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REFERENCE
CATAWBA NUCLEAR STATION
SELECTED LICENSEE COMMITMENTS

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Date: 01/27/03

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.CHAPTER 16.9-8	NA	001 01/07/03																	
.CHAPTER 16.9-10	NA	001 01/07/03																	

REMARKS: PLEASE REFER TO THE ATTACHED MEMO FOR FILING INSTRUCTIONS
TOTAL PAGES: 10

G R PETERSON
VICE PRESIDENT
CATAWBA NUCLEAR SITE

BY:

J M FERGUSON CN01SA JMF/RBE

1001

EB

January 21, 2003

RE: Catawba Nuclear Station
Selected Licensee Commitments Manual
Revision Date 1/07/03

Attached are revisions to the Catawba Nuclear Station Selected Licensee Commitments Manual.
Please remove and replace the following pages:

REMOVE

INSERT

LIST OF EFFECTIVE PAGES

Pages 1 through 4
Revision 2

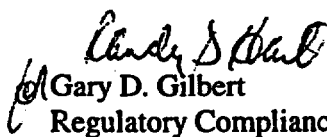
Pages 1 through 4
Revision 3

TAB 16.9

Chapter 16.9-8, remove pages 16.9-8-1,
16.9-8-2, 16.9-8-3, 16.9-10-1, 16.9-10-2
Revision 0

Chapter 16.9-8, insert pages 16.9-8-1,
16.9-8-2, 16.9-8-3, 16.9-10-1, 16.9-10-2
Revision 1

If you have any questions concerning the contents of this package update, contact Jill Ferguson at
(803) 831-3938.


Gary D. Gilbert
Regulatory Compliance Manager

Attachments

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16.9 AUXILIARY SYSTEMS

16.9-8 Boration Systems Flow Paths - Operating

- COMMITMENT** Two of the following three boron injection flow paths shall be OPERABLE:*
- a. The flow path from the boric acid tanks via a boric acid transfer pump and a charging pump to the Reactor Coolant System (RCS), and
 - b. Two flow paths from the Refueling Water Storage Tank (RWST) via charging pumps to the RCS.

APPLICABILITY: MODES 1, 2, and 3,
MODE 4 with all RCS cold leg temperatures > 285°F.

REMEDIAL ACTIONS

NOTE

In MODE 4 during plant startup, the provisions of SLC 16.2.3 are not applicable for 15 minutes for the purpose of racking in or otherwise aligning the second of two charging pumps after increasing all four RCS cold leg temperatures > 285°F.

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One required Boration System Flow Path inoperable.	A.1 Restore the required Boration System Flow Path to OPERABLE status.	72 hours*
B. Required Action and associated Completion Time of Condition A not met.	B.1 Be in MODE 3.	6 hours
	<u>AND</u>	
	B.2 Borate to a SDM equivalent to $\geq 1\% \Delta k/k$ at 200°F.	6 hours
	<u>AND</u>	

(continued)

* For each Unit, the Completion Time that the 'A' boration system flow path can be inoperable, as specified by Required Action A.1 may be extended beyond the 72 hours up to 168 hours as part of the NSW system upgrades. System upgrades include maintenance and modification activities associated with replacement of portions of the train 'A' NSW piping via modification CE-71424. Upon completion of the pipe replacement and system restoration this footnote is no longer applicable.

REMEDIAL ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
B. (continued)	B.3 Restore the required Boration System Flow Path to OPERABLE status.	7 days
C. Required Action and associated Completion Time of Condition B not met.	C.1 Be in MODE 4 with any RCS cold leg temperature $\leq 285^{\circ}\text{F}$.	30 hours

TESTING REQUIREMENTS

TEST	FREQUENCY
TR 16.9-8-1 Verify that the temperature of the flow path from the boric acid tanks is $\geq 65^{\circ}\text{F}$ when it is a required water source.	7 days
TR 16.9-8-2 Verify that each manual, power operated, or automatic valve in the flow path, that is not locked, sealed, or otherwise secured in position, is in the correct position.	31 days
TR 16.9-8-3 Verify, during shutdown, that each automatic valve in the flow path actuates to the correct position on a safety injection test signal.	18 months
TR 16.9-8-4 Verify that the flow path required by SLC 16.9-8a. delivers ≥ 30 gpm to the RCS.	18 months

BASES

The Boration System Flow Paths ensure that negative reactivity control is available during each MODE of facility operation. The components required to perform this function include separate flow paths and boric acid transfer pumps.

In MODES 1, 2, and 3, and MODE 4 with all RCS cold leg temperatures above 285°F , a minimum of two boron injection flow paths are required to

BASES (continued)

ensure single functional capability in the event an assumed failure renders one of the flow paths inoperable. The boration capability of either flow path, in association with a charging pump and borated water source, is sufficient to provide a SHUTDOWN MARGIN from expected operating conditions of 1.3% $\Delta k/k$ after xenon decay and cooldown to 200°F.

The exception to the provisions of SLC 16.2.3 for 15 minutes allows time for racking in or otherwise aligning the second of two charging pumps after increasing all four RCS cold leg temperatures above 285°F.

REFERENCES

1. Letter from NRC to Gary R. Peterson, Duke, Issuance of Improved Technical Specifications Amendments for Catawba, September 30, 1998.
2. Problem Investigation Process (PIP) C-00-01820.

16.9 AUXILIARY SYSTEMS

16.9-10 Boration Systems Charging Pumps - Operating

COMMITMENT Two charging pumps shall be OPERABLE.*

APPLICABILITY: MODES 1, 2, and 3,
MODE 4 with all Reactor Coolant System (RCS) cold leg
temperatures > 285°F.

REMEDIAL ACTIONS

-----NOTE-----

In MODE 4 during plant startup, the provisions of SLC 16.2.3 are not applicable for 15 minutes for the purpose of racking in or otherwise aligning the second of two charging pumps after increasing all four RCS cold leg temperatures > 285°F.

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One Boration System Charging Pump inoperable.	A.1 Restore the inoperable Boration System Charging Pump to OPERABLE status.	72 hours*
B. Required Action and associated Completion Time of Condition A not met.	B.1 Be in MODE 3.	6 hours
	<u>AND</u>	
	B.2 Borate to a SDM equivalent to $\geq 1\% \Delta k/k$ at 200°F.	6 hours
	<u>AND</u>	
	B.3 Restore the inoperable Boration System Charging Pump to OPERABLE status.	7 days

(continued)

* For each Unit, the Completion Time that the 'A' boration system charging pump can be inoperable, as specified by Required Action A.1 may be extended beyond the 72 hours up to 168 hours as part of the NSWS system upgrades. System upgrades include maintenance and modification activities associated with replacement of portions of the train 'A' NSWS piping via modification CE-71424. Upon completion of the pipe replacement and system restoration this footnote is no longer applicable.

REMEDIAL ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
C. Required Action and associated Completion Time of Condition B not met.	C.1 Be in MODE 4 with any RCS cold leg temperature $\leq 285^{\circ}\text{F}$.	30 hours

TESTING REQUIREMENTS

TEST	FREQUENCY
TR 16.9-10-1 Verify that each charging pump's developed head at the test flow point is greater than or equal to the required developed head.	In accordance with the Inservice Testing Program

BASES

The Boration System Charging Pumps ensure that negative reactivity control is available during each MODE of facility operation.

In MODES 1, 2, and 3, and MODE 4 with all RCS cold leg temperatures above 285°F , two charging pumps are required to ensure single functional capability in the event an assumed failure renders one of the charging pumps inoperable. The boration capability of either charging pump, in association with a flow path and borated water source, is sufficient to provide a SHUTDOWN MARGIN from expected operating conditions of 1.3% $\Delta k/k$ after xenon decay and cooldown to 200°F .

The exception to the provisions of SLC 16.2.3 for 15 minutes allows time for racking in or otherwise aligning the second of two charging pumps after increasing all four RCS cold leg temperatures above 285°F .

REFERENCES

1. Letter from NRC to Gary R. Peterson, Duke, Issuance of Improved Technical Specifications Amendments for Catawba, September 30, 1998.
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