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December 16, 2010

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

Serial No. NA3-10-023
Docket No. 52-017
COL/MWH

DOMINION VIRGINIA POWER
NORTH ANNA UNIT 3
COMBINED LICENSE APPLICATION – RESULTS OF THE REVIEW OF ESBWR 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 (COLA) that incorporated the ESBWR DCD by reference. North Anna Unit 3 was designated 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 instead. 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 NRC requests for additional information (RAIs) on the North Anna Unit 3 ESBWR R-COLA and Dominion responses issued to date to determine whether the change in technology impacted the applicability of the RAIs or responses to the June 28 COLA revision.

This letter provides the results of the review of the ESBWR R-COLA RAIs, with the exception of those associated with Final Safety Analysis Report (FSAR) Chapter 8 and Section 13.6. The results of the review of FSAR Chapter 8 RAIs and responses were transmitted in a letter dated October 27, 2010 (Letter Serial Number NA3-10-018). Information regarding the continued applicability of the responses to FSAR Section 13.6 RAIs was transmitted in letters dated June 10, 2010 and June 28, 2010 (Letter Serial Numbers NA3-10-009R and NA3-10-006, respectively).

The enclosed table identifies the RAIs that were reviewed and classifies each into one of three categories: 1) RAI or RAI Response Not Applicable, 2) RAI Response Valid for the S-COLA, or 3) RAI Response Requires Revision.

Responses to RAIs 02.03.02-2, 02.04.02-1, and ER Section 3.4-1 were identified as requiring revision. Dominion will provide revised responses to these RAIs by separate transmittal no later than sixty days from the date of this letter.

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HRO

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

Very truly yours,



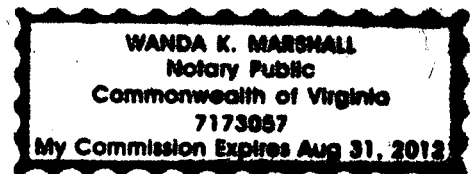
Eugene S. Grecheck

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 16th day of December, 2010
My registration number is 7173057 and my
Commission expires: August 31, 2012


Notary Public

Enclosure: ESBWR R-COLA RAI Review Results

Commitments made by this letter:

Provide revised responses to RAIs 02.03.02-2, 02.04.02-1, and ER Section 3.4-1 no later than sixty days from the date of this letter.

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

ESBWR R-COLA RAI Review Results

Evaluation of the Applicability of ESBWR R-COLA RAI Responses to US-APWR North Anna 3 S-COLA								
RAI #	NRC RAI Ltr #	RAI Topic	NA3 RAI Response Ltr #	Date Response Submitted	RAI or RAI Response Not Applicable	RAI Response Valid for S-COLA (Note 1)	RAI Response Requires Revision (Note 1)	Comments
01-1	28	Construction Costs	NA3-08-106RA	10/8/2008	X	-	-	
01-2	28	Plant Ownership	NA3-08-106RA	10/8/2008	-	X	-	
01-3	34	DOE contract number	NA3-09-013R	6/17/2009	-	X	-	
01-4	38	Implementation of 10 CFR Part 30, 40 and 70	NA3-09-022RA	9/25/2009	-	X	-	FSAR Appendix 12BB has been deleted and relevant info is located in S-COLA FSAR Section 12.5.
02.01.02-1	17	Arrangements for control of WHTF area	NA3-08-086R	8/28/2008	-	X	-	
02.02.03-1	25	Underground Gasoline Storage Tank Hazard and Truck Traffic	NA3-08-118	10/20/2008	X	-	-	
02.02.03-2	25	Main Control Room Habitability Toxic Gas Analysis: Methods and Bases	NA3-08-120	12/29/2008	X	-	-	
02.02.03-3	25	Main Control Room Habitability Toxic Gas Analysis: Limiting Conditions	NA3-08-120	12/29/2008	X	-	-	
02.02.03-4	25	Toxicity analysis for sodium hydroxide	NA3-08-118	10/20/2008	-	X	-	See Note 2 of S-COLA FSAR Table 2.2-203 instead of Note 1 as stated in the RAI response.
02.02.03-5	33	Main Control Room Habitability Toxic Gas Analysis: Chemical Screening Method	NA3-09-016	5/27/2009	X	-	-	
02.02.03-6	33	Sodium Hydroxide 10 torr vapor pressure guidance	NA3-09-016	5/27/2009	-	X	-	
02.02.03-7	34	Main Control Room Habitability Toxic Gas Analysis: Nitrogen and Oxygen specifics	NA3-09-013R	6/17/2009	X	-	-	

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02.03.01-1	17	Basic Wind Speed used for Non-Standard, Non-Safety Related Structures	NA3-08-086R	8/28/2008	X	-	-	
02.03.01-2	17	Dry/ Wet Bulb Temperatures	NA3-08-086R	8/28/2008	-	X	-	See S-COLA FSAR Table 2.0-201.
02.03.01-3	17	Correction of Ambient Temperatures	NA3-08-086R	8/28/2008	X	-	-	
02.03.01-4	30	100-year coincident wet bulb temperature	NA3-08-122R	12/3/2008	-	X	-	The last sentence of the last paragraph in the response is not applicable for the US-APWR DCD. NAPS DEP 2.0(1) addresses this exceedance.
02.03.02-1	2	SACTI : Effects of Local Increases of Temperature and Humidity	NA3-08-042	4/25/2008	X	-	-	
02.03.02-2	17	SACTI: Salt Deposition Rates	NA3-08-086R	8/28/2008	-	-	X	The revised response will provide an overview of the modeling approach for the UHS cooling towers.
02.03.04-1	3	ARCON96 : List and Describe Inputs	NA3-08-044	5/12/2008	X	-	-	ARCON96 inputs are discussed in S-COLA FSAR Section 2.3.4.3.
02.03.05-1	17	X/Q and D/Q Differences between FSAR and ESP	NA3-08-116	10/17/2008	X	-	-	US-APWR specific information is in the FSAR and ER.
02.03.05-2	19	Apparent X/Q and D/Q inconsistencies between the FSAR and ER	NA3-08-116	10/17/2008	X	-	-	
02.03.05-3	19	Long-Term Diffusion Estimates	NA3-08-116	10/17/2008	X	-	-	
02.04.02-1	28	Locally-intense precipitation	NA3-08-106R	9/16/2008	-	-	X	
02.04.02-2	33	PMP and Impact on RTNSS	NA3-09-010R	4/3/2009	X	-	-	

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02.04.02-3	33	Hydraulic Jump / Ditch Discharges	NA3-09-010R	4/3/2009	X	-	-	
02.04.02-4	40	Surveillance and Monitoring Commitments for Channels & Overbanks	NA3-09-029R	9/25/2009	-	X	-	
02.04.02-5	40	Protection Against Flood	NA3-09-029R	9/25/2009	-	X	-	
02.04.02-6	40	Surveillance and Monitoring Requirements	NA3-09-029R	9/25/2009	-	X	-	
02.04.02-7	40	PMP Protective Measures	NA3-09-029R	9/25/2009	X	-	-	
02.04.12-1	24	MODFLOW Bases and OW-901 Questions	NA3-08-095R	9/19/2008	X	-	-	MOD-FLOW input and output files supporting S-COLA FSAR Section 2.4.12 were provided in a letter dated September 9, 2010.
02.04.12-2	34	Groundwater Level	NA3-09-013R	6/17/2009	X	-	-	MOD-FLOW input and output files supporting S-COLA FSAR Section 2.4.12 were provided in a letter dated September 9, 2010.
02.04.13-1	26	Use of Chelating Agent	NA3-08-104R	10/2/2008	X	-	-	
02.04.13-2	26	Kd Values	NA3-08-104R	10/2/2008	X	-	-	
02.04.13-3	26	Hydraulic Conductivity Value	NA3-08-104R	10/2/2008	X	-	-	
02.04.13-4	34	Hydraulic Conductivity and Kd Values	NA3-09-013RA	7/29/2009	X	-	-	
02.05.04-1	10	Zone IIA Soil Properties	NA3-08-059R	7/14/2008	-	X	-	
02.05.04-10	11	Zone IIA Soil Properties with respect to liquefaction	NA3-08-063R	8/4/2008	-	X	-	
02.05.04-11	11	Bearing Capacities	NA3-08-063R	8/4/2008	-	X	-	
02.05.04-12	34	Provide Concrete Fill Properties / Basis	NA3-09-013RB	8/20/2009	X	-	-	

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02.05.04-13	34	Static and dynamic properties of backfill	NA3-09-013R	6/17/2009	X	-	-	
02.05.04-14	34	SWV for soil	NA3-09-013R	6/17/2009	X	-	-	
02.05.04-15	34	Fill Properties / Bearing Capacity	NA3-09-013RB	8/20/2009	X	-	-	
02.05.04-16	34	Address local failure within the backfill layer	NA3-09-013R	6/17/2009	X	-	-	
02.05.04-17	34	Basemat sliding coefficient of friction	NA3-09-013R	6/17/2009	X	-	-	All Seismic Category I structures bear on Zone III, Zone III-IV, or concrete fill, not Zone IV or compacted structural fill. The coefficient of sliding for concrete fill is 0.7 as provided in S-COLA FSAR Table 2.5-212.
02.05.04-18	34	SSAR vs. FSAR estimated dynamic settlement	NA3-09-013R	6/17/2009	-	X	-	
02.05.04-19	34	Dynamic bearing capacity estimate	NA3-09-013R	6/17/2009	X	-	-	
02.05.04-2	10	Shear wave values	NA3-08-059R	7/14/2008	-	X	-	
02.05.04-20	42	Backfill ITAAC Under Category I Structures	NA3-09-033R	11/4/2009	X	-	-	
02.05.04-21	42	Concrete Fill Properties /Basis	NA3-09-033R	11/4/2009	-	X	-	Concrete fill properties are applicable. See S-COLA FSAR Table 2.5-212. Other ESBWR values replaced with US-APWR values that are provided in S-COLA.
02.05.04-3	10	Concrete Fill Properties /Basis	NA3-08-059R	7/14/2008	X	-	-	
02.05.04-4	10	ITAAC - backfill soil shear wave velocity and parameter values	NA3-08-059R	7/14/2008	X	-	-	
02.05.04-5	10	Clarify shear wave velocity	NA3-08-059R	7/14/2008	X	-	-	

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02.05.04-6	10	Clarify allowable dynamic bearing capacity	NA3-08-059R	7/14/2008	X	-	-	
02.05.04-7	10	Clarify and justify foundation stability analyses	NA3-08-059R	7/14/2008	X	-	-	
02.05.04-8	10	Coefficient of Friction and factor of safety against sliding	NA3-08-059R	7/14/2008	X	-	-	
02.05.04-9	10	Ostadan method for seismic lateral at-rest pressures	NA3-08-059R	7/14/2008	X	-	-	
02.05.05-1	10	Soil boring	NA3-08-059R	7/14/2008	-	X	-	
02.05.05-2	10	Use of Bishop's method - slope stability	NA3-08-059R	7/14/2008	-	X	-	
02.05.05-3	10	Seismic Soil Stability analysis assumptions	NA3-08-059R	7/14/2008	X	-	-	
03.02.01-1	23	Seismic II or NS Classification	NA3-08-094R	9/17/2008	X	-	-	
03.02.01-2	23	Reference for Site Specific RTNSS SSCs	NA3-08-094R	9/17/2008	X	-	-	
03.02.01-3	23	SSCs re RG 1.29 Rev. 4	NA3-08-094R	9/17/2008	X	-	-	
03.02.01-4	23	DCD vs. COL re Plant SSCs	NA3-08-094R	9/17/2008	X	-	-	
03.02.01-5	23	Clarification of SSCs	NA3-08-094R	9/17/2008	X	-	-	
03.02.01-6	23	Seismic Structure Concerns re RTNSS SSCs	NA3-08-094R	9/17/2008	X	-	-	
03.02.01-7	41	SSCs required after OBE	NA3-09-031R	12/9/2009	X	-	-	
03.02.02-1	23	SSCs re RG 1.26 Rev. 4	NA3-08-094R	9/17/2008	X	-	-	
03.02.02-2	23	Codes and Standards	NA3-08-094R	9/17/2008	X	-	-	
03.02.02-3	23	Supplemental Quality Standards related to Safety	NA3-08-094R	9/17/2008	X	-	-	

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03.05.01.05-1	25	Turbine Missiles	NA3-08-102R	9/26/2008	X	-	-	
03.07.01-1	14	Ground Motion Time Histories	NA3-08-067R	8/12/2008	-	X	-	
03.07.01-2	37	SSE and OBE for Seismic Instrumentation setup	NA3-09-021R	8/24/2009	X	-	-	
03.07.02-1	14	Non-Seismic Structures Causing failure of Seismic Category I structures	NA3-08-067RA	10/8/2008	X	-	-	
03.09.02-1	26	Structural and Functional Integrity of Piping Systems	NA3-08-104R	10/2/2008	X	-	-	
03.09.02-2	26	Implementation schedule for comprehensive flow induced vibration assessment program	NA3-08-104R	10/2/2008	X	-	-	
03.09.03-1	19	Snubber In-service Testing Program	NA3-08-088R	9/3/2008	X	-	-	
03.09.03-2	19	Plant-Specific Snubber Information	NA3-08-088R	9/3/2008	X	-	-	
03.09.06-1	22	Valve Operability Assurance	NA3-08-092R	9/11/2008	X	-	-	
03.09.06-2	22	ASME Code for Operation & Maintenance re IST Program	NA3-08-092R	9/11/2008	X	-	-	
03.09.06-3	22	AOV IST Program	NA3-08-092R	9/11/2008	X	-	-	
03.09.06-4	22	ASME Code / Snubbers	NA3-08-092R	9/11/2008	X	-	-	
03.09.06-5	22	Preservice Testing Program	NA3-08-092R	9/11/2008	-	X	-	
03.09.06-6	22	Adverse Flow Effects	NA3-08-092R	9/11/2008	X	-	-	
03.10-1	37	Seismic qualification of equipment	NA3-09-021RA	10/28/2009	X	-	-	

Evaluation of the Applicability of ESBWR R-COLA RAI Responses to US-APWR North Anna 3 S-COLA								
RAI #	NRC RAI Ltr #	RAI Topic	NA3 RAI Response Ltr #	Date Response Submitted	RAI or RAI Response Not Applicable	RAI Response Valid for S-COLA (Note 1)	RAI Response Requires Revision (Note 1)	Comments
03.11-1	22	Environmental qualification of mechanical and electrical equipment	NA3-08-092R	9/11/2008	X	-	-	
03.11-2	22	EQ Approach in ESBWR DCD	NA3-08-092R	9/11/2008	X	-	-	
03.11-3	22	Additional Equipment in ESBWR DCD	NA3-08-092R	9/11/2008	X	-	-	
03.11-4	22	GE EQ Program	NA3-08-092R	9/11/2008	X	-	-	
03.11-5	22	Testing and analysis of the operability of mechanical and electrical equipment	NA3-08-092R	9/11/2008	X	-	-	
03.11-6	22	EQ Program	NA3-08-092R	9/11/2008	-	X	-	
03.11-7	22	ITAAC for Safety-Related Mechanical Equipment	NA3-08-092R	9/11/2008	X	-	-	
03.11-8	44	EQ Program	NA3-09-040R	2/4/2010	X	-	-	
05.02.01.01-1	21	ASME Code	NA3-08-091R	9/11/2008	X	-	-	
05.02.01.02-1	21	Code Cases Not in ESBWR DCD	NA3-08-091R	9/11/2008	X	-	-	
05.02.01.02-2	21	Annulled Code Cases	NA3-08-091R	9/11/2008	X	-	-	
05.02.04-1	14	PSI of Class 1 Welds	NA3-08-067R	8/12/2008	X	-	-	
05.02.04-2	14	PSI Compliance w/NB-5280	NA3-08-067R	8/12/2008	X	-	-	
05.02.04-3	14	ISI Exams Equivalent to PSI Exams	NA3-08-067R	8/12/2008	X	-	-	
05.02.04-4	14	Incorporating limits of 50.55a(b)(2) on ISI / PSI	NA3-08-067R	8/12/2008	X	-	-	
05.02.04-5	14	Limited Use of IWA-2240	NA3-08-067R	8/12/2008	X	-	-	
05.02.04-6	14	ISI/PSI for Supports	NA3-08-067R	8/12/2008	X	-	-	
05.02.04-7	14	Qualification of UT Procedures	NA3-08-067R	8/12/2008	X	-	-	

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05.02.05-1	12	Leak Detection Monitoring	NA3-08-064R	8/7/2008	X	-	-	
05.03 BTP-1	26	Fracture Toughness Requirements	NA3-08-104R	10/2/2008	X	-	-	
05.03.01-1	19	Reactor Vessel Surveillance Capsule Program	NA3-08-088R	9/3/2008	X	-	-	
05.03.02-1	37	PTLR	NA3-09-021R	8/24/2009	X	-	-	
05.03.02-2	41	PTLR	NA3-09-031R	12/9/2009	X	-	-	
05.03.02-3	41	PTLR	NA3-09-031R	12/9/2009	X	-	-	
05.03.02-4	41	PTLR	NA3-09-031R	12/9/2009	X	-	-	
05.03.02-5	41	PTLR	NA3-09-031R	12/9/2009	X	-	-	
05.03.02-6	41	PTLR	NA3-09-031R	12/9/2009	X	-	-	
05.03.02-7	41	PTLR	NA3-09-031R	12/9/2009	X	-	-	
05.03.02-8	41	PTLR	NA3-09-031R	12/9/2009	X	-	-	
06.02.01-1	6	ECCS Strainer Debris	NA3-08-053RA	12/18/2008	X	-	-	
06.02.04-1	6	Pipe Length Acceptance Criteria	NA3-08-053R	7/14/2008	X	-	-	
06.02.04-2	30	Location of Containment Isolation Valves	NA3-08-122R	12/3/2008	X	-	-	
09.01.04-1	13	Fuel Handling Qualifications	NA3-08-066R	8/4/2008	X	-	-	
09.01.04-2	13	Fuel Handling Program Safety Features	NA3-08-066R	8/4/2008	X	-	-	
09.01.05-1	13	Additional Information for lifts and heavy loads	NA3-08-066R	8/4/2008	X	-	-	
09.01.05-2	13	Heavy Load Handling Equipment Outside Design	NA3-08-066R	8/4/2008	X	-	-	
09.02.01-1	17	Cooling Tower Performance	NA3-08-086R	8/28/2008	X	-	-	

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09.02.01-10	36	PSWS Chemical Addition and Maintenance Rule Program	NA3-09-017Ra	8/3/2009	X	-	-	
09.02.01-11	36	Clarify CDI.	NA3-09-017R	7/8/2009	X	-	-	
09.02.01-12	36	AHS/PSWS water hammer	NA3-09-017Ra	8/3/2009	X	-	-	
09.02.01-13	36	Quality assurance provisions for FRP in PSWS	NA3-09-017Ra (Partial)	8/3/2009	X	-	-	
09.02.01-2	17	FRPP	NA3-08-086R	8/28/2008	X	-	-	
09.02.01-3	17	Material Selection for PSWS	NA3-08-086R	8/28/2008	X	-	-	
09.02.01-4	17	PSWS Vulnerabilities	NA3-08-086R	8/28/2008	X	-	-	
09.02.01-5	17	Plant Specific Information vs. Standard Design	NA3-08-086R	8/28/2008	X	-	-	
09.02.01-6	17	Cooling Tower Performance	NA3-08-086R	8/28/2008	X	-	-	
09.02.01-7	17	Design Capabilities of PSWS	NA3-08-086R	8/28/2008	X	-	-	
09.02.01-8	36	PSWS Heat Removal ITAAC acceptance criteria	NA3-09-017R	7/8/2009	X	-	-	
09.02.01-9	36	PSWS Pipe Material and Chemical compatibility	NA3-09-017R	7/8/2009	X	-	-	
09.02.05-1	11	UHS Procedure Clarification	NA3-08-063R	8/4/2008	X	-	-	
09.03.02-1	7	Sampling containment atmosphere	NA3-08-055R	7/23/2008	X	-	-	
09.05.01-1	8	Self-approving changes to Fire Protection Program	NA3-08-054R	7/23/2008	X	-	-	

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09.05.01-10	8	Fire response communication capabilities	NA3-08-054R	7/23/2008	X	-	-	
09.05.01-11	8	QA FP program for non-safety related areas	NA3-08-054R	7/23/2008	X	-	-	
09.05.01-12	8	Fire brigade leader qualifications	NA3-08-054R	7/23/2008	-	X	-	
09.05.01-13	8	Control of combustible materials	NA3-08-054R	7/23/2008	X	-	-	
09.05.01-14	8	Storage of unused ion exchange resins	NA3-08-054R	7/23/2008	X	-	-	
09.05.01-15	8	Fire Barrier and Fire Barrier Penetration Seal Systems Qualification Test Methodology and Reports	NA3-08-054R	7/23/2008	X	-	-	
09.05.01-16	20	Smoke, Hot Gases and Fire Suppressant Migration	NA3-08-090R	9/4/2008	X	-	-	
09.05.01-17	20	Fire Water Systems	NA3-08-090R	9/4/2008	X	-	-	
09.05.01-18	20	Manual Fire Protection Activities	NA3-08-090R	9/4/2008	X	-	-	
09.05.01-2	8	Assessing multiple spurious actuations	NA3-08-054R	7/23/2008	X	-	-	
09.05.01-3	8	Clarify applicability of NFPA 804	NA3-08-054R	7/23/2008	-	X	-	S-COLA FSAR incorporates US-APWR DCD Table 1.9.1-1 by reference, and compliance with RG 1.189 is provided in FSAR Table 9.5.1-1R.
09.05.01-4	8	Hose station coverage for containment	NA3-08-054R	7/23/2008	X	-	-	
09.05.01-5	8	Combustibles in rooms adjacent to control room	NA3-08-054R	7/23/2008	X	-	-	
09.05.01-6	8	Transient combustibles in control room	NA3-08-054R	7/23/2008	X	-	-	
09.05.01-7	8	Control of combustibles in computer rooms	NA3-08-054R	7/23/2008	X	-	-	

Evaluation of the Applicability of ESBWR R-COLA RAI Responses to US-APWR North Anna 3 S-COLA								
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09.05.01-8	8	Maintaining quality of fire water sources	NA3-08-054R	7/23/2008	X	-	-	Fire water storage tanks are not included in US-APWR design. Lake Anna is the source for firewater. Information can be found in S-COLA FSAR Section 9.5.1.2.2.
09.05.01-9	8	Missing reference to NFPA 55	NA3-08-054R	7/23/2008	X	-	-	
09.05.04-1	13	Procedures to ensure diesel fuel inventory	NA3-08-066R	8/4/2008	X	-	-	
09.05.04-2	13	Loading of Diesel Generator	NA3-08-066R	8/4/2008	X	-	-	
09.05.04-3	16	Fuel Quantity Monitoring	NA3-08-085R	8/21/2008	X	-	-	
09.05.04-4	16	Corrosion Control	NA3-08-085R	8/21/2008	X	-	-	
09.05.04-5	16	Fuel Oil Testing and Inspection	NA3-08-085R	8/21/2008	X	-	-	
09.05.04-6	30	Corrosion protection of buried piping	NA3-08-122R	12/3/2008	X	-	-	
09.05.04-7	36	Standby and ancillary DGs	NA3-09-017Ra	8/3/2009	X	-	-	
09.05.04-8	36	Corrosion protection for buried diesel fuel oil transfer piping	NA3-09-017Ra	8/3/2009	X	-	-	
10.03.06-1	6	FAC - Construction Phase	NA3-08-053R	7/14/2008	X	-	-	
10.03.06-2	6	FAC - Baseline Thickness	NA3-08-053R	7/14/2008	-	X	-	S-COLA content is consistent with US-APWR R-COLA content on FAC. A description of the FAC program is located in FSAR Section 10.3.
10.04.05-1	12	CIRC Large Bore Piping Codes, Failure	NA3-08-064R	8/7/2008	X	-	-	
10.04.05-2	12	Flooding Due to Hybrid Cooling Tower Failure	NA3-08-064R	8/7/2008	-	X	-	
11.02-1	4	Liquid Waste - CBA	NA3-08-051	6/30/2008	X	-	-	

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11.02-2	7	Sampling of non-radioactive systems	NA3-08-055R	7/23/2008	X	-	-	
11.03-0	7	Gaseous Waste - CBA	NA3-08-055R	7/23/2008	X	-	-	
11.03-1	7	Bypassing Offsite Gas	NA3-08-055R	7/23/2008	X	-	-	
11.03-2	30	CBA cost parameters	NA3-08-122R	12/3/2008	X	-	-	
11.04-1A	4	Solid Waste - CBA	NA3-08-051	6/30/2008	X	-	-	
11.04-1B	4	NEI Template 07-10	NA3-08-051	6/30/2008	-	X	-	S-COLA FSAR Table 1.9-202 and FSAR Section 11.4.3.2 updated
11.04-2	7	Sampling of non-radioactive systems	NA3-08-055R	7/23/2008	X	-	-	
11.04-3	20	Low-level radioactive waste storage	NA3-08-090R	9/4/2008	-	X	-	
11.04-4	32	Remove reference to mobile/portable SWMS	NA3-09-007R	3/18/2009	X	-	-	
11.05-1	4	NEI Template 07-09	NA3-08-051	6/30/2008	-	X	-	S-COLA FSAR Tables 1.8-201 and 1.9-202 and FSAR Sections 11.5.2.9 and 11.5.2.10 updated
11.05-2	4	Process & Effluent Monitoring	NA3-08-051	6/30/2008	X	-	-	
11.05-3	7	FSAR vs. ER: ODCM and NEI 07-09	NA3-08-055R	7/23/2008	X	-	-	
11.05-4	26	Process and Effluent Radiological Monitoring Instrumentation and Sampling Systems	NA3-08-104R	10/2/2008	X	-	-	
11.05-5	32	Liquid and gaseous sample description	NA3-09-007R	3/18/2009	X	-	-	
12.01-1	27	NEI Template 07-03	NA3-08-105R	10/3/2008	-	X	-	Addressed in S-COLA FSAR Sections 12.1.3 and 12.5 and in FSAR Table 1.6-201.
12.01-2	27	Maintaining Exposures ALARA during operation of the IFTT system.	NA3-08-105R	10/3/2008	X	-	-	

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12.01-3	27	NEI Template 07-08	NA3-08-105R	10/3/2008	-	X	-	Addressed in S-COLA FSAR Sections 12.1 and 12.5.
12.02-1	1	Dose Analysis	NA3-08-043	4/28/2008	X	-	-	
12.02-10	25	a) FSAR Table 12.2-17R: Update w/ data on radionuclide ratios	NA3-08-116	10/17/2008	X	-	-	
12.02-11	30	a. Specify location of Appendix 12B in FSAR.	NA3-08-122R	12/3/2008	X	-	-	
12.02-12	30	a. New footnote for the annual total body dose entry of 1.9 mrem in Table 12.2-203 for Unit 3	NA3-08-122R	12/3/2008	X	-	-	
12.02-13	33	Variance NAPS ESP VAR 12.2-4	NA3-09-010R	4/3/2009	-	X	-	NAPS ESP VAR 12.2-4 is designated NAPS ESP VAR 11.3-2 in the S-COLA.
12.02-2	11	Dose Analysis and EPA Standards	NA3-08-063R	8/4/2008	X	-	-	
12.02-3	16	Liquid Doses Offsite as Compared with the Environmental Reports	NA3-08-085R	8/21/2008	X	-	-	
12.02-4	24	Modify Table 1.10-201 & Section 12.2 to address COL information item 12.2-4-A	NA3-08-095R	9/19/2008	X	-	-	
12.02-5	24	Other contained sources	NA3-08-095R	9/19/2008	X	-	-	
12.02-6	24	Other contained sources	NA3-08-095R	9/19/2008	-	X	-	
12.02-7	24	Shielding Requirements of Radiation Sources	NA3-08-095R	9/19/2008	X	-	-	
12.02-8	24	RP procedures	NA3-08-095R	9/19/2008	-	X	-	
12.02-9	24	Cf-252 Source Placement and Duration of Residence	NA3-08-095R	9/19/2008	X	-	-	
12.03-12.04-1	24	Placement & Number of Portable Airborne Monitors	NA3-08-095R	9/19/2008	-	X	-	Addressed in S-COLA FSAR Table 1.6-201 and Sections 12.1 and 12.5

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12.03-12.04-10	31	Zinc Injection System	NA3-09-005R	2/10/2009	X	-	-	
12.03-12.04-11	31	Very High Radiation Areas	NA3-09-005R	2/10/2009	X	-	-	
12.03-12.04-12	37	Construction worker dose	NA3-09-021R	8/24/2009	-	X	-	
12.03-12.04-13	44	Minimization of contamination	NA3-09-040R	2/4/2010	-	X	-	
12.03-12.04-2	24	Very High Radiation Areas-Unauthorized Access	NA3-08-095R	9/19/2008	X	-	-	
12.03-12.04-3	24	Zinc Injection System	NA3-08-095R	9/19/2008	X	-	-	
12.03-12.04-4	24	Format of FSAR Ch. 12 vs. DCD Ch. 12	NA3-08-095R	9/19/2008	X	-	-	
12.03-12.04-5	27	Construction worker dose	NA3-08-105R	10/3/2008	-	X	-	
12.03-12.04-6	27	Construction worker dose	NA3-08-105R	10/3/2008	-	X	-	
12.03-12.04-7	27	Construction worker dose	NA3-08-105R	10/3/2008	-	X	-	
12.03-12.04-8	27	Describe the operational programs using RG 4.21	NA3-08-105R	10/3/2008	-	X	-	Addressed in S-COLA FSAR Section 12.5. Commitment concerning future revisions of ESBWR DCD is not applicable. FSAR 12.5 adopts NEI 08-08.
12.03-12.04-9	30	Editorial corrections	NA3-08-122R	12/3/2008	X	-	-	
12.05-1	24	RP equipment, procedures and training	NA3-08-095R	9/19/2008	-	X	-	Commitment to NEI 07-03 addressed in S-COLA FSAR 12.5
12.05-2	24	NEI 07-03 site specific alterations	NA3-08-095R	9/19/2008	-	X	-	Addressed in S-COLA FSAR 12.5
12.05-3	24	Provide Details for RPP Milestones & Elements	NA3-08-095R	9/19/2008	-	X	-	S-COLA FSAR 12.5 IBRs NEI 07-03

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13.01.01-1	21	Contracted Design Work	NA3-08-091R	9/11/2008	-	X	-	Addressed in S-COLA FSAR Section 13.1.1.1.2.1, Facility Engineering and Technical Support. Personnel title changed per revision to QAPD.
13.01.01-2	21	Key executive and corporate management positions, functions and responsibilities	NA3-08-091R	9/11/2008	-	X	-	Personnel titles changed to agree with QAPD revisions. See also S-COLA FSAR Section 13.1.1.2 and Figure 13AA-201.
13.01.01-3	21	Location of high-level illustration of nuclear organization	NA3-08-091R	9/11/2008	-	X	-	Personnel titles changed to agree with QAPD revisions.
13.01.01-4	21	Development of the plant maintenance programs.	NA3-08-091R	9/11/2008	-	X	-	
13.01.01-5	21	NSSS and AE organizations	NA3-08-091R	9/11/2008	-	X	-	Personnel titles changed to agree with QAPD revisions. Interface shown in S-COLA in FSAR Figure 13AA-201.
13.01.01-6	21	Organizational Arrangement	NA3-08-091R	9/11/2008	-	X	-	Personnel titles changed to agree with QAPD revisions.
13.01.02-13.01.03-6	32	Responsibilities for Radiation Protection Technicians	NA3-09-007R	3/18/2009	-	X	-	
13.01.02-13.01.03-1	11	Responsibilities of the fire protection organization	NA3-08-091R	9/11/2008	-	X	-	Personnel titles changed to agree with QAPD revisions. FP Program responsibility changed from Construction Executive to VP North Anna 3. RG 1.189 Conformance in S-COLA FSAR Table 9.5.1-1(R)
13.01.02-13.01.03-2	21	QA Program Requirements	NA3-08-091R	9/11/2008	-	X	-	Location of QAPD has changed to S-COLA FSAR Appendix 17AA from 17BB

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13.01.02-13.01.03-3	21	RG 1.33 conformance; Plant Organization descriptions	NA3-08-091R	9/11/2008	-	X	-	Key Executive and Corporate Management information in S-COLA FSAR Section 13.1.1.2. Personnel titles changed per revision to QAPD.
13.01.02-13.01.03-4	21	Regulatory Guide 1.33	NA3-08-091R	9/11/2008	-	X	-	Location of QAPD has changed to S-COLA FSAR Appendix 17AA from 17BB
13.01.02-13.01.03-5	32	Manager RP responsibilities	NA3-09-007R	3/18/2009	-	X	-	Personnel title changed to "Functional Manager Radiation Protection and Chemistry"
13.02.01-1	21	NEI-06-13-A Revision 1 in FSAR	NA3-08-091R	9/11/2008	X	-	-	
13.02.02-1	21	Periodic fire drills and indoctrination of construction personnel	NA3-08-091R	9/11/2008	-	X	-	Personnel titles changed to agree with QAPD revisions. FP Program responsibility changed from Construction Executive to VP North Anna 3.
13.03-2.1	18	Meaning of IBR for historical purposes	NA3-08-087R	10/6/2008	-	X	-	
13.03-2.10	18	EP Org Charts	NA3-08-087R	10/6/2008	-	X	-	
13.03-2.11	18	Relationship of Unit 3 EP Plan to NAPS Plan	NA3-08-087R	10/6/2008	-	X	-	
13.03-2.12	18	EOF	NA3-08-087R	10/6/2008	X	-	-	
13.03-2.13 (Revised)	18	TSC evacuation and role of Main Control Room	NA3-08-087RA	11/24/2008	X	-	-	
13.03-2.14	18	Testing of EP Objectives	NA3-08-087R	10/6/2008	-	X	-	
13.03-2.15	18	NEI 07-01 revision	NA3-08-087R	10/6/2008	X	-	-	
13.03-2.16	18	Security Event Notification	NA3-08-087R	10/6/2008	-	X	-	S-COLA Part 8 provides reference to the Dominion letter dated June 28, 2010 (Serial No. NA3-10-006) which transmitted the COLA Security Plan.
13.03-2.2	18	IBR of SSAR in EP	NA3-08-087R	10/6/2008	-	X	-	

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13.03-2.3	18	Emergency planning support from vendors during emergency	NA3-08-087R	10/6/2008	-	X	-	GEH is no longer the reactor plant supplier. S-COLA Part 5, Section II.B.8, indicates MHI as the reactor vendor.
13.03-2.4	18	Letters of Agreement	NA3-08-087R	10/6/2008	-	X	-	
13.03-2.5	18	Unit 3 EP Plan as "Stand Alone"	NA3-08-087R	10/6/2008	-	X	-	
13.03-2.6	18	Security Event Initiatives	NA3-08-087R	10/6/2008	-	X	-	
13.03-2.7	18	FRMAC & NRC Team site response time	NA3-08-087R	10/6/2008	-	X	-	
13.03-2.8	18	PR Spokesperson, Title	NA3-08-087R	10/6/2008	-	X	-	
13.03-2.9	18	Staffing Times	NA3-08-087R	10/6/2008	-	X	-	
13.03-3 (Revised)	31	EAL Development	NA3-09-005RA	9/25/2009	X	-	-	
13.03-4	36	SPDS	NA3-09-017Ra	8/3/2009	X	-	-	
13.03-5	36	EOF	NA3-09-017RB	11/17/2009	-	X	-	
13.03-6	36	EP-ITAAC Acceptance Criteria (Exercise)	NA3-09-017Ra	8/3/2009	-	X	-	
13.03-7	36	EP-ITAAC Acceptance Criteria (Exercise)	NA3-09-017Ra	8/3/2009	-	X	-	
13.03-8	36	OSC	NA3-09-017Ra	8/3/2009	X	-	-	
13.05.02.01-1	7	Management of radioactive wastes	NA3-08-055R	7/23/2008	-	X	-	S-COLA FSAR 11.4 adopts NEI 07-10
13.05.02.01-2	21	Operating organization procedures	NA3-08-091R	9/11/2008	-	X	-	Personnel titles changed to agree with QAPD revisions.
13.05.02.01-3	21	P-STGs	NA3-08-091R	9/11/2008	-	X	-	See S-COLA FSAR Section 13.5.2.1.1.4
13.05.02.01-4	21	P-SWG	NA3-08-091R	9/11/2008	-	X	-	See S-COLA FSAR Section 13.5.2.1.1.4
14.02-1	6	Initial Plant Test - Switchyard Components	NA3-08-053R	7/14/2008	X	-	-	
14.02-10	31	Excluding radiation survey instruments from ITP	NA3-09-005R	2/10/2009	-	X	-	

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14.02-2	12	Additional Site-Specific SSCs or Design Features	NA3-08-064R	8/7/2008	-	X	-	
14.02-3	12	Startup Manual Program Description	NA3-08-064R	8/7/2008	X	-	-	
14.02-4	12	Resolution of design problems related to ITP	NA3-08-064R	8/7/2008	-	X	-	
14.02-5	17	Personnel Monitors and Radiation Survey Instruments	NA3-08-086R	8/28/2008	X	-	-	
14.02-6	17	Site-Specific Preoperational Test for laboratory equipment.	NA3-08-086R	8/28/2008	X	-	-	
14.02-7	21	Changes to test procedures.	NA3-08-091R	9/11/2008	X	-	-	
14.02-8	24	Radiation monitors	NA3-08-095R	9/19/2008	X	-	-	
14.02-9	31	Excluding radiation survey instruments from ITP	NA3-09-005R	2/10/2009	-	X	-	Refer to S-COLA FSAR Section 12.5
14.03.03-1	24	PSWS Design Commitment & Acceptance Criteria ITAAC	NA3-08-095R	9/19/2008	X	-	-	
14.03.06-1	32	Offsite power interface requirements ITAAC	NA3-09-007R	3/18/2009	X	-	-	
14.03.07-1	33	Mobile LWMS	NA3-09-010R	4/3/2009	X	-	-	
14.03.07-2	33	Mobile SWMS	NA3-09-010R	4/3/2009	X	-	-	
14.03.10-1.1	18	EPIP submittal schedule	NA3-08-087RB	2/4/2010	-	X	-	
14.03.10-1.2	18	Meteorological conditions	NA3-08-087R	10/6/2008	X	-	-	
14.03.10-1.3	18	ITAAC wording for acceptance criteria	NA3-08-087R	10/6/2008	X	-	-	
14.03.10-1.4	18	Emergency Planning ITAAC	NA3-08-087R	10/6/2008	X	-	-	

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14.03.10-1.5	18	Emergency Planning ITAAC	NA3-08-087R	10/6/2008	X	-	-	
14.03.10-2	19	TSC ITAAC for EP	NA3-08-088R	9/3/2008	-	X	-	
15.06.05-1	25	Radiological Consequence Doses-Evaluation Factors	NA3-08-116	10/17/2008	X	-	-	
16-1	29	Technical Specifications	NA3-08-121R	12/1/2008	X	-	-	
17.04-1	5	Reliability Assurance Program (RAP)	NA3-08-052R	7/14/2008	-	X	-	Refer to S-COLA FSAR 17.4.5 and Appendix 17AA
17.06-1	5	Maintenance Rule	NA3-08-052R	7/14/2008	-	X	-	SUP 17.6-2 no longer exists; COLA FSAR 17.6.2 retains essential elements of response
17.5-1	13	QAPD versus SRP 17.5 Acceptance Criteria	NA3-08-066R	8/4/2008	-	X	-	Selection of Independent Review Option has subsequently changed from Option 1 (Independent Review Body) to Option 2 (Independent Review Committee); additionally QAPD is located in S-COLA FSAR Appendix 17AA.
17.5-2	13	Design & Procurement Activities versus QAPD	NA3-08-066R	8/4/2008	X	-	-	
17.5-3	13	Siting Activities versus QAPD	NA3-08-066R	8/4/2008	-	X	-	QAPD is located in S-COLA FSAR Appendix 17AA
17.5-4	13	Onsite & Corporate QA Organization	NA3-08-066R NA3-08-091R	8/4/2008 9/11/2008	-	X	-	QAPD is located in S-COLA FSAR Appendix 17AA. Additionally, organizational details have changed in the figures.
17.5-5	13	Incorrect regulatory citation in QAPD	NA3-08-066R	8/4/2008	X	-	-	
17.5-6	13	RG 1.37 Commitment	NA3-08-066R	8/4/2008	-	X	-	Minor differences in QAPD text regarding clarification of NQA-1.
17.5-7	13	Change process for FSAR Chap 13	NA3-08-066R	8/4/2008	-	X	-	

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19-1	5	PRA - flood analysis considerations from yard and SW Bldg flooding.	NA3-08-052R	7/14/2008	X	-	-	
19-2	5	PRA - Site-Specific Information	NA3-08-052R	7/14/2008	X	-	-	
ER Section 10.4-1	-	Cost-Benefit analysis of Proposed Unit 3	NA3-08-079R	7/17/2008	-	X	-	
ER Section 2.4-1	-	Accounting of habitat types within the construction footprint	NA3-08-079R	7/17/2008	-	X	-	
ER Section 2.4-2	-	Values of acres of non-tidal wetlands and feet of stream bed	NA3-08-079R	7/17/2008	-	X	-	Refer to S-COLA ER Figure 1.1-1.
ER Section 2.4-3	-	Habitat types along Ladysmith transmission corridor	NA3-08-079R	7/17/2008	-	X	-	
ER Section 3.4-1	-	Unit 3 intake design	NA3-08-079R	7/17/2008	-	-	X	
ER Section 4.1-1	-	USGS 7.5 minute map	NA3-08-079R	7/17/2008	X	-	-	
ER Section 9.2-1	-	Coal fired plant facts normalized to 1500 MWe	NA3-08-079R	7/17/2008	-	X	-	
ER Section 9.2-2	-	Annual emissions of PM10 and PM2.5	NA3-08-079R	7/17/2008	-	X	-	
ETE-1	15	GIS and Census Data	NA3-08-080R	10/2/2008	-	X	-	
ETE-10	15	Snow as Adverse Weather Condition	NA3-08-080R	10/2/2008	-	X	-	
ETE-11	15	Algorithm for Intersections and Derivation of Values	NA3-08-080R	10/2/2008	-	X	-	
ETE-12	15	Table F-1 Population Numbers	NA3-08-080R	10/2/2008	-	X	-	
ETE-13	15	Special Aid Evacuation	NA3-08-080R	10/2/2008	-	X	-	

Evaluation of the Applicability of ESBWR R-COLA RAI Responses to US-APWR North Anna 3 S-COLA								
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ETE-14	15	Transit Dependent Individuals	NA3-08-080R	10/2/2008	-	X	-	
ETE-15	15	Equation in Section 8.1	NA3-08-080R	10/2/2008	-	X	-	
ETE-16	15	Bus Travel Time Assumptions	NA3-08-080R	10/2/2008	-	X	-	
ETE-17	15	Transients Using Marinas and Boat Launch Facilities	NA3-08-080R	10/2/2008	-	X	-	
ETE-18	15	Peak Transient Population for Park	NA3-08-080R	10/2/2008	-	X	-	
ETE-19	15	Transient Population Evacuation	NA3-08-080R	10/2/2008	-	X	-	
ETE-2	15	Specific Communities	NA3-08-080R	10/2/2008	-	X	-	
ETE-20	15	Mobilization for Transients	NA3-08-080R	10/2/2008	-	X	-	
ETE-21	15	NAPS Employment	NA3-08-080R	10/2/2008	-	X	-	
ETE-22	15	Total Employee Population within EPZ	NA3-08-080R	10/2/2008	-	X	-	
ETE-23	15	Transit Service	NA3-08-080R	10/2/2008	-	X	-	
ETE-24	15	Dwell Time for Bus Stops	NA3-08-080R	10/2/2008	-	X	-	
ETE-25	15	Bus Usage During Summer Time	NA3-08-080R	10/2/2008	-	X	-	
ETE-26	15	Shadow Population Size	NA3-08-080R	10/2/2008	-	X	-	
ETE-27	15	Evacuation Time	NA3-08-080R	10/2/2008	-	X	-	
ETE-28	15	Link-Node Analysis	NA3-08-080R	10/2/2008	-	X	-	
ETE-29	15	Number of Buses per Route	NA3-08-080R	10/2/2008	-	X	-	
ETE-3	15	Topographical Map with Elevations	NA3-08-080R	10/2/2008	-	X	-	
ETE-30	15	Manpower and Equipment Shortages	NA3-08-080R	10/2/2008	-	X	-	
ETE-31	15	Reviewing of TCP/ACP by Government Agencies	NA3-08-080R	10/2/2008	-	X	-	

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ETE-32	15	Congestion Points	NA3-08-080R	10/2/2008	-	X	-	
ETE-33	15	Highway/ Roadway Networks	NA3-08-080R	10/2/2008	-	X	-	
ETE-34	15	Separate Evacuation Times	NA3-08-080R	10/2/2008	-	X	-	
ETE-35	15	Note in Distribution No.2 and 3	NA3-08-080R	10/2/2008	-	X	-	
ETE-36	15	Cumulative Percent Employees Leaving Work	NA3-08-080R	10/2/2008	-	X	-	
ETE-37	15	Percent Scale on "y" Axis Regarding Appendix F Fig.F-5	NA3-08-080R	10/2/2008	-	X	-	
ETE-38	15	Voluntary Evacuees	NA3-08-080R	10/2/2008	-	X	-	
ETE-39	15	Delay Times Sect.7.2	NA3-08-080R	10/2/2008	-	X	-	
ETE-4	15	Evacuation Routes, Monitoring Points, and Shelter Locations	NA3-08-080R	10/2/2008	-	X	-	
ETE-40	15	Inbound Bus Speeds	NA3-08-080R	10/2/2008	-	X	-	
ETE-41	15	Number of Available Buses for Simultaneous School Evacuation	NA3-08-080R	10/2/2008	-	X	-	
ETE-42	15	Permanent Residents vs. Transient Population	NA3-08-080R	10/2/2008	-	X	-	
ETE-43	15	Confirmation Time	NA3-08-080R	10/2/2008	-	X	-	
ETE-44	15	Approach for Evacuation Time Improvement	NA3-08-080R	10/2/2008	-	X	-	
ETE-45	15	ETE Plan Reviewed by State/Local Personnel	NA3-08-080R	10/2/2008	-	X	-	
ETE-5	15	PAZ 1 vs. PAZ 2	NA3-08-080R	10/2/2008	-	X	-	
ETE-6	15	School Evacuation	NA3-08-080R	10/2/2008	-	X	-	
ETE-7	15	Traffic Control Point Number Calculations	NA3-08-080R	10/2/2008	-	X	-	

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ETE-8	15	100% vs. 35% Population for Calculation of ETEs	NA3-08-080R	10/2/2008	-	X	-	
ETE-9	15	Peak Tourist Populations of Special Event Scenarios	NA3-08-080R	10/2/2008	-	X	-	

Note 1: References within the RAI and/or RAI response to COLA Section numbers and DCD Section numbers may be different for the S-COLA.