



Steven M. Snider  
Vice President  
Oconee Nuclear Station

RA-21-0137

**Duke Energy**  
ON01VP | 7800 Rochester Hwy  
Seneca, SC 29672  
o 864.873.3478  
f 864.873.4208

Steve.Snider@duke-energy.com

April 28, 2021

10 CFR 50.54(q)  
10 CFR 72.44(f)

Attn: Document Control Desk  
U.S. Nuclear Regulatory Commission  
11555 Rockville Pike  
Rockville, Maryland 20852-2746

Subject: Duke Energy Carolinas, LLC  
Oconee Nuclear Station, Units 1, 2, and 3  
Docket Nos. 50-269, -270, and -287  
Emergency Plan Revision 2021-001

Pursuant to 10 CFR 50.54(q) and 10 CFR 72.44(f), Duke Energy is submitting the attached summary of changes to the Oconee Nuclear Station (ONS) Emergency Plan. The effective date for the changes is March 31, 2021.

This revision has been evaluated in accordance with 10 CFR 50.54(q) and it was determined that the change did not reduce the effectiveness of the ONS Emergency Plan. The revised ONS Emergency Plan continues to meet the requirements of Appendix E to 10 CFR 50 and the planning standards of 10 CFR 50.47(b).

If there are any questions or concerns pertaining to this revision please call Sheila Dalton, Manager Nuclear Support Services, at 864-873-3657.

Sincerely,

Steven M. Snider  
Site Vice President  
Oconee Nuclear Station

Attachment

ONS EPLAN CHANGE SUMMARY 2021-001

RA-21-0137  
April 28, 2021  
Page 2

cc: Ms. Laura Dudes  
Administrator, USNRC Region II  
Marquis One Tower  
245 Peachtree Center., NE Suite 1200  
Atlanta GA 30303-1257

Ms. Andrea Kock  
Director, Division of Fuel Management  
Office of Nuclear Material Safety and Safeguards  
U.S. Nuclear Regulatory Commission  
11555 Rockville Pike  
Rockville, MD 20852-2738

Mr. Shawn Williams  
Project Manager  
U.S. Nuclear Regulatory Commission  
11555 Rockville Pike  
Rockville, MD 20852-2738

Mr. Jared Nadel  
NRC Senior Resident Inspector  
Oconee Nuclear Station

#	E-Plan Section B Reference	Current (Existing) Text	Proposed (Change) Text																														
1	Footer	Rev. 2020-001 January 2020	Rev. 2021-001 March 2021																														
2	B.5.b.9	<p>8) <u>Operations and Craft Personnel</u> Additional Ops, Maintenance, RP and Chemistry personnel report to their associated supervisor in the OSC. Response activities involve their current job tasks.</p> <ul style="list-style-type: none"> <li>Participate with OSC Team dispatch and control</li> </ul> <p>9) <u>Generation Supply Chain Liaison</u> The Generation Supply Chain Liaison reports to the OSC Manager. Key responsibilities include:</p> <ul style="list-style-type: none"> <li>Develop requests and coordinate external assistance (technical, craft, administrative, etc.)</li> <li>Arrange for equipment and supply resources</li> <li>Arrange for logistics support</li> <li>Prepare for facility activation (rooms, work area, equipment, etc.)</li> <li>Participate with OSC Team dispatch and control</li> <li>Serve as primary point of contact for SAFER and FLEX support</li> </ul> <p>B.5.c. <u>Emergency Operations Facility (EOF)</u></p>	<p>8) <u>Operations and Craft Personnel</u> Additional Ops, Maintenance, RP and Chemistry personnel report to their associated supervisor in the OSC. Response activities involve their current job tasks.</p> <ul style="list-style-type: none"> <li>Participate with OSC Team dispatch and control</li> </ul> <p>B.5.c. <u>Emergency Operations Facility (EOF)</u></p> <p><i>Removed step "9 Generation Supply Chain Liaison", added change bar</i></p>																														
3	B.9	<p>B.9. <u>Local Agency Support</u> Agreements with local agency support groups have been made to assist the Oconee Nuclear Site during emergency situations.</p> <p><u>POLICE</u> -</p> <ul style="list-style-type: none"> <li>Oconee Sheriff's Department</li> <li>Pickens Sheriff's Department</li> <li>State of South Carolina - S. C. Highway Patrol</li> <li>S. C. Law Enforcement Division</li> </ul> <p><u>AMBULANCE</u> -</p> <ul style="list-style-type: none"> <li>Oconee Memorial Hospital - Emergency Medical Services</li> </ul> <p><u>MEDICAL</u> -</p> <ul style="list-style-type: none"> <li>Oconee Memorial Hospital - Prisma Health System</li> </ul> <p>B-20</p> <p style="text-align: right;">Rev. 2020-001 January 2020</p>	<p>B.9. <u>Local Agency Support</u> Agreements with local agency support groups have been made to assist the Oconee Nuclear Site during emergency situations.</p> <p><u>POLICE</u> -</p> <ul style="list-style-type: none"> <li>Oconee Sheriff's Department</li> <li>Pickens Sheriff's Department</li> <li>State of South Carolina - S. C. Highway Patrol</li> <li>S. C. Law Enforcement Division</li> </ul> <p><u>AMBULANCE</u> -</p> <ul style="list-style-type: none"> <li>Oconee Memorial Hospital - Emergency Medical Services</li> </ul> <p><u>MEDICAL</u> -</p> <ul style="list-style-type: none"> <li>Oconee Memorial Hospital - Prisma Health System</li> </ul> <p>B-20</p> <p style="text-align: right;">Rev. 2021-001 March 2021</p> <p><i>Removed change bar from last line</i></p>																														
4	Table B-1b	<table border="1"> <tr> <td rowspan="4">Repair and Corrective Actions</td> <td>Generation Supply Chain Liaison (OSC)</td> <td></td> <td></td> <td>1</td> </tr> <tr> <td>IAE Technician (OSC)</td> <td></td> <td>2</td> <td></td> </tr> <tr> <td>Mechanical Technician (OSC)</td> <td></td> <td>1</td> <td></td> </tr> <tr> <td>Rad Waste Operator (OSC)</td> <td></td> <td>1</td> <td></td> </tr> </table>	Repair and Corrective Actions	Generation Supply Chain Liaison (OSC)			1	IAE Technician (OSC)		2		Mechanical Technician (OSC)		1		Rad Waste Operator (OSC)		1		<table border="1"> <tr> <td rowspan="3">Repair and Corrective Actions</td> <td>IAE Technician (OSC)</td> <td></td> <td>2</td> <td></td> </tr> <tr> <td>Mechanical Technician (OSC)</td> <td></td> <td>1</td> <td></td> </tr> <tr> <td>Rad Waste Operator (OSC)</td> <td></td> <td>1</td> <td></td> </tr> </table> <p><i>Removed "Generation Supply Chain Liaison (OSC)", added change bar</i></p>	Repair and Corrective Actions	IAE Technician (OSC)		2		Mechanical Technician (OSC)		1		Rad Waste Operator (OSC)		1	
Repair and Corrective Actions	Generation Supply Chain Liaison (OSC)				1																												
	IAE Technician (OSC)			2																													
	Mechanical Technician (OSC)			1																													
	Rad Waste Operator (OSC)		1																														
Repair and Corrective Actions	IAE Technician (OSC)		2																														
	Mechanical Technician (OSC)		1																														
	Rad Waste Operator (OSC)		1																														
5	Table B-1b	<table border="1"> <tr> <td>2</td> <td>28</td> <td>34</td> </tr> </table>	2	28	34	<table border="1"> <tr> <td>2</td> <td>28</td> <td>31</td> </tr> </table> <p><i>Changed "34" to "31", added change bar</i></p>	2	28	31																								
2	28	34																															
2	28	31																															
6	Figure B-2	<pre> graph TD     OSCManager[OSC Manager 75 min] --- AssistantOSCManager[Assistant OSC Manager]     OSCManager --- LogKeeper[Log Keeper]     AssistantOSCManager --- OperationsSupervisor[Operations Supervisor]     AssistantOSCManager --- RPSupervisor[RP Supervisor]     AssistantOSCManager --- GenerationSupplyChainLiaison[Generation Supply Chain Liaison]     </pre>	<pre> graph TD     OSCManager[OSC Manager 75 min] --- AssistantOSCManager[Assistant OSC Manager]     OSCManager --- LogKeeper[Log Keeper]     AssistantOSCManager --- OperationsSupervisor[Operations Supervisor]     AssistantOSCManager --- RPSupervisor[RP Supervisor]     </pre> <p><i>Removed "Generation Supply Chain" block, added change bar</i></p>																														

	E-Plan Section H Reference	Current (Existing) Text	Proposed (Change) Text
7	Footer	Rev. 2020-001 January 2020	Rev. 2021-001 March 2021
8	H.1.b	<p>H.1.b <u>Operations Support Center (OSC)(Figure H-2)</u></p> <p>An <u>Operations Support Center</u> has been established in the Operations Center located in the Unit 3 Control Room. Personnel assigned to this support center will include the following:</p> <ul style="list-style-type: none"> <li>• Work Control</li> <li>• Chemistry</li> <li>• Radiation Protection</li> <li>• Maintenance</li> <li>• Operations</li> <li>• Engineering</li> <li>• Generation Supply Chain</li> <li>• Security</li> </ul> <p>The <u>Operations Support Center</u> has shielding and ventilation to the same degree as the Control Room. Breathing equipment and protective clothing are available in the <u>Operations Support Center</u> should any craftsman/technician be required to perform a task or function in an area that would require protective clothing and breathing apparatus.</p>	<p>H.1.b <u>Operations Support Center (OSC)(Figure H-2)</u></p> <p>An <u>Operations Support Center</u> has been established in the Operations Center located in the Unit 3 Control Room. Personnel assigned to this support center will include the following:</p> <ul style="list-style-type: none"> <li>• Work Control</li> <li>• Chemistry</li> <li>• Radiation Protection</li> <li>• Maintenance</li> <li>• Operations</li> <li>• Engineering</li> <li>• Security</li> </ul> <p>The <u>Operations Support Center</u> has shielding and ventilation to the same degree as the Control Room. Breathing equipment and protective clothing are available in the <u>Operations Support Center</u> should any craftsman/technician be required to perform a task or function in an area that would require protective clothing and breathing apparatus.</p> <p><i>Removed "Generation Supply Chain", added change bar</i></p>
9	H.4	<p>H.4 <u>Activation and Staffing of the Emergency Response Organization</u></p> <p>Activation and staffing of the Emergency Response Organization will be in accordance with the emergency action levels and the procedures developed for determining emergency response.</p> <p>Division Section Directives describe the Emergency Response Organization. Figure A-2A depicts the procedure for recall of the Emergency Organization.</p>	<p>H.4 <u>Activation and Staffing of the Emergency Response Organization</u></p> <p>Activation and staffing of the Emergency Response Organization will be in accordance with the emergency action levels and the procedures developed for determining emergency response.</p> <p>Division Section Directives describe the Emergency Response Organization. Figure A-2A depicts the procedure for recall of the Emergency Organization.</p> <p><i>Removed change bar</i></p>
10	H.11	<p>H.11 <u>Identification of Emergency Kits</u></p> <p>Emergency kits are located in various locations. See figures below and procedure for specific locations.</p> <p>Protective Equipment Kits - Figures H-13, H-14, H-17          Communications Equipment - Figures H-12, H-16          Radiological Monitoring Equipment - Figures H-12, H-16, H-17          Emergency Supplies - Figures H-16, Figure H-17          Emergency Medical Supplies - L.2, L.4          Decontamination Supplies - K-3          Spill Cleanup Equipment/Supplies - H-19</p>	<p>H.11 <u>Identification of Emergency Kits</u></p> <p>Emergency kits are located in various locations. See figures below and procedure for specific locations.</p> <p>Protective Equipment Kits - Figures H-13, H-14, H-17          Communications Equipment - Figures H-12, H-16          Radiological Monitoring Equipment - Figures H-12, H-16, H-17          Emergency Supplies - Figures H-16, Figure H-17          Emergency Medical Supplies - L.2, L.4          Decontamination Supplies - K-3          Spill Cleanup Equipment/Supplies - H-19</p> <p><i>Removed change bar</i></p>

11	Figure H-2	<table border="1"> <tr><td>J.</td><td>Generation Supply Chain</td></tr> <tr><td>K.</td><td></td></tr> <tr><td>L.</td><td></td></tr> <tr><td>M.</td><td></td></tr> <tr><td>N.</td><td>Asst OSC Manager</td></tr> <tr><td>O.</td><td></td></tr> <tr><td>P.</td><td>RP Shift</td></tr> <tr><td>Q.</td><td></td></tr> <tr><td>R.</td><td></td></tr> </table>	J.	Generation Supply Chain	K.		L.		M.		N.	Asst OSC Manager	O.		P.	RP Shift	Q.		R.		<table border="1"> <tr><td>J.</td><td></td></tr> <tr><td>K.</td><td></td></tr> <tr><td>L.</td><td></td></tr> <tr><td>M.</td><td></td></tr> <tr><td>N.</td><td>Asst OSC Manager</td></tr> <tr><td>O.</td><td></td></tr> <tr><td>P.</td><td>RP Shift</td></tr> <tr><td>Q.</td><td></td></tr> <tr><td>R.</td><td></td></tr> </table> <p>Removed from J "Generation Supply Chain", added change bar</p>	J.		K.		L.		M.		N.	Asst OSC Manager	O.		P.	RP Shift	Q.		R.	
J.	Generation Supply Chain																																						
K.																																							
L.																																							
M.																																							
N.	Asst OSC Manager																																						
O.																																							
P.	RP Shift																																						
Q.																																							
R.																																							
J.																																							
K.																																							
L.																																							
M.																																							
N.	Asst OSC Manager																																						
O.																																							
P.	RP Shift																																						
Q.																																							
R.																																							