

*See Correction letter  
of 3/15/85*

Docket No. 50-261

November 20, 1984

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Mr. E. E. Utley, Executive Vice President  
Power Supply and Engineering & Construction  
Carolina Power and Light Company  
Post Office Box 1551  
Raleigh, North Carolina 27602

Dear Mr. Utley:

SUBJECT: CORRECTIONS TO AMENDMENT NO. 87 TECHNICAL SPECIFICATION

The enclosed Technical Specification pages are corrections for our Amendment No. 87. Amendment N. 87 dated November 7, 1984 revised the Appendix A Technical Specification as a result of the H. B. Robinson Unit No. 2 Cycle 10 core reload analysis.

Because of timing of the Cycle 10 reload requests, our issuance of this amendment, as well as Amendment No. 85 (containing requests from past several years), pagination errors were made on several of the Amendment No. 87 Technical Specification pages.

The corrected pages involved and enclosed, herewith, are:

Appendix A revision sheet

Renumbered Page	Replaces November 7, 1984 Page No.
3.5-10	3.5-7
3.5-11	3.5-7a
3.5-15	3.5-10a

We apologize for any inconvenience this may have caused you.

Sincerely,

/s/GRequa

Glode Requa, Project Manager  
Operating Reactors Branch #1  
Division of Licensing

Enclosure:  
As stated

cc w/enclosure:  
See next page

ORB#1:DL  
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C-ORB#1:DL  
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11/20/84

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Mr. E. E. Utley  
Carolina Power and Light Company

H. B. Robinson Steam Electric  
Plant 2

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ATTACHMENT TO LICENSE AMENDMENT

AMENDMENT NO. 87      FACILITY OPERATING LICENSE NO. DPR-23

DOCKET NO. 50-261

Revise Appendix A as follows:

<u>Remove Pages</u>	<u>Insert Pages</u>
2.1-1 thru 2.1-8	2.1-1 thru 2.1-4
2.3-1 thru 2.3-6	2.3-1 thru 2.3-6
3.1-1 thru 3.1-3a	3.1-1 thru 3.1-3b
3.1-11 thru 3.1-12	3.1-11 thru 3.1-12
3.5-10 and 3.5-11	3.5-10 and 3.5-11
3.5-15	3.5-15
3.6-1 thru 3.6-2	3.6-1 thru 3.6-2
3.6-2a	3.6-3
3.8-6	3.8-6
3.10-2 thru 3.10-7	3.10-2 thru 3.10-7b
3.10-12	3.10-12
3.10-14 thru 3.10-20	3.10-14 thru 3.10-20
3.10-22	3.10-22 thru 3.10-24
3.11-1 thru 3.11-2	3.11-1 thru 3.11-2
4.11-1 thru 4.11-3	4.11-1 thru 4.11-3
5.3-1 thru 5.3-2	5.3-1 thru 5.3-2

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TABLE 3.5-1

ENGINEERED SAFETY FEATURE SYSTEM INITIATION INSTRUMENT SETTING LIMITS

<u>NO.</u>	<u>FUNCTIONAL UNIT</u>	<u>CHANNEL ACTION</u>	<u>SETTING LIMIT</u>
1.	High Containment Pressure (HI Level)	Safety Injection*	$\leq 5$ psig
2.	High Containment Pressure (HI-HI Level)	a. Containment Spray** b. Steam Line Isolation	$\leq 25$ psig
3.	Pressurizer Low Pressure	Safety Injection*	$\geq 1700$ psig
4.	High Differential Pressure Between any Steam Line and the Steam Line Header	Safety Injection*	$\leq 150$ psi
5.	High Steam Flow in 2/3 Steam Lines***	a. Safety Injection* b. Steam Line Isolation	$\leq 40\%$ (at zero load) of full steam flow $\leq 40\%$ (at 20% load) of full steam flow $\leq 110\%$ (at full load) of full steam flow
	Coincident with Low $T_{avg}$ or Low Steam Line Pressure		$> 541^\circ\text{F } T_{avg}$ $\geq 600$ psig steam line pressure
6.	Loss of Power		
	a. 480V Emerg. Bus Undervoltage (Loss of Voltage) Time Delay	Trip Normal Supply Breaker	328 Volts $\pm 1$ Volt .75 $\pm$ .25 sec.

TABLE 3.5-1 (Continued)

ENGINEERED SAFETY FEATURE SYSTEM INITIATION INSTRUMENT SETTING LIMITS

<u>NO.</u>	<u>FUNCTIONAL UNIT</u>	<u>CHANNEL ACTION</u>	<u>SETTING LIMIT</u>
6.	b. 480V Emerg. Bus Undervoltage (Cont'd) (Degraded Voltage) Time Delay	Trip Normal Supply Breaker	412 Volts + 1 Volt 10.0 Second Delay + 0.5 sec.
7.	Containment Radioactivity High	Ventilation Isolation	$\leq 2 \times$ Reading at the Time the Alarm is Set with Known Plant Conditions

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\* Initiates also containment isolation (Phase A), feedwater line isolation and starting of all containment fans.

\*\* Initiates also containment isolation (Phase B).

\*\*\* Derived from equivalent  $\Delta P$  measurements.

TABLE 3.5-3 (Continued)

INSTRUMENTATION OPERATING CONDITIONS FOR ENGINEERED SAFETY FEATURES

<u>NO.</u>	<u>FUNCTIONAL UNIT</u>	<u>1 MINIMUM CHANNELS OPERABLE</u>	<u>2 MINIMUM DEGREE OF REDUNDANCY</u>	<u>3 OPERATOR ACTION IF CONDITIONS OF COLUMN 1 OR 2 CANNOT BE MET</u>
2.	CONTAINMENT SPRAY			
	a. Manual*	2	0**	Cold Shutdown
	b. High Containment Pressure* (Hi-Hi Level)	2/set	1/set	Cold Shutdown
3.	LOSS OF POWER			
	a. 480V Emerg. Bus Undervoltage (Loss of Voltage)	2/bus <sup>(a)</sup>	1/bus <sup>(b)</sup>	Main Hot Shutdown
	b. 480V Emerg. Bus Undervoltage (Degraded Voltage)	2/bus	1/bus	Maintain Hot Shutdown <sup>(c)</sup>

\* Also initiates a Phase B containment isolation.

\*\* Must actuate two switches simultaneously.

\*\*\* When primary pressure is less than 2000 psig, channels may be blocked.

\*\*\*\* When primary temperature is less than 547°F, channels may be blocked.

\*\*\*\*\* In this case the 2/3 high steam flow is already in the trip mode.

(a) During testing and maintenance of one channel, may be reduced to 1/bus.

(b) During testing and maintenance of one channel, may be reduced to 0/bus.

(c) The reactor may remain critical below the power operating conditions with this feature inhibited for the purpose of starting reactor coolant pumps.