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ONS-2015-110

10 CFR 50.71(e)

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October 29, 2015

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Subject: Duke Energy Carolinas, LLC  
Oconee Nuclear Station  
Docket Numbers 50-269, 50-270, and 50-287  
UFSAR/Selected Licensee Commitments Change

Pursuant to 10 CFR 50.71(e), please find attached the latest revision to the Oconee Nuclear Station Selected Licensee Commitments (SLC) Manual. The SLC Manual constitutes Chapter 16 of the Updated Final Safety Analysis Report (UFSAR).

Any questions regarding this information should be directed to Sandra Severance, Regulatory Affairs, at (864) 873-3466.

I certify that I am a duly authorized officer of Duke Energy Carolinas, LLC, and that the information contained herein accurately represents changes made to Chapter 16 of the UFSAR since the previous submittal. I declare under penalty of perjury that the foregoing is true and correct. Executed on October 29, 2015.

Sincerely,

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Oconee Nuclear Station

Attachment

A053  
NRR

U. S. Nuclear Regulatory Commission  
October 29, 2015  
Page 2

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Revised Oconee Nuclear Station SLC Manual Pages

SLC List of Effective Pages (LOEPs), Rev. 004	LOEP 1-4
SLC Table of Contents (TOC), Rev. 001	16.0 -1 thru 7
SLC 16.7.16, Spent Fuel Pool - Wide Range Level Instrumentation, Rev. 000	16.7.16-1 thru 3

Oconee Nuclear Station  
Selected Licensee Commitments Revised 10/14/15

List of Effective Pages

<u>Page</u>	<u>Revision Number</u>	<u>Implementation Date</u>
16.0	000	05/21/15
16.1	000	10/15/07
16.2	000	08/25/14
16.3	001	06/29/15
16.4	---	PENDING
16.5.1	000	11/26/12
16.5.2	000	11/15/12
16.5.3	000	02/21/07
16.5.4	000	11/15/12
16.5.5	---	Deleted 5/16/09
16.5.6	---	Deleted 02/10/14
16.5.7	000	12/13/06
16.5.8	000	01/31/07
16.5.8a	---	Deleted 5/19/05
16.5.9	000	11/15/12
16.5.10	000	10/08/03
16.5.11	000	01/31/00
16.5.12	000	03/27/99
16.5.13	000	03/27/99
16.6.1	000	07/23/12
16.6.2	000	01/31/07
16.6.3	000	11/15/12
16.6.4	000	11/15/12
16.6.5	000	12/14/00
16.6.6	000	11/15/12
16.6.7	000	03/27/99
16.6.8	000	03/27/99
16.6.9	000	11/15/12
16.6.10	000	11/15/12
16.6.11	000	11/15/12
16.6.12	000	11/15/12
16.6.13	000	03/31/08
16.6.14	000	04/21/14
16.6.15	000	11/15/12
16.7.1	000	11/15/12

Oconee Nuclear Station  
Selected Licensee Commitments Revised 10/14/15

List of Effective Pages

<u>Page</u>	<u>Revision Number</u>	<u>Implementation Date</u>
16.7.2	000	11/15/12
16.7.3	000	11/15/12
16.7.4	000	07/14/05
16.7.5	000	11/15/12
16.7.6	000	04/08/14
16.7.7	000	11/15/12
16.7.8	000	03/27/99
16.7.9	000	10/23/03
16.7.10	000	11/15/12
16.7.11	000	11/15/12
16.7.12	000	06/30/04
16.7.13	000	12/05/12
16.7.14	000	11/15/12
16.7.15	000	04/08/14
16.7.16	000	10/14/15
16.8.1	000	08/09/01
16.8.2	000	02/10/05
16.8.3	000	10/20/09
16.8.4	000	02/10/05
16.8.5	000	05/21/15
16.8.6	000	01/04/07
16.8.7	000	01/31/00
16.8.8	000	01/31/00
16.8.9	000	06/21/05
16.9.1	000	12/05/12
16.9.2	000	12/31/12
16.9.3	000	12/31/12
16.9.4	000	12/01/14
16.9.5	000	12/31/12
16.9.6	001	08/03/15
16.9.7	000	07/23/12
16.9.8	000	02/15/06
16.9.8a	000	02/07/05
16.9.9	000	01/30/15
16.9.9a	000	01/30/15

Oconee Nuclear Station  
 Selected Licensee Commitments Revised 10/14/15

List of Effective Pages

<u>Page</u>	<u>Revision Number</u>	<u>Implementation Date</u>
16.9.10	000	01/12/04
16.9.11	001	06/29/15
16.9.11a	000	10/20/14
16.9.12	001	09/21/15
16.9.13	000	01/31/07
16.9.14	000	10/28/04
16.9.15	000	03/27/99
16.9.16	000	10/15/14
16.9.17	000	05/23/01
16.9.18	000	07/15/14
16.9.19	000	03/31/05
16.9.20	000	05/28/14
16.9.21	000	07/09/09
16.9.22	000	06/13/14
16.9.23	pending	PENDING
16.9.24	pending	PENDING
16.10.1	000	11/15/12
16.10.2	000	12/02/03
16.10.3	000	03/27/99
16.10.4	000	11/15/12
16.10.5	---	Deleted 08/24/04
16.10.6	000	03/27/99
16.10.7	001	09/21/15
16.10.8	000	11/27/06
16.10.9	000	11/25/09
16.11.1	000	03/15/11
16.11.2	000	01/31/00
16.11.3	000	11/20/08
16.11.4	000	06/30/14
16.11.5	000	10/30/02
16.11.6	000	11/08/13
16.11.7	000	01/31/00
16.11.8	000	12/21/09
16.11.9	000	03/22/10
16.11.10	000	05/14/14

Oconee Nuclear Station  
Selected Licensee Commitments Revised 10/14/15

List of Effective Pages

<u>Page</u>	<u>Revision Number</u>	<u>Implementation Date</u>
16.11.11	000	03/27/99
16.11.12	000	04/10/03
16.11.13	000	03/27/99
16.11.14	000	03/27/99
16.12.1	000	03/27/99
16.12.2	000	05/03/07
16.12.3	000	05/01/03
16.12.4	000	03/27/99
16.12.5	000	03/27/99
16.12.6	000	11/08/07
16.13.1	000	10/06/14
16.13.2	000	12/15/04
16.13.3	000	12/15/04
16.13.4	000	03/27/99
16.13.5	---	Deleted 11/30/99
16.13.6	000	03/27/99
16.13.7	000	12/15/04
16.13.8	000	03/27/99
16.13.9	000	03/27/99
16.13.10	000	03/27/99
16.13.11	000	03/27/99
16.14.1	000	11/15/12
16.14.2	000	07/23/12
16.14.3	000	03/27/99
16.14.4	---	Deleted 03/15/11
16.14.4.a	000	03/15/11
16.15.1	000	04/12/06
16.15.2	000	11/15/12
16.15.3	000	11/15/12

Note: With the introduction of Fusion in June 2015, all controlled documents require a three-digit revision number. Thus, the revision numbers were set to "000" in the summer of 2015. As such, the revision dates for Revision 000 are based on the implementation dates for revisions in effect prior to this change.

## TABLE OF CONTENTS

<u>SECTION NO</u>	<u>TITLE</u>	<u>PAGE</u>
16.0	SELECTED LICENSEE COMMITMENTS	16.1-1
16.1	INTRODUCTION	16.1-1
16.2	APPLICABILITY	16.2-1
16.3	DEFINITIONS	16.3-1
16.4	COMMITMENTS RELATED TO REACTOR COMPONENTS	Pending
16.5	REACTOR COOLANT SYSTEM	16.5.1-1
16.5.1	Reactor Coolant System Vents	16.5.1-1
16.5.2	Low Temperature Overpressure Protection (LTOP) System	16.5.2.1
16.5.3	Loss of Decay Heat Removal	16.5.3-1
16.5.4	Reactor Coolant System (RCS) Boron Sampling	16.5.4-1
16.5.5	[DELETED]	16.5.5-1
16.5.6	[DELETED]	16.5.6-1
16.5.7	Chemistry Requirements	16.5.7-1
16.5.8	Pressurizer	16.5.8-1
16.5.8a	[DELETED]	16.5.8a-1
16.5.9	Testing Following Opening of System (Core Barrel Bolt Inspections)	16.5.9.1
16.5.10	Loss of Reactor Coolant	16.5.10-1
16.5.11	Subcriticality	16.5.11-1
16.5.12	RCS Leakage Testing Following Opening of System	16.5.12-1
16.5.13	High Pressure Injection and the Chemical Addition Systems	16.5.13-1
16.6	COMMITMENTS RELATED TO ENGINEERED SAFETY FEATURES (NON-ESF SYSTEMS)	16.6.1-1
16.6.1	Containment Leakage Tests	16.6.1-1
16.6.2	Reactor Building Post-Tensioning System	16.6.2-1
16.6.3	Containment Heat Removal Verification Frequency	16.6.3-1



TABLE OF CONTENTS (continued)

<u>SECTION NO</u>	<u>TITLE</u>	<u>PAGE</u>
16.6.4	Low Pressure Injection System Leakage	16.6.4-1
16.6.5	Core Flood Tank Discharge Valve Breakers	16.6.5-1
16.6.6	Core Flooding System Test	16.6.6-1
16.6.7	BWST Outlet Valve Control	16.6.7-1
16.6.8	LPI System Valve Test Restrictions	16.6.8-1
16.6.9	Containment Purge Valve Testing	16.6.9-1
16.6.10	Trisodium Phosphate (TSP)	16.6.10-1
16.6.11	Containment Debris Sources	16.6.11-1
16.6.12	Additional High Pressure Injection (HPI) Requirements	16.6.12-1
16.6.13	Additional Requirements to Support Low Pressure Injection (LPI) Operability	16.6.13-1
16.6.14	Control of HPI and LPI/RBS Pump Room Temperatures	16.6.14-1
16.6.15	High Pressure Injection (HPI) and Liquid Waste Disposal (LWD) Leakage	16.6.15-1
16.7	INSTRUMENTATION	16.7.1-1
16.7.1	Accident Monitoring Instrumentation	16.7.1-1
16.7.2	Anticipated Transient Without Scram	16.7.2-1
16.7.3	Emergency Feedwater System	16.7.3-1
16.7.4	Hydrogen Analyzers	16.7.4-1
16.7.5	Steam Generator Overfill Protection	16.7.5-1
16.7.6	Diverse Actuation Systems	16.7.6-1
16.7.7	Position Indicator Channels	16.7.7-1
16.7.8	Incore Instrumentation	16.7.8-1
16.7.9	RCP Monitor	16.7.9-1
16.7.10	Core Flood Tank Instrumentation	16.7.10-1
16.7.11	Display Instrumentation	16.7.11-1

TABLE OF CONTENTS (continued)

<u>SECTION NO</u>	<u>TITLE</u>	<u>PAGE</u>
16.7.12	SSF Diesel Generator (DG) Air Start System Pressure Instrumentation	16.7.12-1
16.7.13	SSF Instrumentation	16.7.13-1
16.7.14	Rod Withdrawal Alarm Limit	16.7.14-1
16.7.15	Engineered Safeguards Protective System (ESPS) Voter Trouble Alarm	16.7.15-1
16.7.16	Spent Fuel Pool - Wide Range Level Instrumentation	16.7.16-1
16.8	ELECTRIC POWER SYSTEMS	16.8.1-1
16.8.1	Control of Room Temperatures for Station Blackout	16.8.1-1
16.8.2	Additional Requirements to Support Keowee Hydro Unit (KHU) OPERABILITY	16.8.2-1
16.8.3	Power Battery Parameters	16.8.3-1
16.8.4	Keowee Operational Restrictions	16.8.4-1
16.8.5	[DELETED]	16.8.5-1
16.8.6	Lee/Central Alternate Power System	16.8.6-1
16.8.7	Auctioneering Diodes	16.8.7-1
16.8.8	External Grid Trouble Protection	16.8.8-1
16.8.9	Keowee Governor Speed Out Of Tolerance (OOT) Alarm	16.8.9-1
16.9	AUXILIARY SYSTEMS	16.9.1-1
16.9.1	Fire Suppression Water System	16.9.1-1
16.9.2	Sprinkler and Spray Systems	16.9.2-1
16.9.3	Keowee CO <sub>2</sub> Systems	16.9.3-1
16.9.4	Fire Hose Stations	16.9.4-1
16.9.5	Fire Barriers	16.9.5-1
16.9.6	Fire Detection Instrumentation	16.9.6-1
16.9.7	Keowee Lake Level	16.9.7-1
16.9.8	Control Room Ventilation System (CRVS) Booster Fans	16.9.8-1

TABLE OF CONTENTS (continued)

<u>SECTION NO</u>	<u>TITLE</u>	<u>PAGE</u>
16.9.8a	HPSW System Requirements to Support Loss of LPSW	16.9.8a-1
16.9.9	Protected Service Water (PSW) System	16.9.9-1
16.9.9a	Protected Service Water (PSW) Battery Cell Parameters	16.9.9a-1
16.9.10	Component Cooling and HPI Seal Injection to Reactor Coolant Pumps	16.9.10-1
16.9.11	Turbine Building Flood Protection Measures	16.9.11-1
16.9.11a	Auxiliary Building Flood Protection Measures	16.9.11a-1
16.9.12	Additional Low Pressure Service Water (LPSW) And Siphon Seal Water (SSW) System Operability Requirements	16.9.12-1
16.9.13	Spent Fuel Cooling System	16.9.13-1
16.9.14	SSF Diesel Generator (DG) Inspection Requirements	16.9.14-1
16.9.15	Radioactive Material Sources	16.9.15-1
16.9.16	Reactor Building Polar Crane and Auxiliary Hoist (RCS System Open)	16.9.16-1
16.9.17	Reactor Building Polar Crane (RCS at elevated temperature and pressure)	16.9.17-1
16.9.18	Snubbers	16.9.18-1
16.9.19	Gravity Induced Reverse Flow to Standby Shutdown Facility (SSF) Through a Unit 2 Condensate Cooler	16.9.19-1
16.9.20	Diesel Driven Service Air Compressors	16.9.20-1
16.9.21	Standby Shutdown Facility External Flood Protection	16.9.21-1
16.9.22	Protected Service Water System Unavailability	16.9.22-1
16.10	COMMITMENTS RELATED TO STEAM & POWER CONVERSION SYSTEMS	16.10.1-1
16.10.1	Local Start of Turbine Driven Emergency Feedwater (EFW) Pump	16.10.1-1
16.10.2	Steam Generator Secondary Side Pressure and Temperature (P/T) Limits	16.10.2-1
16.10.3	Emergency Feedwater (EFW) Pump and Valve Testing	16.10.3-1

TABLE OF CONTENTS (continued)

<u>SECTION NO</u>	<u>TITLE</u>	<u>PAGE</u>
16.10.4	Low Presssure Service Water System Testing	16.10.4-1
16.10.5	[DELETED]	16.10.5-1
16.10.6	Emergency Feedwater Controls	16.10.6-1
16.10.7	Alternate Source of Emergency Feedwater (EFW)	16.10.7-1
16.10.8	Upper Surge Tank (UST) Riser Branch Line Automatic Isolation Valves	16.10.8-1
16.10.9	Air Operated Valves (AOVs) Required to Support Standby Shutdown Facility (SSF) During Station Blackout (SBO)	16.10.9-1
16.11	RADIOLOGICAL EFFLUENTS CONTROL	16.11.1-1
16.11.1	Radioactive Liquid effluents	16.11.1-1
16.11.2	Radioactive Gaseous Effluents	16.11.2-1
16.11.3	Radioactive Effluent Monitoring Instrumentation	16.11.3-1
16.11.4	Operational Safety Review	16.11.4-1
16.11.5	Solid Radioactive Waste	16.11.5-1
16.11.6	Radiological Environmental Monitoring	16.11.6-1
16.11.7	Dose calculations	16.11.7-1
16.11.8	Reports	16.11.8-1
16.11.9	Radioactive effluent release report	16.11.9-1
16.11.10	Radiological Environmental Operating Reports	16.11.10-1
16.11.11	Iodine Radiation Monitoring Filters	16.11.11-1
16.11.12	Radioactive Material in Outside Temporary Tanks Exceeding Limit	16.11.12-1
16.11.13	Radioactive Material in Waste Gas Holdup Tank Exceeding Limit	16.11.13-1
16.11.14	Explosive Gas Mixture	16.11.14-1

TABLE OF CONTENTS (continued)

<u>SECTION NO</u>	<u>TITLE</u>	<u>PAGE</u>
16.12	REFUELING OPERATIONS	16.12.1-1
16.12.1	Decay Time for Movement of Irradiated Fuel	16.12.1-1
16.12.2	Area Radiation Monitoring for Fuel Loading and Refueling	16.12.2-1
16.12.3	Communication Between Control Room and Refueling Personnel	16.12.3-1
16.12.4	Handling of Irradiated Fuel Assemblies	16.12.4-1
16.12.5	Loads Suspended over Spent Fuel in Spent Fuel Pool	16.12.5-1
16.12.6	Fuel Damage During Fuel Handling Operations in Containment	16.12.6-1
16.13	CONDUCT OF OPERATION	16.13.1-1
16.13.1	Minimum Station Staffing Requirements	16.13.1-1
16.13.2	[DELETED]	16.13.2-1
16.13.3	[DELETED]	16.13.3-1
16.13.4	Reactivity Anomaly	16.13.4-1
16.13.5	Deleted	16.13.5-1
16.13.6	Retraining and Replacement of Station Personnel	16.13.6-1
16.13.7	Procedures for Control of Ph in Recirculated Coolant after Loss-of-coolant Accident & Long-term Emergency Core Cooling Systems	16.13.7-1
16.13.8	Respiratory Protective Program	16.13.8-1
16.13.9	Startup Report	16.13.9-1
16.13.10	Core Operating Limits Reports	16.13.10-1
16.13.11	Procedure for Station Survey Following an Earthquake	16.13.11-1
16.14	CONTROL RODS AND POWER DISTRIBUTION	16.14.1-1
16.14.1	APSR Movement	16.14.1-1
16.14.2	Control Rod Program Verification	16.14.2-1
16.14.3	Power Mapping	16.14.3-1

TABLE OF CONTENTS (continued)

<u>SECTION NO</u>	<u>TITLE</u>	<u>PAGE</u>
16.14.4	[DELETED]	16.14.4-1
16.14.4.a	Engineering Work Station	16.14.4.a-1
16.15	VENTILATION FILTER TESTING PROGRAM	16.15.1-1
16.15.1	[DELETED]	16.15.1-1
16.15.2	Control Room Pressurization and Filtering System	16.15.2-1
16.15.3	Spent Fuel Pool Ventilation System	16.15.3-1

16.7 INSTRUMENTATION

16.7.16 Spent Fuel Pool – Wide Range Level Instrumentation

COMMITMENT      Two Wide Range (WR) Spent Fuel Pool (SFP) Level Instrument Channels shall be FUNCTIONAL.

APPLICABILITY      Whenever irradiated fuel assemblies are stored in the Spent Fuel Pool.

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One required WR SFP level channel nonfunctional.	A.1 Restore channel to FUNCTIONAL status.	90 days
B. Required Action and associated Completion Time of Condition A not met.	B.1 Implement appropriate compensatory actions.	Immediately
C. TWO required WR SFP level channels nonfunctional.	C.1 Initiate actions to restore one channel to FUNCTIONAL status.	24 hours
	AND C.2 Implement appropriate compensatory actions.	72 hours

SURVEILLANCE REQUIREMENTS

SURVEILLANCE	FREQUENCY
SR 16.7.16.1 Perform CHANNEL CHECK for SFP WR level channels.	31 days
SR 16.7.16.2 Perform CHANNEL FUNCTIONAL TEST for SFP WR level channels.	<p style="text-align: center;">-----NOTE----- The provisions of SLC 16.2.7 do not apply. -----</p> <p>Within 60 days of a planned refueling outage +25%</p>

BASES

The Spent Fuel Pool (SFP) Wide Range (WR) level instrumentation is required by Reference 1. The actions and functional testing requirements are specified in Reference 2 which was endorsed by the NRC in Reference 3. The channel checks are required to ascertain FUNCTIONAL status in support of the required actions. Performance of the CHANNEL CHECK once every 31 days for each SFP WR Level channel ensures that a gross failure of the instrumentation has not occurred. The Frequency is based on operating experience that demonstrates channel failure is rare. Performance of the CHANNEL FUNCTIONAL TEST verifies channel readings are within expected tolerances; transmitter signal strength is within expected limits and verifies proper operation of the battery backup capability. The CHANNEL FUNCTIONAL TEST and associated Frequency is consistent with vendor recommendations and meets the requirements specified in Reference 2. As specified in Reference 2, channel calibration shall be consistent with vendor recommendations or other documented basis. The instrumentation function is to provide accessible and reliable SFP wide range level monitoring capability during a Beyond Design Bases External Event (BDBEE). A BDBEE could result in a prolonged loss of power and SFP cooling, and result in the loss of SFP inventory due to boiling. The level instrumentation provides remote (from SFP area) monitoring capability, in support of BDBEE mitigation efforts.



BASES (continued)

Compensatory actions for a single primary or back-up level channel out of service beyond 90 days could include one or more of the following:

- Increased surveillance (channel check) to verify functionality of the remaining level channel
- Implementation of equipment protection measures
- Increased operator visual surveillance of the SFP level and area
- Maintain elevated SFP level
- Reduce SFP temperature
- Supplemental operations staffing

Compensatory actions for both the primary and back-up level channels out of service could include one or more of the following:

- Increased operator visual surveillance of the SFP level and area
- Maintain elevated SFP level
- Reduce SFP temperature
- Supplemental operations staffing
- Pre-stage FLEX support equipment (nozzles, hoses, etc.) which are relied upon for SFP make-up. Pre-staged equipment would be located within Seismic Category I structures.

The listed compensatory actions are intended as examples of potential actions which could be considered (one or more), and are not intended to be a comprehensive listing.

REFERENCES:

1. NRC Order EA-12-051; Modify Licenses with Regard to Reliable Spent Fuel Pool Instrumentation
2. NEI 12-02, Rev. 1; Industry Guidance for Compliance with Order EA-12-051
3. JLD-ISG-2012-03; Compliance with Order EA-12-051, Reliable Spent Fuel Pool Instrumentation