

PRIORITY Rush

DISPOSITION OF THE ORIGINAL DOCUMENT WILL BE TO
THE TRANSMITTAL SIGNATURE UNLESS RECIPIENT IS
OTHERWISE IDENTIFIED BELOW

- 1) 03679 J L YON CT01A
- 2) 03759 U S NUCLEAR REG WASH, DC
- 3) 03796 NUS INFO SVC, CLEARWATER, FL
- 4) 03807 W M CARWILE SYS ENG CN03SE
- 5) 03833 CNS COMPL FILE (ORIG)X CN01RC
- 6) 03945 M J WEBSTER CT01A
- 7) 04409 A J YOUNG EC050
- 8) 04446 M E HENSHAW EC08H
- 9) 04490 C T KIKER CT01A
- 10) 04552 L E HAYNES EC07F
- 11) 04771 E E HITE EC09E
- 12) 05181 S S COOPER CN02OP
- 13) 05304 CNS OWPM SCHEDULER CN02OP
- 14) 05309 R L EDMOND CT01A
- 15) 05323 K E NICHOLSON CN01RC

Duke Power Company DOCUMENT TRANSMITTAL FORM

REFERENCE

CATAWBA NUCLEAR STATION
SELECTED LICENSEE COMMITMENTS

Page 4 of 6

Date: 03/21/01

Document Transmittal #: DUK010800031

QA CONDITION ☐ Yes ☒ No

OTHER ACKNOWLEDGEMENT REQUIRED ☒ Yes

IF QA OR OTHER ACKNOWLEDGEMENT REQUIRED, PLEASE
ACKNOWLEDGE RECEIPT BY RETURNING THIS FORM TO:

Duke Power Company
4800 Concord Road
Document Management
CN04DM
York, South Carolina 29745

Rec'd By _____

Date _____

DOCUMENT NO	QA COND	REV #/ DATE	DISTR CODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	TOTAL
CHAPTER 16.7-3	NA	---- 03/13/01	CADM-03	V1	V10	V1	V1	X	V1	V1	V1	V1	V1	V1	V1	V1	V1	V1	99

REMARKS: PLEASE REFER TO ATTACHED MEMO FOR FILING INSTRUCTIONS.

G R PETERSON
VICE PRESIDENT
CATAWBA NUCLEAR SITE

BY:
T K PASOUR CN01RC TKP/TER

100A

EB



Duke Power
Catawba Nuclear Station
4800 Concord Road
York, SC 29745
(803) 831-3000

March 15, 2001

RE: Catawba Nuclear Station
Selected Licensee Commitments Manual
Revision Date 03/13/01

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

Page 2 dated 02/24/01

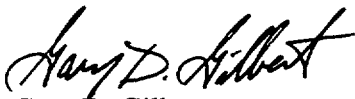
Page 2 dated 03/13/01

TAB 16.7

Chapter 16.7-3, pages 1-4 of 4
dated 01/17/00

Chapter 16.7-3, pages 1-5 of 5
dated 03/13/01

If you have any questions concerning the contents of this package update, contact Toni
Pasour at (803) 831-3566.


Gary D. Gilbert
Regulatory Compliance Manager

**CATAWBA NUCLEAR STATION
SELECTED LICENSEE COMMITMENTS MANUAL**

List of Effective Pages

Tab 16.6

16.6-1 Page 1 of 1	01/16/99
16.6-2 Page 1 of 2	01/16/99
16.6-2 Page 2 of 2	01/16/99
16.6-3 Page 1 of 2	01/16/99
16.6-3 Page 2 of 2	01/16/99
16.6-4 Page 1 of 2	01/16/99
16.6-4 Page 2 of 2	01/16/99
16.6-5 Page 1 of 2	09/11/00
16.6-5 Page 2 of 2	09/11/00

Tab 16.7

16.7-1 Page 1 of 2	05/04/98
16.7-1 Page 2 of 2	05/04/98
16.7-2 Page 1 of 4	01/16/99
16.7-2 Page 2 of 4	01/16/99
16.7-2 Page 3 of 4	01/16/99
16.7-2 Page 4 of 4	01/16/99
16.7-3 Page 1 of 5	03/13/01
16.7-3 Page 2 of 5	03/13/01
16.7-3 Page 3 of 5	03/13/01
16.7-3 Page 4 of 5	03/13/01
16.7-3 Page 5 of 5	03/13/01
16.7-4 Page 1 of 2	09/20/99
16.7-4 Page 2 of 2	09/20/99
16.7-5 Page 1 of 2	06/10/99
16.7-5 Page 2 of 2	05/04/98
16.7-6 Page 1 of 2	01/16/99
16.7-6 Page 2 of 2	01/16/99
16.7-7 Page 1 of 2	05/05/99
16.7-7 Page 2 of 2	01/16/99
16.7-8 Page 1 of 2	01/16/99
16.7-8 Page 2 of 2	05/05/99
16.7-9 Page 1 of 4	09/20/99
16.7-9 Page 2 of 4	09/20/99
16.7-9 Page 3 of 4	09/20/99
16.7-9 Page 4 of 4	09/20/99
16.7-10 Page 1 of 7	11/30/00
16.7-10 Page 2 of 7	11/30/00
16.7-10 Page 3 of 7	11/30/00
16.7-10 Page 4 of 7	11/30/00
16.7-10 Page 5 of 7	11/30/00
16.7-10 Page 6 of 7	11/30/00
16.7-10 Page 7 of 7	11/30/00
16.7-11 Page 1 of 2	02/24/01
16.7-11 Page 2 of 2	02/24/01
16.7-12 Page 1 of 2	01/16/99
16.7-12 Page 2 of 2	01/16/99

16.7 **INSTRUMENTATION**

16.7-3 **METEOROLOGICAL INSTRUMENTATION**

COMMITMENT:

- a. The meteorological monitoring instrumentation channels shown in Table 16.7-3A shall be OPERABLE.
- b. The meteorological monitoring instrumentation channels shown in Table 16.7-3C shall be maintained to ensure 90% data recovery on an annual basis.

APPLICABILITY:

At all times.

REMEDIAL ACTION:

- a. With one or more required meteorological monitoring channels inoperable for more than 7 days, prepare and submit a Special report to the Commission within the next 10 days outlining the cause of the malfunction and the plans for restoring the channel(s) to OPERABLE status.
- b. With one or more required meteorological monitoring channels having less than 90% annual data recovery, prepare and submit a Special Report to the Commission within 10 days of determining the missed requirement, outlining the cause of the deficiency and the plans for restoring the annual data recovery goals.

TESTING REQUIREMENTS:

- a. Each of the above meteorological monitoring instrumentation channels shall be demonstrated OPERABLE by the performance of a CHANNEL CHECK and Instrument Calibration at the frequencies shown in Table 16.7-3B.

REFERENCES:

N/A

BASES:

The OPERABILITY of the meteorological instrumentation ensures that sufficient meteorological data is available for estimating potential radiation doses to the public as a result of routine or accidental release of radioactive materials to the

BASES: (cont'd)

atmosphere. This capability is required to evaluate the need for initiating protective measures to protect the health and safety of the public and is consistent with the recommendations of Regulatory Guide 1.23, "Onsite Meteorological Programs," February 1972, for wind speed, wind direction, and air temperature at two elevations. Precipitation is not required by Regulatory Guide 1.23, Revision 0. However, it is monitored since it is used by the model for offsite dose assessment calculations.

The greater than or equal to 90% annual data recovery goal is to ensure that the meteorological instrumentation is maintained to minimize extended periods of instrument outage. The reporting cycle is a calendar year (January 1 through December 31). A 60-day period from the end of the calendar year is allowed for data reduction, validation, and data quality assurance, before the data recovery report is generated.

An Instrument Calibration will consist of the following test:

- 1) A bench based test, certification, and/or calibration of the tower mounted sensors for:
 - Wind Speed
 - Wind Direction
 - Ambient and Delta Temperature RTD's
- 2) An Instrument Loop Calibration from the input of the signal processors to the end devices.
- 3) For Wind Direction a Line Phase Differential Compensation will be performed, which includes the tower signal cable.
- 4) For Precipitation, a measured volume of water will be poured into the sensor and the signal conditioner module's output verified correct.
- 5) A CHANNEL CHECK, subsequent to any work performed. This will verify continuity of the signal cable between the sensor and signal processors.
- 6) The Wind Speed Sensors and cup-sets or Wind Direction Sensors and Vanes do not require wind tunnel testing as an assembly.
- 7) Replacement of cup-sets or vanes does not require an Instrument Calibration of the affected channel.

TABLE 16.7-3A

METEOROLOGICAL MONITORING INSTRUMENTATION

<u>INSTRUMENT</u>	<u>LOCATION</u>	<u>MINIMUM OPERABLE</u>
1. Wind Speed		
a. Meteorological Tower	Nominal Elev. 663.5 ft.	1
b. Meteorological Tower	Nominal Elev. 830.5 ft.	1
2. Wind Direction		
a. Meteorological Tower	Nominal Elev. 663.5 ft.	1
b. Meteorological Tower	Nominal Elev. 830.5 ft.	1
3. Air Temperature		
a. Ambient Meteorological Tower	Nominal Elev. 660.25 ft.	1
b. Δ - T Meteorological Tower	Nominal Elev. 827.25-660.25 ft.	1
4. Precipitation		
a. Precipitation Sensor Pad (Near Meteorological Tower)	Nominal Elev. 630.0 ft.	1

Note: Elevations are feet above Mean Sea Level
Item 4 is not required by Regulatory Guide 1.23, Revision 0

TABLE 16.7-3B

METEOROLOGICAL MONITORING INSTRUMENTATION
SURVEILLANCE REQUIREMENTS

<u>INSTRUMENT</u>	<u>CHANNEL CHECK</u>	<u>CHANNEL CALIBRATION</u>
1. Wind Speed		
a. Nominal Elev. 663.5 ft	D	SA
b. Nominal Elev. 830.5 ft.	D	SA
2. Wind Direction		
a. Nominal Elev. 663.5 ft	D	SA
b. Nominal Elev. 830.5 ft.	D	SA
3. Air Temperature		
a. Ambient Nominal Elev. 660.25 ft.	D	SA
b. Δ - T Nominal Elev. 827.25-660.25 ft.	D	SA
4. Precipitation		
a. Nominal Elev. 630.0 ft.	D	SA

Note: Elevations are feet above Mean Sea Level

TABLE 16.7-3C

**METEOROLOGICAL MONITORING INSTRUMENTATION DATA RECOVERY
REQUIREMENTS**

<u>INSTRUMENT</u>	<u>LOCATION</u>	<u>TYPE</u>
1. 60M Joint Data Recovery		Joint
a. Wind Speed	Nominal Elev. 830.5 ft.	
b. Wind Direction	Nominal Elev. 830.5 ft.	
c. Delta Temperature	Nominal Elev. 827.25 – 660.25 ft.	
2. 10M Joint Data Recovery	Nominal Elev. 663.5 ft.	Joint
a. Wind Speed	Nominal Elev. 663.5 ft.	
b. Wind Direction	Nominal Elev. 663.5 ft.	
c. Delta Temperature	Nominal Elev. 827.25 – 660.25 ft.	
3. Ambient Air Temperature	Nominal Elev. 660.25 ft.	Individual
4. Precipitation	Nominal Elev. 630.0 ft.	Individual

Note: Elevations are feet above Mean Sea Level