13/2009	TXNB-09065	14.03.07-17	Yes	
3366	82	Revision to UHS ITAAC Table A.3-1, item 5.b & 6	11/13/2009	TXNB-09065	14.03.07-18	Yes	
3366	82	Fire ratings in ITAAC AC	11/13/2009	TXNB-09065	14.03.07-19	Yes	
3293	81	ITAAC wording not consistent with DCD wording	11/13/2009	TXNB-09065	14.03.07-2	Yes	

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RAI ID #	CP RAI #	RAI Topic/Subject	Date Submitted	RAI Response Letter #	RAI Question #	NA3 S-COLA Endorsement (Note 1) (Note 2)	Endorsement Clarification
3366	82	Structural configuration ITAAC for site specific structures-clarifications	11/13/2009	TXNB-09065	14.03.07-20	Yes	
3532	83	UHS,ESW Pump House ITAAC	11/13/2009	TXNB-09065	14.03.07-21	Yes	
3532	83	Revision to UHS ITAAC Table A.2-1, item 3.a	11/13/2009	TXNB-09065	14.03.07-22	Yes	
3532	83	Revision to UHS ITAAC Table A.2-1, item 3.b	11/13/2009	TXNB-09065	14.03.07-23	Yes	
3532	83	UHS,ESW Pump House ITAAC	11/13/2009	TXNB-09065	14.03.07-24	Yes	
3532	83	UHS ITAAC	11/13/2009	TXNB-09065	14.03.07-25	Yes	
3532	83	UHS ITAAC	11/13/2009	TXNB-09065	14.03.07-26	Yes	
3532	83	UHS ITAAC	11/13/2009	TXNB-09065	14.03.07-27	Yes	
3532	83	UHS,ESW Pump House design descriptions	11/13/2009	TXNB-09065	14.03.07-28	No	
3293	81	Structural ITAAC	11/13/2009	TXNB-09065	14.03.07-3	Yes	
3293	81	Revision to UHS ITAAC Table A.1-1, item 6.b and Table A.2-1, item 3.b	11/13/2009	TXNB-09065	14.03.07-4	Yes	
3293	81	UHS,ESW Pump House ITAAC	11/13/2009	TXNB-09065	14.03.07-5	Yes	
3293	81	Revision to UHS ITAAC Table A.1-1, item 9.b and 10.b; Table A.2-1, item 5.b	11/13/2009	TXNB-09065	14.03.07-6	Yes	
3293	81	ITAAC wording not consistent with DCD wording	11/13/2009	TXNB-09065	14.03.07-7	Yes	
3293	81	Revision to UHS ITAAC Table A.1-1, item 13	11/13/2009	TXNB-09065	14.03.07-8	Yes	
3293	81	Structural configuration ITAAC for site specific structures	11/13/2009	TXNB-09065	14.03.07-9	Yes	
2332	1	Compatibility of plant fire equipment to that used by local fire departments	5/1/2009	TXNB-09010	14.03-1	No	
3113	90	UHS transfer pump surveillance	11/11/2009	TXNB-09064	16-1	Yes	Except reference to Question 16-7.
3113	90	Initial surveillance frequencies for Tech Spec surveillances controlled by SFCP	11/11/2009	TXNB-09064	16-10	No	
3315	91	Change references to 10 CFR 50.36(d)(2)(ii)	11/11/2009	TXNB-09064	16-11	Yes	
3315	91	PTS editorial errors	11/11/2009	TXNB-09064	16-12	No	
3315	91	ESFAS Bases info missing	11/11/2009	TXNB-09064	16-13	No	
3315	91	ESFAS Bases editorial errors	11/11/2009	TXNB-09064	16-14	No	
3315	91	Basis for loss and degraded voltage time delays	11/11/2009	TXNB-09064	16-15	No	
3315	91	Compliance with ISG-8 with respect to setpoints and allowable values	11/11/2009	TXNB-09064	16-16	Yes	
3834	120	Setpoint Control Program	11/11/2009	TXNB-09064	16-17	Yes	

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RAI ID #	CP RAI #	RAI Topic/Subject	Date Submitted	RAI Response Letter #	RAI Question #	NA3 S-COLA Endorsement (Note 1) (Note 2)	Endorsement Clarification
4406	149	UHS transfer pump surveillance frequency	4/5/2010	TXNB-10028	16-18	Yes	Surveillance Requirement frequency is in accordance with the inservice testing program.
4406	149	UHS transfer pump surveillance frequency	4/5/2010	TXNB-10028	16-19	Yes	
3113	90	NPHS for the ESW pumps	11/11/2009	TXNB-09064	16-2	No	
3113	90	UHS transfer pump allowable outage time	11/11/2009	TXNB-09064	16-3	Yes	
3113	90	UHS LCO Actions for basins	11/11/2009	TXNB-09064	16-4	Yes	Different language was utilized for LCO Action E.
3113	90	Surveillance requirement for UHS valves	11/11/2009	TXNB-09064	16-5	Yes	Surveillance frequency provides a specific periodicity.
3113	90	UHS cooling tower fan operation	11/11/2009	TXNB-09064	16-6	Yes	
3113	90	UHS transfer pump surveillance frequency	11/11/2009	TXNB-09064	16-7	No	
3113	90	UHS cooling tower allowable outage time	11/11/2009	TXNB-09064	16-8	Yes	
3113	90	PTS 4.1 - Site location	11/11/2009	TXNB-09064	16-9	No	
3688	92	O-RAP Objectives	12/9/2009	TXNB-09077	17.04-1	Yes	NA3 S-COLA includes the phrase "reliability assurance activities during the operations phase" in lieu of "O-RAP" because there is not a separate operational program.
3688	92	O-RAP implementation	12/9/2009	TXNB-09077	17.04-2	No	
3688	92	Correction to RAP equipment list - UHS	12/9/2009	TXNB-09077	17.04-3	Yes	
3688	92	D-RAP clarification	12/9/2009	TXNB-09077	17.04-4	Yes	NA3 S-COLA includes the phrase "reliability assurance activities during the operations phase" in lieu of "O-RAP" because there is not a separate operational program
2996	79	Delegated responsibilities for establishing and executing the QAP	11/13/2009	TXNB-09065	17.5-1	No	
2996	79	CP QAPD omitted template paragraph	11/13/2009	TXNB-09065	17.5-10	No	
2996	79	Evaluation of existing Luminant QA Program vs. SRP	11/13/2009	TXNB-09065	17.5-2	No	
2996	79	Listing of references in FSAR	11/13/2009	TXNB-09065	17.5-3	No	
2996	79	RG conformance of existing CP QAPD	11/13/2009	TXNB-09065	17.5-4	No	
2996	79	CP Contractors and QA structure	11/13/2009	TXNB-09065	17.5-5	No	
2996	79	Implementation of CP QAPD	11/13/2009	TXNB-09065	17.5-6	No	
2996	79	Existing CP QAPD vs. RG 1.28 conformance	11/13/2009	TXNB-09065	17.5-7	No	
2996	79	CP QAPD implementation	11/13/2009	TXNB-09065	17.5-8	No	
2996	79	Commitments to RG 1.8, 1.28, & 1.33	11/13/2009	TXNB-09065	17.5-9	No	
3287	26	High winds and tornado risk analysis	9/22/2009	TXNB-09047	19-1	No	
3287	26	Chapter 2 events screening for Chapter 19	9/22/2009	TXNB-09047	19-2	No	

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RAI ID #	CP RAI #	RAI Topic/Subject	Date Submitted	RAI Response Letter #	RAI Question #	NA3 S-COLA Endorsement (Note 1) (Note 2)	Endorsement Clarification
3287	26	RMTS / PRA Model roadmap	9/22/2009	TXNB-09047	19-3	No	
3214	28	Site-specific PRA inputs and assumptions	9/22/2009	TXNB-09047	19-4	No	
3214	28	Clearly describe the changes in Ch 19 of the FSAR for DCD sections that are incorporated by reference	9/24/2009	TXNB-09048	19-5	Yes	Except for site-specific design features.
3214	28	Provide information regarding PRA modeling of site-specific design features of ESWS and UHS	9/24/2009	TXNB-09048	19-6	Yes	Except for site-specific design features.
3214	28	Provide additional information regarding screening of external events effects on the PRA	9/24/2009	TXNB-09048	19-7	No	
3729	93	Provide information to allow NRC evaluation of site-specific seismic margins analysis	11/11/2009	TXNB-09064	19-8	No	
3556	45	Supp Info to RAI 2.3.2-2	2/5/2010	TXNB-10006	Supp 02.03.02-2	No	
3557	46	Supp Info to RAI 2.3.3-2	2/5/2010	TXNB-10006	Supp 02.03.03-2	No	
3705	97	Environmental Qualification Document Retention	3/5/2010	TXNB-10018	Supp 03.11-12	Yes	
3705	97	Qualification Test Results Retention	3/5/2010	TXNB-10018	Supp 03.11-13	Yes	
3705	97	EQ Program Implementation Milestones	3/5/2010	TXNB-10018	Supp 03.11-14	Yes	
3705	97	Operational Programs - periodic tests, calibrations, and inspections	3/5/2010	TXNB-10018	Supp 03.11-15	Yes	
3705	97	Clarification about what is provided in Table 3D-201	3/5/2010	TXNB-10018	Supp 03.11-16	Yes	
3705	97	Define "equivalent qualification process"	3/5/2010	TXNB-10018	Supp 03.11-17	Yes	
3698	109	Use of ESWS to provide water to the fire protection system during SSE	2/22/2010	TXNB-10011	Supp 09.02.01-5	Yes	NA3 S-COLA FSAR Figure 9.5.2-203 depicts ESWS-FSS interface.
2328	10	RG 1.189, Regulatory Position 1.8.6	2/19/2010	TXNB-10007	Supp 09.05.01-7	No	
2328	10	Storage of unused ion exchange resins, hazardous chemicals, and/or combustible materials	2/19/2010	TXNB-10007	Supp 09.05.01-8	No	
3295	70	EAL and License Condition	3/5/2010	TXNB-10019	Supp 13.03-1	No	
1889	11	Meers source in FSAR figures 2.5.2-223 to 227	2/22/2010	TXNB-10011	Supp 2, 02.05.02-16	No	

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)	Endorsement Clarification
1889	11	Meers source in FSAR figures 2.5.2-223 to 227	12/14/2009	TXNB-09084	Supp1, 02.05.02-16	No	

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.