

McGuire Nuclear Station
List of Committed Actions to be Implemented for License Renewal

Item	Commitment	UFSAR Section	Implementation Schedule	Source
1.	<p>(a) Complete the Alloy 600 Aging Management review.</p> <p>(b) Submit the results of the review for the pressurizer surge and spray nozzle thermal sleeve attachment welds.</p> <p>(c) The summary aging management program descriptions contained in this UFSAR will be updated as necessary to reflect any new or revised commitments made by Duke in response to the staff generic communications that results from the Davis-Besse event in March 2002.</p> <p>(d) The results of this review will be incorporated into the unit specific inservice inspection (ISI) plan for the ISI intervals during the period of extended operation.</p>	18.2.1	<p>(a) Following issuance of the renewed operating licenses for McGuire Nuclear Station and by June 12, 2021.</p> <p>(b) Following issuance of the renewed operating licenses for McGuire Nuclear Station and by June 12, 2021.</p> <p>(c) As necessary</p> <p>(d) Prior to the respective ISI interval</p>	Application B.3.1; Duke letters dated 10/28/2002 (response to New Open Item 3.1.3.2.2-2) and 11/21/2002 (Item 3)
2.	Complete the Borated Water Systems Stainless Steel Inspection.	18.2.2	Following issuance of the renewed operating licenses for McGuire Nuclear Station and by June 12, 2021.	Application B.3.4

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Item	Commitment	UFSAR Section	Implementation Schedule	Source
3.	<p>(a) Implement the Control Rod Drive Mechanism Nozzle and Other Vessel Closure Penetrations Inspection Program.</p> <p>(b) Update UFSAR summary description of this program to reflect any new or revised commitments made by Duke in response to the staff generic communications that result from the Davis-Besse event in March 2002.</p>	18.2.6	<p>(a) Following issuance of the renewed operating licenses for McGuire Nuclear Station and by June 12, 2021.</p> <p>(b) As necessary</p>	Application B.3.9; Duke letter dated 10/28/2002 (response to New Open Item 3.1.3.2.2-2)
4.	Implement enhancements to the Fire Protection Program to provide surveillances for sprinkler branch lines, main fire pump strainer, jockey pump strainer, tank and connected piping, and turbine building manual hose stations.	18.2.8	Following issuance of the renewed operating licenses for McGuire Nuclear Station and by June 12, 2021.	Application B.3.12; Duke letters dated 03/15/2002 (Commitment #8), 10/28/2002 (response to Open Items 2.3.3.19-2 & 2.3.3.19-5), and 11/18/2002 response to (Open Item 2.3.3.19-4)
5.	Complete the Galvanic Susceptibility Inspection.	18.2.12	Following issuance of the renewed operating licenses for McGuire Nuclear Station and by June 12, 2021.	Application B.3.16; Duke letter dated 03/15/2002 (Commitment #10)

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6.	Implement enhancements to the Heat Exchanger Preventive Maintenance Activities to provide surveillances for pump motor air handling units and pump oil coolers.	18.2.13	Following issuance of the renewed operating licenses for McGuire Nuclear Station and by June 12, 2021.	Application B.3.17; Duke letter dated 10/28/2002 (Duke identified Mechanical Item 09/18/2002)
7.	Implement the Inaccessible Non-EQ Medium Voltage Cables Aging Management Program.	18.2.15	Following issuance of the renewed operating licenses for McGuire Nuclear Station and by June 12, 2021.	Application B.3.19; Duke letters dated 10/02/2002 (Confirmatory Item 3.6.2-1) and 11/05/2002 (Attachment 1)
8.	Implement enhancements to the Inservice Inspection Plan to provide surveillances for the Unit 1 cold leg elbow and small bore piping.	18.2.16	<p>Evaluation of the Unit 1 cold leg elbow will be completed following issuance of the renewed operating licenses for McGuire Nuclear Station and by June 12, 2021.</p> <p>Small bore piping examinations will be performed during each inservice inspection interval during the period of extended operation following issuance of the renewed operating licenses for McGuire.</p>	Application B.3.20; Duke letters dated 04/15/2002 (Commitment #1) and 11/14/2002 (response to New Open Item 3.0.3.10.2-1)

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9.	Implement enhancements to the Inspection Program for Civil Engineering Structures and Components to provide surveillances for exposed external surfaces of mechanical components.	18.2.17	Following issuance of the renewed operating licenses for McGuire Nuclear Station and by June 12, 2021.	Application B.3.21; Duke letter dated 10/02/2002 (response to Open Item 3.0.3.11.3-1)
10.	Complete the Liquid Waste System Inspection.	18.2.18	Following issuance of the renewed operating licenses for McGuire Nuclear Station and by June 12, 2021.	Application B.3.22
11.	Complete the future modification to the Thermal Fatigue Management Program for environmentally assisted fatigue.	5.2.1	Prior to the end of the 40 th year of each unit's operation.	Application 4.3; Duke letter dated 10/02/2002 (response to Open Item 4.3-4)
12.	Implement the Non-EQ Insulated Cables and Connections Aging Management Program.	18.2.19	Following issuance of the renewed operating licenses for McGuire Nuclear Station and by June 12, 2021.	Application B.3.23; Duke letter dated 10/02/2002 (response to SER Confirmatory Item 3.6.1.1)
13.	(a) Complete the Pressurizer Spray Head Examination on McGuire Unit 1. (b) If necessary, complete the Pressurizer Spray Head Examination on Unit 2.	18.2.20	(a) Following issuance of the renewed operating licenses for McGuire Nuclear Station and by June 12, 2021. (b) Following issuance of the renewed operating licenses for McGuire Nuclear Station and by March 3, 2023.	Duke letters dated 04/15/2002 (response to RAI 2.3.2.7-1) and 10/28/2002 (response to Open Item 3.1.2.2.2-1)

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14.	<p>(a) Implement the Reactor Vessel Internals Inspection.</p> <p>(b) For items comprised of plates, forgings, and welds critical crack size will be determined by analysis and submitted for review and approval to the NRC.</p> <p>(c) For items fabricated from CASS, critical crack size will be determined by analysis. Acceptance criteria for all aging effects will be developed and submitted for review and approval to the NRC.</p>	18.2.23	<p>(a) McGuire Unit 1 will be inspected in the fifth inservice inspection interval; McGuire Unit 2 will be inspected early in the sixth inservice inspection interval.</p> <p>(b) Prior to the respective inspection.</p> <p>(c) Prior to the respective inspection.</p>	Application B.3.27; Duke letter dated 10/28/2002 (response to New Open Items 3.1.4-1(a), (b), and (c))
15.	Complete the Selective Leaching Inspection.	18.2.24	Following issuance of the renewed operating licenses for McGuire Nuclear Station and by June 12, 2021.	Application B.3.28
16.	Complete the Sump Pump Systems Inspection.	18.2.26	Following issuance of the renewed operating licenses for McGuire Nuclear Station and by June 12, 2021.	Application B.3.32
17.	Complete the Treated Water Systems Stainless Steel Inspection.	18.2.27	Following issuance of the renewed operating licenses for McGuire Nuclear Station and by June 12, 2021.	Application B.3.34

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18.	Complete the Ventilation Area Pressure Boundary Sealants Inspection.	18.2.29	Following issuance of the renewed operating licenses for McGuire Nuclear Station and by June 12, 2021.	Duke letters dated 10/28/2002 (response to Open Item 2.3-3) and 11/14/2002 (response to Open Item 2.3-3)
19.	Complete the Waste Gas System Inspection.	18.2.30	Following issuance of the renewed operating licenses for McGuire Nuclear Station and by June 12, 2021.	Application B.3.36
20.	Complete the visual inspections of the interior surfaces of Auxiliary Feedwater System and Main Feedwater System components.	18.3.3	Following issuance of the renewed operating licenses for McGuire Nuclear Station and by June 12, 2021.	Duke letter dated 10/28/2002 (response to New Open Item 3.4.1.2.2-1)
21.	Implement the final version of the fuse holder interim staff guidance as provided to Duke by an NRC letter.	18.3.4	Following issuance of the renewed operating licenses for McGuire Nuclear Station and by June 12, 2021.	Duke letter dated 11/18/2002 (response to Item #1)

Catawba Nuclear Station
List of Committed Actions to be Implemented for License Renewal

Item	Commitment	UFSAR Section	Implementation Schedule	Source
1.	<p>(a) Complete the Alloy 600 Aging Management review.</p> <p>(b) Submit the results of the review for the pressurizer surge and spray nozzle thermal sleeve attachment welds.</p> <p>(c) The summary aging management program descriptions contained in this UFSAR will be updated as necessary to reflect any new or revised commitments made by Duke in response to the staff generic communications that results from the Davis-Besse event in March 2002.</p> <p>(d) The results of this review will be incorporated into the unit specific inservice inspection (ISI) plan for the ISI intervals during the period of extended operation.</p>	18.2.1	<p>(a) Following issuance of the renewed operating licenses for Catawba Nuclear Station and by December 6, 2024.</p> <p>(b) Following issuance of the renewed operating licenses for Catawba Nuclear Station and by December 6, 2024.</p> <p>(c) As necessary</p> <p>(d) Prior to the respective ISI interval</p>	Application B.3.1; Duke letters dated 10/28/2002 (response to New Open Item 3.1.3.2.2-2) and 11/21/2002 (Item 3)
2.	Complete the Borated Water Systems Stainless Steel Inspection.	18.2.2	Following issuance of the renewed operating licenses for Catawba Nuclear Station and by December 6, 2024.	Application B.3.4

Catawba Nuclear Station
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Item	Commitment	UFSAR Section	Implementation Schedule	Source
3.	<p>(a) Implement the Control Rod Drive Mechanism Nozzle and Other Vessel Closure Penetrations Inspection Program.</p> <p>(b) Update UFSAR summary description of this program to reflect any new or revised commitments made by Duke in response to the staff generic communications that result from the Davis-Besse event in March 2002.</p>	18.2.6	<p>(a) Following issuance of the renewed operating licenses for Catawba Nuclear Station and by December 6, 2024.</p> <p>(b) As necessary</p>	Application B.3.9; Duke letter dated 10/28/2002 (response to New Open Item 3.1.3.2.2-2)
4.	Implement enhancements to the Fire Protection Program to provide surveillances for sprinkler branch lines, main fire pump strainer, jockey pump strainer, tank and connected piping, and turbine building manual hose stations.	18.2.8	Following issuance of the renewed operating licenses for Catawba Nuclear Station and by December 6, 2024.	Application B.3.12; Duke letters dated 03/15/2002 (Commitment #9), 10/28/2002 (response to Open Items 2.3.3.19-2 & 2.3.3.19-5), and 11/18/2002 response to (Open Item 2.3.3.19-4)
5.	Complete the Galvanic Susceptibility Inspection.	18.2.11	Following issuance of the renewed operating licenses for Catawba Nuclear Station and by December 6, 2024.	Application B.3.16; Duke letter dated 03/15/2002 (Commitment #10)

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6.	Implement the Inaccessible Non-EQ Medium Voltage Cables Aging Management Program.	18.2.14	Following issuance of the renewed operating licenses for Catawba Nuclear Station and by December 6, 2024.	Application B.3.19; Duke letters dated 10/02/2002 (Confirmatory Item 3.6.2-1) and 11/05/2002 (Attachment 1)
7.	Implement enhancements to the Inservice Inspection Plan to provide surveillances for small bore piping.	18.2.15	During each inservice inspection interval during the period of extended operation following issuance of the renewed operating licenses for Catawba.	Application B.3.20; Duke letters dated 04/15/2002 (Commitment #1) and 11/14/2002 (response to New Open Item 3.0.3.10.2-1)
8.	Implement enhancements to the Inspection Program for Civil Engineering Structures and Components to provide surveillances for exposed external surfaces of mechanical components.	18.2.16	Following issuance of the renewed operating licenses for Catawba Nuclear Station and by December 6, 2024.	Application B.3.21; Duke letter dated 10/02/2002 (response to Open Item 3.0.3.11.3-1)
9.	Complete the Liquid Waste System Inspection.	18.2.17	Following issuance of the renewed operating licenses for Catawba Nuclear Station and by December 6, 2024.	Application B.3.22
10.	Complete the future modification to the Thermal Fatigue Management Program for environmentally assisted fatigue.	3.9.1	Following issuance of the renewed operating licenses for Catawba Nuclear Station and by December 6, 2024.	Application 4.3; Duke letter dated 10/02/2002 (response to Open Item 4.3-4)

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Item	Commitment	UFSAR Section	Implementation Schedule	Source
11.	Implement the Non-EQ Insulated Cables and Connections Aging Management Program.	18.2.18	Following issuance of the renewed operating licenses for Catawba Nuclear Station and by December 6, 2024.	Application B.3.23; Duke letter dated 10/02/2002 (response to SER Confirmatory Item 3.6.1.1)
12.	If necessary following the results of the McGuire Unit 1 examination, complete the Pressurizer Spray Head Examination.	18.2.19	Following issuance of the renewed operating licenses for Catawba Nuclear Station and by December 6, 2024 for Catawba Unit 1 and February 24, 2026 for Catawba Unit 2.	Duke letters dated 04/15/2002 (response to RAI 2.3.2.7-1) and 10/28/2002 (response to Open Item 3.1.2.2.2-1)
13.	Complete the Condenser Circulating Water Pump Expansion Joint Inspection.	18.2.20.2	Following issuance of the renewed operating licenses for Catawba Nuclear Station and by December 6, 2024.	Duke letter dated 11/14/2002 (response to New Open Item 3.3.6.2.1-1)
14.	Implement the Reactor Vessel Internals Inspection.	18.2.22	The decision to perform inspections on Catawba Unit 1 and Catawba Unit 2 will depend on an evaluation of the internals inspections performed on McGuire Units 1 and 2.	Application B.3.27; Duke letter dated 10/28/2002 (response to New Open Items 3.1.4-1(a), (b), and (c))
15.	Complete the Selective Leaching Inspection.	18.2.23	Following issuance of the renewed operating licenses for Catawba Nuclear Station and by December 6, 2024.	Application B.3.28

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Item	Commitment	UFSAR Section	Implementation Schedule	Source
16.	Complete the Sump Pump Systems Inspection.	18.2.25	Following issuance of the renewed operating licenses for Catawba Nuclear Station and by December 6, 2024.	Application B.3.32
17.	Complete the Treated Water Systems Stainless Steel Inspection.	18.2.26	Following issuance of the renewed operating licenses for Catawba Nuclear Station and by December 6, 2024.	Application B.3.34
18.	Complete the Ventilation Area Pressure Boundary Sealants Inspection.	18.2.28	Following issuance of the renewed operating licenses for Catawba Nuclear Station and by December 6, 2024.	Duke letters dated 10/28/2002 (response to Open Item 2.3-3) and 11/14/2002 (response to Open Item 2.3-3)
19.	Complete the Waste Gas System Inspection.	18.2.29	Following issuance of the renewed operating licenses for Catawba Nuclear Station and by December 6, 2024.	Application B.3.36
20.	Complete the visual inspections of the interior surfaces of Auxiliary Feedwater System and Main Feedwater System components.	18.3.3	Following issuance of the renewed operating licenses for Catawba Nuclear Station and by December 6, 2024.	Duke letter dated 10/28/2002 (response to New Open Item 3.4.1.2.2-1)
21.	Implement the final version of the fuse holder interim staff guidance as provided to Duke by an NRC letter.	18.3.4	Following issuance of the renewed operating licenses for Catawba Nuclear Station and by December 6, 2024.	Duke letter dated 11/18/2002 (response to Item #1)