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REMARKS: PLEASE REFER TO THE ATTACHED MEMO FOR FILING INSTRUCTIONS

K HENDERSON
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CATAWBA NUCLEAR STATION

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DUKE ENERGY.

Catawba Nuclear Station

Duke Energy
4800 Concord Rd.
York, SC 29745

April 10, 2013

Re: Catawba Nuclear Station
Selected Licensee Commitments Manual
Revision Date: 10/24/2011

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

REMOVE THESE PAGES	INSERT THESE PAGES
LIST OF EFFECTIVE SECTIONS	
Pages 1 through 4 Revision 52	Pages 1 through 4 Revision 53
TAB 16.7	
SLC 16.7-3-1 through 16.7-3-6 Revision 2	SLC 16.7-3-1 through 16.7-3-6 Revision 3

If you have any questions concerning the contents of this package update, contact Kristi Byers at (803)701-3758.

Randy Hart
Manager, Regulatory Affairs

Attachment

LIST OF EFFECTIVE SECTIONS

SECTION	REVISION NUMBER	REVISION DATE
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16.1	1	08/27/08
16.2	2	08/21/09
16.3	1	08/21/09
16.5-1	2	02/20/12
16.5-2	Deleted	
16.5-3	1	02/20/04
16.5-4	0	10/09/02
16.5-5	1	01/28/10
16.5-6	1	08/21/09
16.5-7	0	10/09/02
16.5-8	2	12/22/08
16.5-9	1	02/20/12
16.5-10	Deleted	
16.6-1	0	10/09/02
16.6-2	Deleted	
16.6-3	1	08/21/09
16.6-4	1	08/21/09
16.6-5	1	08/21/09
16.7-1	1	08/21/09
16.7-2	4	02/03/11
16.7-3	3	10/24/11
16.7-4	2	08/21/09
16.7-5	2	08/21/09

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LIST OF EFFECTIVE SECTIONS

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16.9-17	0	10/09/02
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16.9-20	0	10/09/02
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16.11-1	0	10/09/02
16.11-2	3	06/23/10
16.11-3	0	10/09/02

LIST OF EFFECTIVE SECTIONS

SECTION	REVISION NUMBER	REVISION DATE
16.11-4	1	08/21/09
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16.11-7	6	10/24/11
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16.11-11	1	03/20/03
16.11-12	0	10/09/02
16.11-13	0	10/09/02
16.11-14	0	10/09/02
16.11-15	0	10/09/02
16.11-16	1	10/24/11
16.11-17	0	10/09/02
16.11-18	1	08/21/09
16.11-19	0	10/09/02
16.11-20	1	08/21/09
16.11-21	0	10/09/02
16.12-1	0	10/09/02
16.13-1	0	10/09/02
16.13-2	Deleted	
16.13-3	Deleted	
16.13-4	0	10/09/02

16.7 INSTRUMENTATION

16.7-3 Meteorological Instrumentation

COMMITMENT

a. The meteorological monitoring instrumentation channels shown in Table 16.7-3-1 shall be FUNCTIONAL.

AND

b. The meteorological monitoring instrumentation channels shown in Table 16.7-3-2 shall be maintained to ensure 90% data recovery on an annual basis.

APPLICABILITY: At all times.

REMEDIAL ACTIONS

CONDITION		REQUIRED ACTION		COMPLETION TIME
A.	One or more required meteorological monitoring channel(s) non-functional.	A.1	Restore non-functional channel(s) to FUNCTIONAL status.	7 days
		OR		
		A.2	Prepare and submit a Special Report to the Commission outlining the cause of the malfunction and the plans for restoring the channel(s) to FUNCTIONAL status.	17 days
B.	One or more required meteorological monitoring channel(s) having < 90% annual data recovery.	B.1	Prepare and submit a Special Report to the Commission outlining the cause of the deficiency and the plans for restoring the annual data recovery goals.	Within 10 days of determining the missed requirement

TESTING REQUIREMENTS

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

Refer to Table 16.7-3-1 to determine which TRs apply for each meteorological instrument.

TEST		FREQUENCY
TR 16.7-3-1	Perform CHANNEL CHECK.	24 hours
TR 16.7-3-2	Perform instrument calibration.	6 months

Table 16.7-3-1

Meteorological Monitoring Instrumentation

	INSTRUMENT AND LOCATION	REQUIRED CHANNELS	TESTING REQUIREMENTS
1.	Wind Speed		
1.a	Meteorological Tower Nominal Elev. 663.5'	1	TR 16.7-3-1 TR 16.7-3-2
1.b	Meteorological Tower Nominal Elev. 830.5'	1	TR 16.7-3-1 TR 16.7-3-2
2.	Wind Direction		
2.a	Meteorological Tower Nominal Elev. 663.5'	1	TR 16.7-3-1 TR 16.7-3-2
2.b	Meteorological Tower Nominal Elev. 830.5'	1	TR 16.7-3-1 TR 16.7-3-2
3.	Air Temperature		
3.a	Ambient Meteorological Tower Nominal Elev. 660.25'	1	TR 16.7-3-1 TR 16.7-3-2
3.b	Delta Temperature Meteorological Tower Nominal Elev. 827.25-660.25'	1	TR 16.7-3-1 TR 16.7-3-2
4.	Precipitation (1)		
4.a	Precipitation Sensor Pad (Near Meteorological Tower) Nominal Elev. 630.0'	1	TR 16.7-3-1 TR 16.7-3-2

(1) Not required by Regulatory Guide 1.23, Revision 0.

Table 16.7-3-2

Meteorological Monitoring Instrumentation Data Recovery Requirements

	INSTRUMENT AND LOCATION	TYPE
1.	60M Joint Data Recovery	Joint
1.a	Wind Speed Nominal Elev. 830.5'	
1.b	Wind Direction Nominal Elev. 830.5'	
1.c	Delta Temperature Nominal Elev. 827.25-660.25'	
2.	10M Joint Data Recovery	Joint
2.a	Wind Speed Nominal Elev. 663.5'	
2.b	Wind Direction Nominal Elev. 663.5'	
2.c	Delta Temperature Nominal Elev. 827.25-660.25'	
3.	Ambient Air Temperature Nominal Elev. 660.25'	Individual
4.	Precipitation Nominal Elev. 630.0'	Individual

BASES

The FUNCTIONALITY 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 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.

With respect to the control room chart recorder, the regulatory guide states:

Either analog (strip chart) or digital recording of data may be used as a basis for analysis. In lieu of providing redundant digital recorders, digital outputs may be supplemented by strip chart recorders to minimize possible loss of data due to instrument malfunction. Recorders (analog or digital) for wind direction and speed and temperature difference (two temperatures or one temperature difference measurement on a tower or mast) should be located in the reactor control room for use during plant operation.

Thus, the chart recorder in the control room is required in order to comply with the regulatory guide.

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 RTDs
2) An instrument loop calibration from the input of the signal processors to the end devices. The identification of an out-of-tolerance condition or failure of a component within the instrument loop renders the channel non-functional until the component is calibrated or repaired/replaced.
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.

BASES (continued)

7) Replacement of cup-sets or vanes does not require an instrument calibration of the affected channel.

The greater than or equal to 90% annual data recovery requirement 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.

The 90% data recovery is a statistical analysis of the respective data for the required parameters. This analysis includes out-of-service time resulting from components being in Condition A of this SLC and routine calibration/servicing time.

REFERENCES

1. Regulatory Guide 1.23, Revision 0.