



Serial: NPD-NRC-2011-036  
April 19, 2011

U.S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, D.C. 20555-0001

**SHEARON HARRIS NUCLEAR POWER PLANT, UNITS 2 AND 3  
DOCKET NOS. 52-022 AND 52-023  
LEVY NUCLEAR POWER PLANT, UNITS 1 AND 2  
DOCKET NOS. 52-029 AND 52-030  
SUMMARY IDENTIFICATION OF CONCURRENCE WITH STANDARD CONTENT IN  
RESPONSE TO REQUESTS FOR ADDITIONAL INFORMATION – SUPPLEMENT 4**

- References:
1. Letter from B. L. Ivey (SNC) to NRC, dated March 31, 2011, "Southern Nuclear Operating Company Vogtle Electric Generating Plant Units 3 and 4 Combined License Application – Summary Identification of Reference Combined License Application Standard Content Submittals", ND-11-0522
  2. Letter from John Elnitsky (PGN) to NRC, dated September 23, 2010, "Shearon Harris Nuclear Power Plant, Units 2 and 3 and Levy Nuclear Power Plant, Units 1 and 2 – Summary Identification of Concurrence with Standard Content in Response to Requests for Additional Information – Supplement 3", Serial: NPD-NRC-2010-071

Ladies and Gentlemen:

In the referenced letter dated March 31, 2011 (Reference 1), Southern Nuclear Operating Company (SNC) identified the responses to the Nuclear Regulatory Commission's (NRC) requests for additional information (RAIs) and voluntary letters submitted to update information for the Reference Combined License Application (R-COLA) that include standard content for the AP1000 COLAs. The referenced letter also identified Open Items (OIs) contained in written safety evaluation reports (SERs) issued for selected chapters resulting from the NRC's detailed review of the initial AP1000 Reference COL application.

The attachments to this letter provide endorsement to the standard content for the Harris and Levy S-COLAs:

Attachment 1 - lists the Vogtle R-COLA submittal responses that contain standard content applicable to Harris Units 2 and 3

Attachment 2 - lists the Vogtle R-COLA submittal responses that contain standard content applicable to Levy Units 1 and 2

The tables in the attachments include the responses submitted by TVA and SNC for the R-COLA from July 16, 2010 through March 16, 2011. Progress Energy endorsed previous standard content in the referenced letter dated September 23, 2010 (Reference 2). Progress

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St. Petersburg, FL 33733

D084  
D094  
M100


Energy will continue to update this information to include endorsement of additional standard content RAIs and SER Open Items and voluntary supplements as this information is updated for the R-COLA in future submittals.

If you have any questions, or need additional information, please contact Bob Kitchen at (919) 546-6992 or me at (727) 820-4481.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on April 19, 2011.

Sincerely,



John Elnitsky  
Vice President  
New Generation Programs & Projects

Attachments:

1. AP1000 S-COLA (Harris Units 2 and 3) Supplemental Evaluation of Vogtle R-COLA Submittals for Standard Applicability
2. AP1000 S-COLA (Levy Units 1 and 2) Supplemental Evaluation of Vogtle R-COLA Submittals for Standard Applicability

cc: Mr. Brian C. Anderson, U.S. NRC Project Manager  
Mr. Brian Hughes, U.S. NRC Project Manager  
Mr. Manny Comar, U.S. NRC Project Manager  
U.S. NRC Region II, Regional Administrator  
U.S. NRC Resident Inspector, SHNPP Unit 1

## AP1000 S-COLA (Harris Units 2 and 3) SUPPLEMENTAL EVALUATION of R-COLA SUBMITTALS for STANDARD APPLICABILITY

RAI/OI ID#	ERAI/OI #	RAI/OI Topic/Subject	Date Submitted	RAI/OI Ltr #	Utility Specific	Official NRC RAI/OI #	S-COLA Endorsement
4246	5264	IBR of PI & SGI	11/11/2010	VEGP-VOL-Ch01 IBR of PI & SGI	Standard	01-03	Yes
4253	5264	IBR of PI & SGI	2/24/2011	VEGP-VOL-Ch01 IBR of PI & SGI	Standard	01-03	Yes
4247	5529	Division 5 Reg Guide (RG) Conformance	2/8/2011	VEGP-VOL-Ch01 Div 5 RGs	Standard	01-04	Yes
4235	4980	NWE1- 30/40/70	10/15/2010	062	Standard	01.05-01	Yes
4239	5115	NWE1- ISG-22	11/2/2010	063	Standard w/PS*	01.05-02	Yes
4242	5144	SNM - Material Accounting and Control (MCA)	11/23/2010	064	Standard	01.05-03	Yes
4256	5635	Prior to 10CFR 73.55 Implementation	3/3/2011	VEGP-VOL-73.55-Imp1	Standard	01.05-04	Yes
4260	5661	Additional Information for Part 30-40 Materials Licenses	3/16/2011	VEGP-VOL-Materials 30-40	Standard	01.05-05	Yes
4244	5070	Settlement	11/11/2010	VEGP-VOL-Ch02 re const seq	Southern	02.05.04-07	NA
4248	5409	HLD Foundation	1/12/2011	VEGP-VOL-Ch02 re HLD	Southern	02.05.04-08	NA
4194	5020	ASCE 7	9/20/2010	VEGP-VOL-Ch03 ASCE	Southern	03.03.01-01	NA
4241	5197	Seismic Instrumentation LMAs	10/15/2010	VEGP-VOL-Ch03 SI	Southern	03.07.01-01	Yes <sup>B</sup>
4172	1615	Adequacy of 2D Seismic Response Analysis	10/15/2010	018 S2	Southern	03.07.02-1 VR	NA
4227	5151	Construction procedures	10/1/2010	VEGP-VOL-Ch03 Const	Standard	03.08.04-02	Yes
4187	5011	Structures Inspection Program	8/17/2010	VEGP-VOL-Ch03 SIP	Standard	03.08.05-01	Yes
4192	4642	EMB1- Surge line monitoring test abstract	8/6/2010	057 S1	Standard	03.12-02 VR	Yes
4173	4859	SBPB- NRC Bulletin 2002-01 re unidentified leakage	8/5/2010	060	Standard	05.02.05-01	Yes
4174	4859	SBPB- Alarm setpoints for unidentified leakage	8/5/2010	060	Standard	05.02.05-02	Yes
4193	5061	Quickloc ISI	8/27/2010	VEGP-VOL-Ch05 ISI	Standard	05.03.01-01	Yes
4191	5009	Coatings Program	8/13/2010	VEGP-VOL-Ch06 Coatings	Standard	06.01.02-02	Yes
4188	4856	SBCV- CR Habitability	9/3/2010	061	Standard	06.04-05	Yes***
4162	5062	Toxic chemical	7/30/2010	VEGP-VOL-Ch06 re chemicals	Standard	06.04-06	Yes
4226	5196	Electrical testing procedures	10/15/2010	VEGP-VOL-Ch08	Standard	08.03.02-01	Yes
4171	5087	Radwaste discharge line (WLS) leakage monitoring (20.1406 issue)	9/10/2010	VEGP-VOL-Ch11 re outfall	Southern	12.03-12.04-04	NA
4243	5323	Common TSC	11/2/2010	VEGP-VOL-Ch18 TSC ACRS	Southern	13.03-09	NA
4236	4466	Revised Security and Cyber Security Plan implementation in Table 13.4-201	10/22/2010	051 S2	Standard	13.06.06-01 to 14	Yes
4255	5530	Cyber Security Plan revision for BOP SSCs	1/31/2011	VEGP-VOL-CSP BOP SSCs	Standard	13.06.06-16	Yes
4259	5618	Sumbittal of SNM PPP Description in COLA Part 8 & response to RAI LTR 65	3/16/2011	065	Standard	13.06-37	Yes
4245	5265	Qualification of test engineers	11/11/2010	VEGP-VOL-Ch14 Quals	Standard	14.02-03	Yes
4240	5298	Initial Test Program License Conditions	10/15/2010	VEGP-VOL-Ch14 SUT LCs	Standard	14.02-04	Yes
4161	3951	Calorimetric uncertainty COL item - followup to WEC Revised Response	8/6/2010	COL-SER-OI-Ch15 S2	Standard	01.15.00-01 VR	Yes
4232	3951	Calorimetric uncertainty COL item - address TR R8 SER	10/29/2010	COL-SER-OI-Ch15 S3	Standard	01.15.00-01 VR2	Yes
4254	5541	Calorimetric uncertainty COL item - address ACRS questions	2/8/2011	VEGP-VOL-Ch15 ACRS	Standard	15-01	Yes
4170	4948	EOF re NUREG-0696	7/27/2010	VEGP-VOL-Ch18 EOF	Southern	18-01	NA
3855**	3512	Demonstrate Adequate Seismic Margin	10/30/2009	040	Southern	19-010	NA
4156	3409	Spent Fuel Pool Loading pattern	8/13/2010	042 S4	Standard	19-069 S2	Yes
4262	4459	Verification of adequate spray coverage by the preferential SFP spray system	8/13/2010	052 (with 042 S4)	Standard	19-085 S1	Yes
4070	4459	19-89: Address how engineering basis for 10 CFR 50.54(hh)(2) is to be documented and available for audit	5/5/2010	052	Southern	19-089	Yes <sup>A</sup>
4238	4543	Develop procedures to start a DG without DC power.	10/8/2010	054 S2	Standard	19-102 S1	Yes
4233	5113	PRA- Seismic margins	9/20/2010	VEGP-VOL-Ch19	Standard w/PS*	19-104	Yes
4228	5297	VEGP STD LOLA MSD letter submittal	11/12/2010	VEGP-VOL-LOLA MSD	Southern	19-105	NA
<b>Notes</b>							
*	Qb items 4239 and 4233 are generally STANDARD responses but also contain some plant-specific (PS) material.						
**	Correction to 2010-08-23 listing of "Standard" for RAI/OI ID #3855 response. The response is correctly shown in this listing as a "Southern" plant-specific submittal.						
***	Progress Energy endorsed all but COLA Revision #3 of the VEGP response, as identified in NPD-NRC-2010-076, dated 10/08/2010						
A	Progress Energy revises its endorsement of this site-specific response from NA as reported in NPD-NRC-2010-071 dated 09/23/2010 to Yes as reported in this item						
B	Although this letter is categorized as Southern-specific, the FSAR revisions are applicable to the Harris FSAR with appropriate site-specific changes						

AP1000 S-COLA (Levy Units 1 and 2) SUPPLEMENTAL EVALUATION of R-COLA SUBMITTALS for STANDARD APPLICABILITY

RAI/OI ID#	ERAI/OI #	RAI/OI Topic/Subject	Date Submitted	RAI/OI Ltr #	Utility Specific	Official NRC RAI/OI #	S-COLA Endorsement
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4235	4980	NWE1- 30/40/70	10/15/2010	062	Standard	01.05-01	Yes
4239	5115	NWE1- ISG-22	11/2/2010	063	Standard w/PS*	01.05-02	Yes
4242	5144	SNM - Material Accounting and Control (MCA)	11/23/2010	064	Standard	01.05-03	Yes
4256	5635	Prior to 10CFR 73.55 Implementation	3/3/2011	VEGP-VOL-73.55-Impl	Standard	01.05-04	Yes
4260	5661	Additional Information for Part 30-40 Materials Licenses	3/16/2011	VEGP-VOL-Materials 30-40	Standard	01.05-05	Yes
4244	5070	Settlement	11/11/2010	VEGP-VOL-Ch02 re const seq	Southern	02.05.04-07	NA
4248	5409	HLD Foundation	1/12/2011	VEGP-VOL-Ch02 re HLD	Southern	02.05.04-08	NA
4194	5020	ASCE 7	9/20/2010	VEGP-VOL-Ch03 ASCE	Southern	03.03.01-01	NA
4241	5197	Seismic Instrumentation LMAs	10/15/2010	VEGP-VOL-Ch03 SI	Southern	03.07.01-01	Yes <sup>C</sup>
4172	1615	Adequacy of 2D Seismic Response Analysis	10/15/2010	018 S2	Southern	03.07.02-1 VR	NA
4227	5151	Construction procedures	10/1/2010	VEGP-VOL-Ch03 Const	Standard	03.08.04-02	Yes
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4191	5009	Coatings Program	8/13/2010	VEGP-VOL-Ch06 Coatings	Standard	06.01.02-02	Yes****
4188	4856	SBCV- CR Habitability	9/3/2010	061	Standard	06.04-05	Yes*****
4162	5062	Toxic chemical	7/30/2010	VEGP-VOL-Ch06 re chemicals	Standard	06.04-06	Yes*****
4226	5196	Electrical testing procedures	10/15/2010	VEGP-VOL-Ch08	Standard	08.03.02-01	Yes****
4171	5087	Radwaste discharge line (WLS) leakage monitoing (20.1406 issue)	9/10/2010	VEGP-VOL-Ch11 re outfall	Southern	12.03-12.04-04	NA
4243	5323	Common TSC	11/2/2010	VEGP-VOL-Ch18 TSC ACRS	Southern	13.03-09	NA
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4255	5530	Cyber Security Plan revision for BOP SSCs	1/31/2011	VEGP-VOL-CSP BOP SSCs	Standard	13.06.06-16	Yes*****
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4161	3951	Calorimetric uncertainty COL item - followup to WEC Revised Response	8/6/2010	COL-SER-OI-Ch15 S2	Standard	OI 15.00-01 VR	Yes
4232	3951	Calorimetric uncertainty COL item - address TR R8 SER	10/29/2010	COL-SER-OI-Ch15 S3	Standard	OI 15.00-01 VR2	Yes****
4254	5541	Calorimetric uncertainty COL item - address ACRS questions	2/8/2011	VEGP-VOL-Ch15 ACRS	Standard	15-01	Yes****
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4262	4459	Verification of adequate spray coverage by the preferential SFP spray system	8/13/2010	052 (with 042 S4)	Standard	19-085 S1	Yes
4070	4459	19-89: Address how engineering basis for 10 CFR 50.54(hh)(2) is to be documented and available for audit	5/5/2010	052	Southern	19-089	Yes <sup>A</sup>
4072	4459	19-91: Update Mitigative Strategies Table to differentiate between commitments and strategies	5/5/2010	052	Southern	19-091	Yes <sup>B</sup>
4144	4459	Clarifications re: Updated Mitigative Strategies Table to differentiate between commitments and strategies	5/28/2010	052 S1	Southern	19-091 S1 VR	Yes <sup>B</sup>
4238	4543	Develop procedures to start a DG without DC power.	10/8/2010	054 S2	Standard	19-102 S1	Yes
4233	5113	PRA- Seismic margins	9/20/2010	VEGP-VOL-Ch19	Standard w/PS*	19-104	Yes***
4228	5297	VEGP STD LOLA MSD letter submittal	11/12/2010	VEGP-VOL-LOLA MSD	Southern	19-105	NA
<b>Notes</b>							
*	Qb items 4239 and 4233 are generally STANDARD responses but also contain some plant-specific (PS) material.						
**	Correction to 2010-08-23 listing of "Standard" for RAI/OI ID #3855 response. The response is correctly shown in this listing as a "Southern" plant-specific submittal.						
***	Progress Energy provided a voluntary response to this item in NPD-NRC-2011-006, dated 02/14/2011						
****	Progress Energy endorsed these R-COLA responses in NPD-NRC-2011-017, dated 03/01/2011						
*****	Progress Energy endorsed these R-COLA responses in NPD-NRC-2011-018, dated 03/07/2011						
*****	Progress Energy endorsed all but COLA Revision #3 of the VEGP response, as identified in NPD-NRC-2010-076, dated 10/08/2010						

## AP1000 S-COLA (Levy Units 1 and 2) SUPPLEMENTAL EVALUATION of R-COLA SUBMITTALS for STANDARD APPLICABILITY

RAI/OI ID#	ERA/OI #	RAI/OI Topic/Subject	Date Submitted	RAI/OI Ltr #	Utility Specific	Official NRC RAI/OI #	S-COLA Endorsement
*****		Progress Energy endorsed these R-COLA responses in NPD-NRC-2011-019, dated 03/15/2011					
A		Progress Energy revises its endorsement of this site-specific response from NA as reported in NPD-NRC-2010-071 dated 09/23/2010 to Yes as reported in this item					
B		Progress Energy revises its endorsement of this site-specific response from NA as reported in NPD-NRC-2010-071 dated 09/23/2010 to Yes as reported in these items, with the clarification that LNP 1 and 2 are not co-located with operating units as is the case for the Vogtle Units 3 and 4; thus the discussion of current operating unit commitments in relation to new unit commitments is not applicable to the Levy response.					
C		Although this letter is categorized as Southern-specific, the FSAR revisions are applicable to the Levy FSAR with appropriate site-specific changes					