Nuclear Operating Company
South Texas Project Electric Generating Station P.O. Box 289 Wadsworth, Texas 77483

November 1, 2010
U7-C-STP-NRC-100238

U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
One White Flint North
11555 Rockville Pike
Rockville, MD 20852-2738

South Texas Project
Units 3 and 4
Docket Nos. 52-012 and 52-013
Supplemental Response to Request for Additional Information

Attached is a supplemental response to the NRC staff question included in Request for Additional Information (RAI) letter number 238 related to Combined License Application (COLA) Part 2, Tier 2, Section 16.3.

The attachment provides a supplemental response to the RAI question listed below:

16-65

When a change to the COLA is indicated, it will be incorporated into the next routine revision of the COLA following NRC acceptance of the RAI response.

There are no commitments in this letter.

If you have any questions regarding this response, please contact me at (361) 972-7136, or Bill Mookhoek at (361) 972-7274.

D091
NRO

STI 32771246

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

Executed on 11/1/10

Scott Head
Manager, Regulatory Affairs
South Texas Project Units 3 & 4

gsc

Attachment:

1. RAI 16-65 (Supplement 2)

cc: w/o attachment except*
(paper copy)

Director, Office of New Reactors
U. S. Nuclear Regulatory Commission
One White Flint North
11555 Rockville Pike
Rockville, MD 20852-2738

Regional Administrator, Region IV
U. S. Nuclear Regulatory Commission
611 Ryan Plaza Drive, Suite 400
Arlington, Texas 76011-8064

Kathy C. Perkins, RN, MBA
Assistant Commissioner
Division for Regulatory Services
Texas Department of State Health Services
P. O. Box 149347
Austin, Texas 78714-9347

Alice Hamilton Rogers, P.E.
Inspection Unit Manager
Texas Department of State Health Services
P. O. Box 149347
Austin, Texas 78714-9347

*Steven P. Frantz, Esquire
A. H. Gutterman, Esquire
Morgan, Lewis & Bockius LLP
1111 Pennsylvania Ave. NW
Washington D.C. 20004

*Stacy Joseph
Two White Flint North
11545 Rockville Pike
Rockville, MD 20852

(electronic copy)

*George F. Wunder
*Stacy Joseph
Loren R. Plisco
U. S. Nuclear Regulatory Commission

Steve Winn
Joseph Kiwak
Eli Smith
Nuclear Innovation North America

Peter G. Nemeth
Crain, Caton & James, P.C.

Richard Peña
Kevin Pollo
L. D. Blaylock
CPS Energy

RAI 16-65 (Supplement 2)

QUESTION:

COLA Part 2, Table 16.3.3.1.1-1, "SSLC Sensor Instrumentation" Function 2a, "APRM Neutron Flux – High, Setdown has an Allowable Value, but does not list a corresponding channel calibration as a required surveillance test for this function. Please add a calibration requirement to the list of required SRs for this function.

RESPONSE:

SR 3.3.1.1.10, "SENSOR CHANNEL CALIBRATION" will be added to the list of required SRs for Function 2a, "APRM Neutron Flux – High, Setdown." In addition, for consistency within Table 16.3.3.1.1-1, this SR (3.3.1.1.10) will be added to Functions 1b, SRNM Neutron Flux – Short Period; 1c, SRNM ATWS Permissive; 2g, APRM ATWS ADS Permissive; 12, CRD Water Header Charging Pressure – Low; 24a, Reactor Building Area Exhaust Air Radiation – High and 24b, Fuel Handling Area Exhaust Air Radiation – High, which all have Allowable Values, but no corresponding listed calibration requirement.

SR 3.3.1.1.3 (DIVISION FUNCTIONAL TEST) and SR 3.3.1.1.4 (DIVISION FUNCTIONAL TEST) will be revised to state that these tests must be performed "in accordance with TS 5.5.2.11, Setpoint Control Program."

Departure STD DEP 16.3-100 will be modified to list SRs 3.3.1.1.3 and 3.3.1.1.4 among the CHANNEL and DIVISION FUNCTIONAL TESTS that must be performed "in accordance with TS 5.5.2.11, Setpoint Control Program." This departure will also be modified to identify the addition of the SENSOR CHANNEL CALIBRATION (SR 3.3.1.1.10) to Functions 1b, SRNM Neutron Flux – Short Period; 1c, SRNM ATWS Permissive; 2g, APRM ATWS ADS Permissive; 12, CRD Water Header Charging Pressure – Low; 24a, Reactor Building Area Exhaust Air Radiation – High and 24b, Fuel Handling Area Exhaust Air Radiation – High.

The changes to COLA Parts 2 and 7 are shown grey shaded. The corresponding changes will also be made to COLA Part 4.

3.3.1.1 Safety System Logic and Control (SSLC) Sensor Instrumentation

LCO 3.3.1.1 The SSLC instrumentation for each Function in Table 3.3.1.1-1 shall be OPERABLE.

APPLICABILITY: According to Table 3.3.1.1-1.

SURVEILLANCE REQUIREMENTS

---------- -------NOTE----------

Refer to Table 3.3.1.1-1 to determine which SRs apply for each SSLC Sensor Instrumentation Function.

SURVEILLANCE		FREQUENCY
SR 3.3.1.1.1	Perform SENSOR CHANNEL CHECK.	12 hours
SR 3.3.1.1.2	----------NOTE---------- Only required to be met with THERMAL POWER ≥ 25% RTP. ---------- Verify the absolute difference between the average power range monitor (APRM) channels and the calculated power is ≤ 2% RTP	7 days
SR 3.3.1.1.3	----------NOTE---------- Not required to be performed when entering MODE 2 from MODE 1 until 12 hours after entering MODE 2. ---------- Perform DIVISION FUNCTIONAL TEST in accordance with TS 5.5.2.11, Setpoint Control Program.	7 days

	SURVEILLANCE	FREQUENCY
SR 3.3.1.1.4	Perform DIVISION FUNCTIONAL TEST in accordance with TS 5.5.2.11, Setpoint Control Program.	31 days
SR 3.3.1.1.5	Perform DIVISION FUNCTIONAL TEST in accordance with TS 5.5.2.11, Setpoint Control Program.	31 days
SR 3.3.1.1.6	Perform CHANNEL FUNCTIONAL TEST in accordance with TS 5.5.2.11, Setpoint Control Program.	31 days
SR 3.3.1.1.7	Calibrate the local power range monitors.	1000 MW·d/t average core exposure
SR 3.3.1.1.8	----------NOTES---------- 1. Required to be met with THERMAL POWER ≤ 5% RTP prior to entry into MODE 1 from MODE 2. 2. Required to be met prior to entry into MODE 2 from MODE 1. ---------- Verify the SRNM and APRM channels overlap within at least 1/2 decade.	7 days
SR 3.3.1.1.9	----------NOTE---------- Radiation and Neutron detectors are excluded. ---------- Perform COMPREHENSIVE FUNCTIONAL TEST.	18 months

SR 3.3.1.1.10	----------NOTES---------- 1. Neutron detectors are excluded. 2. SENSOR CHANNEL CALIBRATION shall include calibration of all parameters used to calculate setpoints (e.g., recirculation flow for TPM setpoint) and all parameters used for trip function bypasses (e.g., Turbine first stage pressure for TSV closure bypass). ---------- Perform SENSOR CHANNEL CALIBRATION in accordance with TS 5.5.2.11, Setpoint Control Program.	18 months
SR 3.3.1.1.11	Perform CHANNEL CALIBRATION in accordance with TS 5.5.2.11, Setpoint Control Program.	18 months
SR 3.3.1.1.12	----------NOTE---------- Neutron detectors are excluded. ---------- Verify RPS RESPONSE TIME is within limits.	18 months
SR 3.3.1.1.13	Verify ECCS RESPONSE TIME is within limits.	18 months
SR 3.3.1.1.14	----------NOTE---------- Neutron detectors are excluded. ---------- Verify ISOLATION RESPONSE TIME is within limits.	18 months

Table 3.3.1.1-1 (Page 1 of 9)
SSLC Sensor Instrumentation

FUNCTION	APPLICABLE MODES OR OTHER SPECIFIED CONDITIONS	REQUIRED CHANNELS	CONDITIONS REFERENCED FROM REQUIRED ACTIONS	SURVEILLANCE REQUIREMENTS
1. Startup Range Neutron Monitors				
1a. SRNM Neutron Flux – High	2	4	H	SR 3.3.1.1.1 SR 3.3.1.1.3 SR 3.3.1.1.8 SR 3.3.1.1.9 SR 3.3.1.1.10
	5[a]	4	I	SR 3.3.1.1.1 SR 3.3.1.1.4 SR 3.3.1.1.9 SR 3.3.1.1.10
1b. SRNM Neutron Flux – Short Period	2[b]	4	H	SR 3.3.1.1.1 SR 3.3.1.1.3 SR 3.3.1.1.8 SR 3.3.1.1.10
	5[a] [b]	4	I	SR 3.3.1.1.1 SR 3.3.1.1.4 SR 3.3.1.1.9 SR 3.3.1.1.10
1c. SRNM ATWS Permissive	1,2	4	H	SR 3.3.1.1.5 SR 3.3.1.1.9 SR 3.3.1.1.10
1d. SRNM - Inop	1,2	4	H	SR 3.3.1.1.3
	5[a]	4	I	SR 3.3.1.1.4 SR 3.3.1.1.9
2. Average Power Range Monitors				
2a. APRM Neutron Flux – High, Setdown	2	4	H	SR 3.3.1.1.1 SR 3.3.1.1.3 SR 3.3.1.1.7 SR 3.3.1.1.8 SR 3.3.1.1.10

Table 3.3.1.1-1 (Page 2 of 9)
SSLC Sensor Instrumentation

	FUNCTION	APPLICABLE MODES OR OTHER SPECIFIED CONDITIONS	REQUIRED CHANNELS	CONDITIONS REFERENCED FROM REQUIRED ACTIONS	SURVEILLANCE REQUIREMENTS
2b.	APRM Simulated Thermal Power – High, Flow Biased	1	4	G	SR 3.3.1.1.1 SR 3.3.1.1.2 SR 3.3.1.1.5 SR 3.3.1.1.7 SR 3.3.1.1.9 SR 3.3.1.1.10 SR 3.3.1.1.12
2c.	APRM Fixed Neutron Flux – High	1	4	G	SR 3.3.1.1.1 SR 3.3.1.1.2 SR 3.3.1.1.5 SR 3.3.1.1.7 SR 3.3.1.1.9 SR 3.3.1.1.10 SR 3.3.1.1.12
2d.	APRM - Inop	1,2	4	H	SR 3.3.1.1.5 SR 3.3.1.1.7
2e.	Rapid Core Flow Decrease	≥ 75% RTP	4	F	SR 3.3.1.1.1 SR 3.3.1.1.5 SR 3.3.1.1.9 SR 3.3.1.1.10 SR 3.3.1.1.12
2f.	Oscillation Power Range Monitor	Per Figure 3.3.1.1-1	4	J	SR 3.3.1.1.1 SR 3.3.1.1.5 SR 3.3.1.1.9 SR 3.3.1.1.10 SR 3.3.1.1.12
2g.	APRM ATWS ADS Permissive	1,2	4	H	SR 3.3.1.1.5 SR 3.3.1.1.9 SR 3.3.1.1.10
3.	Reactor Vessel Steam Dome Pressure – High				
3a.	RPS Trip Initiation	1,2	4	H	SR 3.3.1.1.1 SR 3.3.1.1.5 SR 3.3.1.1.9 SR 3.3.1.1.10 SR 3.3.1.1.12

Table 3.3.1.1-1 (Page 3 of 9)
SSLC Sensor Instrumentation

	FUNCTION	APPLICABLE MODES OR OTHER SPECIFIED CONDITIONS	REQUIRED CHANNELS	CONDITIONS REFERENCED FROM REQUIRED ACTIONS	SURVEILLANCE REQUIREMENTS
3b.	Isolation Initiation	1,2,3	4	K	SR 3.3.1.1.1 SR 3.3.1.1.5 SR 3.3.1.1.9 SR 3.3.1.1.10 SR 3.3.1.1.14
3c.	SLCS and FWRB Initiation	1,2	4	H	SR 3.3.1.1.1 SR 3.3.1.1.6 SR 3.3.1.1.11
4.	Reactor Steam Dome Pressure – Low (Injection Permissive)	1,2,3	4	N	SR 3.3.1.1.1 SR 3.3.1.1.5 SR 3.3.1.1.9 SR 3.3.1.1.10 SR 3.3.1.1.13
5.	Reactor Vessel Water Level – High, Level 8	1,2,3 4[e],5[e]	4	N	SR 3.3.1.1.1 SR 3.3.1.1.5 SR 3.3.1.1.9 SR 3.3.1.1.10
6.	Reactor Vessel Water Level – Low, Level 3				
6a.	RPS Trip Initiation	1,2	4	H	SR 3.3.1.1.1 SR 3.3.1.1.5 SR 3.3.1.1.9 SR 3.3.1.1.10 SR 3.3.1.1.12
6b.	Isolation Initiation	1,2,3	4	K	SR 3.3.1.1.1 SR 3.3.1.1.5 SR 3.3.1.1.9 SR 3.3.1.1.10 SR 3.3.1.1.14
		(f)	4	L	SR 3.3.1.1.1 SR 3.3.1.1.5 SR 3.3.1.1.9 SR 3.3.1.1.10 SR 3.3.1.1.14

Table 3.3.1.1-1 (Page 4 of 9)
SSLC Sensor Instrumentation

	FUNCTION	APPLICABLE MODES OR OTHER SPECIFIED CONDITIONS	REQUIRED CHANNELS	CONDITIONS REFERENCED FROM REQUIRED ACTIONS	SURVEILLANCE REQUIREMENTS
7.	Reactor Vessel Water Level - Low, Level 2				
7a.	ESF Initiation	1,2,3	4	N	SR 3.3.1.1.1 SR 3.3.1.1.5 SR 3.3.1.1.9 SR 3.3.1.1.10 SR 3.3.1.1.13
7b.	Isolation Initiation	1,2,3	4	K	SR 3.3.1.1.1 SR 3.3.1.1.5 SR 3.3.1.1.9 SR 3.3.1.1.10 SR 3.3.1.1.14
		(f)	4	L	SR 3.3.1.1.1 SR 3.3.1.1.5 SR 3.3.1.1.9 SR 3.3.1.1.10 SR 3.3.1.1.14
7c.	SLCS and FWRB Initiation	1,2	4	H	SR 3.3.1.1.1 SR 3.3.1.1.6 SR 3.3.1.1.11
8.	Reactor Vessel Water Level – Low, Level 1.5				
8a.	ESF Initiation	1,2,3 4[e],5[e]	4	N	SR 3.3.1.1.1 SR 3.3.1.1.5 SR 3.3.1.1.9 SR 3.3.1.1.10 SR 3.3.1.1.13
8b.	Isolation Initiation	1,2,3	4	Q	SR 3.3.1.1.1 SR 3.3.1.1.5 SR 3.3.1.1.9 SR 3.3.1.1.10 SR 3.3.1.1.14
8c.	ATWS ADS Inhibit	1,2	4	H	SR 3.3.1.1.1 SR 3.3.1.1.5 SR 3.3.1.1.9 SR 3.3.1.1.10

Table 3.3.1.1-1 (Page 5 of 9)
SSLC Sensor Instrumentation

	FUNCTION	APPLICABLE MODES OR OTHER SPECIFIED CONDITIONS	REQUIRED CHANNELS	CONDITIONS REFERENCED FROM REQUIRED ACTIONS	SURVEILLANCE REQUIREMENTS
9.	Reactor Vessel Water Level – Low, Level 1				
9a.	ADS A, CAMS A, LPFL A & LPFL C Initiation	1,2,3 4[e],5[e]	4	N	SR 3.3.1.1.1 SR 3.3.1.1.5 SR 3.3.1.1.9 SR 3.3.1.1.10 SR 3.3.1.1.13
9b.	ADS B, Diesel Generator, RCW, CAMS B, & LPFL B Initiation	1,2,3 4[e],5[e]	4	N	SR 3.3.1.1.1 SR 3.3.1.1.5 SR 3.3.1.1.9 SR 3.3.1.1.10 SR 3.3.1.1.13
9c.	Isolation Initiation	1,2,3	4	Q	SR 3.3.1.1.1 SR 3.3.1.1.5 SR 3.3.1.1.9 SR 3.3.1.1.10 SR 3.3.1.1.14
10.	Main Steam Isolation Valve - Closure	1	4	G	SR 3.3.1.1.5 SR 3.3.1.1.9 SR 3.3.1.1.10 SR 3.3.1.1.12
11.	Drywell Pressure – High				
11a.	RPS Initiation	1,2	4	H	SR 3.3.1.1.1 SR 3.3.1.1.5 SR 3.3.1.1.9 SR 3.3.1.1.10 SR 3.3.1.1.12
11b.	ESF Initiation	1,2,3	4	P	SR 3.3.1.1.1 SR 3.3.1.1.5 SR 3.3.1.1.9 SR 3.3.1.1.10 SR 3.3.1.1.13
11c.	Isolation Initiation	1,2,3	4	Q	SR 3.3.1.1.1 SR 3.3.1.1.5 SR 3.3.1.1.9 SR 3.3.1.1.10 SR 3.3.1.1.14

Table 3.3.1.1-1 (Page 6 of 9)
SSLC Sensor Instrumentation

FUNCTION	APPLICABLE MODES OR OTHER SPECIFIED CONDITIONS	REQUIRED CHANNELS	CONDITIONS REFERENCED FROM REQUIRED ACTIONS	SURVEILLANCE REQUIREMENTS
11d. Feedwater Line Break Mitigation Initiation	1,2,3	4	P	SR 3.3.1.1.1 SR 3.3.1.1.5 SR 3.3.1.1.9 SR 3.3.1.1.10 SR 3.3.1.1.13
12. CRD Water Header Charging Pressure - Low	1,2	4	H	SR 3.3.1.1.1 SR 3.3.1.1.5 SR 3.3.1.1.10
	5[(a)]	4	I	SR 3.3.1.1.1 SR 3.3.1.1.5 SR 3.3.1.1.9 SR 3.3.1.1.10
13. Turbine Stop Valve - Closure	≥ 40% RTP	4	F	SR 3.3.1.1.5 SR 3.3.1.1.9 SR 3.3.1.1.10 SR 3.3.1.1.12
14. Turbine Control Valve Fast Closure, Trip Oil Pressure – Low	≥ 40% RTP	4	F	SR 3.3.1.1.1 SR 3.3.1.1.5 SR 3.3.1.1.9 SR 3.3.1.1.10 SR 3.3.1.1.12
15. Feedwater Line Differential Pressure - High	1,2,3	4	P	SR 3.3.1.1.1 SR 3.3.1.1.5 SR 3.3.1.1.9 SR 3.3.1.1.10 SR 3.3.1.1.13
16. Suppression Pool Temperature - High				
16a. RPS Initiation	1,2	4	H	SR 3.3.1.1.1 SR 3.3.1.1.5 SR 3.3.1.1.9 SR 3.3.1.1.10 SR 3.3.1.1.12
16b. ESF Initiation	1,2,3	4	N	SR 3.3.1.1.1 SR 3.3.1.1.5 SR 3.3.1.1.9 SR 3.3.1.1.10

Table 3.3.1.1-1 (Page 7 of 9)
SSLC Sensor Instrumentation

FUNCTION	APPLICABLE MODES OR OTHER SPECIFIED CONDITIONS	REQUIRED CHANNELS	CONDITIONS REFERENCED FROM REQUIRED ACTIONS	SURVEILLANCE REQUIREMENTS
17. Condensate Storage Tank Level - Low	1,2,3 4[e],5[e]	4	M	SR 3.3.1.1.1 SR 3.3.1.1.5 SR 3.3.1.1.9 SR 3.3.1.1.10
18. Suppression Pool Water Level - High	1,2,3 4[e],5[e]	4	M	SR 3.3.1.1.1 SR 3.3.1.1.5 SR 3.3.1.1.9 SR 3.3.1.1.10
19. Main Steam Line Pressure – Low	1	4	G	SR 3.3.1.1.1 SR 3.3.1.1.5 SR 3.3.1.1.9 SR 3.3.1.1.10
20. Main Steam Line Flow — High	1,2,3	4 per MSL	Q	SR 3.3.1.1.1 SR 3.3.1.1.5 SR 3.3.1.1.9 SR 3.3.1.1.10 SR 3.3.1.1.14
21. Condenser Vacuum – Low	1,2[d],3[d]	4	Q	SR 3.3.1.1.1 SR 3.3.1.1.5 SR 3.3.1.1.9 SR 3.3.1.1.10
22. Main Steam Tunnel Temperature – High	1,2,3	4	Q	SR 3.3.1.1.1 SR 3.3.1.1.5 SR 3.3.1.1.9 SR 3.3.1.1.10
23. Main Turbine Area Temperature - High	1,2,3	4	Q	SR 3.3.1.1.1 SR 3.3.1.1.5 SR 3.3.1.1.9 SR 3.3.1.1.10
24a. Reactor Building Area Exhaust Air Radiation - High	1,2,3	4	K	SR 3.3.1.1.1 SR 3.3.1.1.5 SR 3.3.1.1.10
	(f), (g)	4	L	SR 3.3.1.1.1 SR 3.3.1.1.5 SR 3.3.1.1.9 SR 3.3.1.1.10 SR 3.3.1.1.14

Table 3.3.1.1-1 (Page 8 of 9)
SSLC Sensor Instrumentation

FUNCTION	APPLICABLE MODES OR OTHER SPECIFIED CONDITIONS	REQUIRED CHANNELS	CONDITIONS REFERENCED FROM REQUIRED ACTIONS	SURVEILLANCE REQUIREMENTS
24b. Fuel Handling Area Exhaust Air Radiation - High	1,2,3	4	K	SR 3.3.1.1.1 SR 3.3.1.1.5 SR 3.3.1.1.10
	(f),(g)	4	L	SR 3.3.1.1.1 SR 3.3.1.1.5 SR 3.3.1.1.9 SR 3.3.1.1.10 SR 3.3.1.1.14
25. RCIC Steam Line Flow – High	1,2,3	4	K	SR 3.3.1.1.1 SR 3.3.1.1.5 SR 3.3.1.1.9 SR 3.3.1.1.10
26. RCIC Steam Supply Line Pressure — Low	1,2,3	4	K	SR 3.3.1.1.1 SR 3.3.1.1.5 SR 3.3.1.1.9 SR 3.3.1.1.10
27. RCIC Equipment Area Temperature – High	1,2,3	4	K	SR 3.3.1.1.1 SR 3.3.1.1.5 SR 3.3.1.1.9 SR 3.3.1.1.10
28. RHR Area Temperature - High	2,3	4 each RHR area	K	SR 3.3.1.1.1 SR 3.3.1.1.5 SR 3.3.1.1.9 SR 3.3.1.1.10
29. CUW Differential Flow – High	1,2,3	4	K	SR 3.3.1.1.1 SR 3.3.1.1.5 SR 3.3.1.1.9 SR 3.3.1.1.10
30. CUW Regenerative Heat Exchanger Area Temperature – High	1,2,3	4	K	SR 3.3.1.1.1 SR 3.3.1.1.5 SR 3.3.1.1.9 SR 3.3.1.1.10
31. CUW Non-Regenerative Heat Exchanger Area Temperature – High	1,2,3	4	K	SR 3.3.1.1.1 SR 3.3.1.1.5 SR 3.3.1.1.9 SR 3.3.1.1.10

Table 3.3.1.1-1 (Page 9 of 9)
SSLC Sensor Instrumentation

FUNCTION	APPLICABLE MODES OR OTHER SPECIFIED CONDITIONS	REQUIRED CHANNELS	CONDITIONS REFERENCED FROM REQUIRED ACTIONS	SURVEILLANCE REQUIREMENTS
32. CUW Equipment Area Temperature – High	1,2,3	4	K	SR 3.3.1.1.1 SR 3.3.1.1.5 SR 3.3.1.1.9 SR 3.3.1.1.10
33. RCW/RSW Heat Exchanger Room Water Level – High	(h)	4 each RCW/RSW HX Room	K	SR 3.3.1.1.1 SR 3.3.1.1.5 SR 3.3.1.1.9 SR 3.3.1.1.10

(a) With any control rod withdrawn from a core cell containing one or more fuel assemblies.

(b) Trip automatically bypassed within each SRNM and not required to be OPERABLE at reactor power levels ≤ 0.0001% RTP.

(c) Not Used

(d) With any Turbine Stop Valve not fully closed.

(e) When associated features are required to be operable.

(f) During CORE ALTERATIONS or operations with a potential for draining the reactor vessel.

(g) During movement of irradiated fuel assemblies in the secondary containment.

(h) When RSW pumps are required to be OPERABLE or in operation.

STD DEP 16.3-100, Setpoint Control Program Implementation

Description

This departure adds a new Specification, 5.5.2.11, "Setpoint Control Program" in order to utilize the methodology approach (Option 3) specified in Interim Staff Guidance (ISG)-08 for instrument allowable values used in the Technical Specifications. The report upon which this methodology is based is WCAP-17119-P "Methodology for South Texas Project Units 3 & 4 ABWR Technical Specification Setpoints."

The resulting changes include removal of the "Allowable Value" columns and values from Tables 3.3.1.1-1, 3.3.1.4-1, 3.3.4.1-1 and 3.3.7.1-1, including applicable footnotes, restatement of the Allowable Values in SRs 3.3.4.2.3 and 3.3.8.1.2, addition of the SENSOR CHANNEL CALIBRATION (SR 3.3.1.1.10) to Functions 1b (SRNM Neutron Flux – Short Period), 1c (SRNM ATWS Permissive), 2a (APRM Neutron Flux – High Setdown, 2g (APRM ATWS ADS Permissive), 12 (CRD Water Header Charging Pressure – Low, 24a (Reactor Building Area Exhaust Air Radiation – High and 24b (Fuel Handling Area Exhaust Air Radiation – High), modification of the definition for CHANNEL FUNCTIONAL TEST and DIVISIONAL FUNCTIONAL TEST to include instrument setpoint verification, restatement of the SENSOR CHANNEL CALIBRATION and CHANNEL CALIBRATION requirements in SRs 3.3.1.1.10, 3.3.1.1.11, 3.3.1.4.6, 3.3.4.1.3, 3.3.4.2.3, 3.3.7.1.3 and 3.3.8.1.2 and the CHANNEL FUNCTIONAL TEST and DIVISION FUNCTIONAL TEST requirements in SRs 3.3.1.1.3, 3.3.1.1.4, 3.3.1.1.5, 3.3.1.1.6, 3.3.1.4.3, 3.3.4.1.2, 3.3.4.2.2, 3.3.7.1.2 and 3.3.8.1.1 to reference TS 5.5.2.11, Setpoint Control Program. The corresponding changes are also made to the Bases and to the reference to the methodology document in Section 7.3.