

50-413/414

Duke Power Company  
Catawba Nuclear Station  
4800 Concord Road  
York, SC 29745

(803)831-3000



**DUKE POWER**

June 9, 1997

RE: Catawba Nuclear Station  
Selected License Commitment Manual

Please update Selected License Commitments (SLC) manual:

16.10.1 - Steam Vent to Atmosphere - Corrected  
16.8.4 - 6900V Shared Transformers - New

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A001

If you have any questions concerning contents of this package update, contact  
Denise Smith at 803-831-3810.

*M.S. Kitlan, Jr.*

M.S. Kitlan, Jr., Manager  
Regulatory Compliance - CNS

Attachments

9706270098 970529  
PDR ADDCK 05000413  
P PDR



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Appendix

Compliance Function Area Manual, Section 3.8  
"Selected Licensee Commitments"

**CATAWBA NUCLEAR STATION  
FINAL SAFETY ANALYSIS REPORT  
SELECTED LICENSEE COMMITMENTS  
CHAPTER 16.8**

**ELECTRICAL POWER SYSTEMS**

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## 16.8      Electrical Power Systems

### 16.8.4      6900V Shared Transformers

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#### COMMITMENT:

The 6900V Shared Transformers (SATA and SATB) will be available to be energized by the appropriate power source at all times of maintenance in which the indicated equipment is tagged and isolated. During the activities listed below (or their equivalent affects), ensure the supply power source is available, as directed:

Power Source/ Maintenance Activity	SATA from Brk 1TC4	SATB from Brk 1TB4	SATA from Brk 2TC4	SATB from Brk 2TB4
Unit 1 Zone A Main Power			X	
Unit 1 Zone B Main Power				X
Unit 1 A EDG			X	
Unit 1 B EDG				X
Unit 2 Zone A Main Power	X			
Unit 2 Zone B Main Power		X		
Unit 2 A EDG	X			
Unit 2 B EDG		X		

#### APPLICABILITY:

At all times

#### REMEDIAL ACTION:

Restore the appropriate power source to the shared transformers to available in accordance with the Risk Assessment Matrix priorities.

#### TESTING REQUIREMENTS:

None

REFERENCES:

Maintenance Rule, 10CFR50.65.  
WPM607

BASIS:

Effective implementation of the Maintenance Rule, 10CFR50.65, requires the continuous assessment of systems determined to be risk significant in the protection against Core Damage or Radiation Release. It has been determined through PRA numerical methods that the 6900V Shared Transformers (SATA and SATB) are risk significant from the standpoint of being able to recover from the Loss of Offsite Power Events. This SLC provides a method tracking the availability of the Shared Transformers for the purpose of supporting 10 CFR 50.65 and WPM607.

## 16.10 STEAM AND POWER CONVERSION SYSTEM

### 16.10.1 STEAM VENT TO ATMOSPHERE

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#### COMMITMENT:

Four steam generator PORV safety-related gas supply systems shall be OPERABLE with both nitrogen bottles per S/G PORV, pressurized to greater than or equal to 2100 psig.

#### APPLICABILITY:

Modes 1, 2, 3, 4\*

#### REMEDIAL ACTION:

- a. With one nitrogen bottle on one or more S/Gs less than 2100psig, immediately start corrective action to return the nitrogen supply to OPERABLE. Work to return the nitrogen supply to OPERABLE status should continue without interruption.
- b. With two nitrogen bottles on one or more S/Gs less than 2100 psig, consider the PORV(s) inoperable and refer to Technical Specification 3.7.1.6 for the required action.

#### TESTING REQUIREMENTS:

At least once per 24 hours by verifying that both nitrogen bottles per S/G PORV has a pressure greater than or equal to 2100 psig.

#### REFERENCES:

- 1) Design Basis Specification for the Catawba Main Steam System, Main Steam Vent to Atmosphere and Main Steam Bypass to Condenser System, Section 20.3.4
- 2) PIR 0-C90-0304
- 3) Branch Technical Position RSB5-1
- 4) CNC-1223.43-01-0011, rev 1

\* When Steam Generators are being used for decay heat removal.

**BASES:**

Design Engineering calculation CNC-1223.43-01-0011, rev 1, demonstrates that with one nitrogen bottle charged to at least 2100 psig, sufficient nitrogen exists to meet the Tech Spec Design basis of the S/G PORVs.

A revision to calculation CNC-1223.43-01-0011 also demonstrates that with two nitrogen bottles charged to at least 2100 psig, sufficient nitrogen exists to meet the Branch Technical Position RSB5-1 of supporting a controlled cooldown to the point where residual heat removal system can be put in service with or without offsite power following an earthquake.

The COMMITMENT for having both nitrogen bottles pressurized to greater than or equal to 2100 psig and the REMEDIAL ACTION, is adequate to ensure the intent of our FSAR commitment to Branch technical Position RSB5-1 is met.