



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II
245 PEACHTREE CENTER AVENUE N.E., SUITE 1200
ATLANTA, GEORGIA 30303-1200

August 20, 2025

Edward Pigott
Site Vice President
McGuire Nuclear Station
Duke Energy Carolinas, LLC
12700 Hagers Ferry Road
Huntersville, NC 28078

SUBJECT: UPDATED INSPECTION PLAN FOR MCGUIRE NUCLEAR STATION UNITS 1
AND 2 (REPORT 05000369/2025005 AND 05000370/2025005)

Dear Edward Pigott:

The enclosed inspection plan lists the inspections scheduled through June 30, 2027, for McGuire Nuclear Station. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last twelve months of the inspection plan are tentative and may be revised. As discussed in SECY-25-0045, "Recommendations for Revising the Reactor Oversight Process," dated June 5, 2025 ([ML25042A278](#)), the NRC determined that a broad, comprehensive review of the ROP is necessary to reflect improvements in industry performance and advancements in technology. The outcome of the comprehensive review and recommendations to revise the ROP baseline inspection program, when approved by the NRC Commission, will require a revision to this inspection plan. The NRC will contact you as soon as possible to discuss any revisions after the new baseline inspection program is implemented.

This letter and its enclosure will be made available for public inspection and copying at [ADAMS Public Documents | NRC.gov](#) and at the NRC Public Document Room in accordance with Title 10 of the *Code of Federal Regulations* 2.390, "Public Inspections, Exemptions, Requests for Withholding."

Please contact me with any questions you have regarding this letter.

Sincerely,

A handwritten signature in black ink, appearing to read "R. Williams Jr.", written over a light blue horizontal line.

Signed by Williams, Robert
on 08/20/25

Robert E. Williams Jr., Chief
Projects Branch 1
Division of Operating Reactor Safety

Docket Nos. 05000369, 05000370 and 07200038
License Nos. NPF-9 and NPF-17

Enclosure:
Inspection Plan

Cc Distribution: via ListServ

SUBJECT: UPDATED INSPECTION PLAN FOR MCGUIRE NUCLEAR STATION UNITS 1 AND 2 (REPORT 05000369/2024005 AND 05000370/2024005). AUGUST 20, 2025.

DISTRIBUTION:

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ADAMS ACCESSION NUMBER: ML25232A099

x SUNSI Review		x Non-Sensitive <input type="checkbox"/> Sensitive			x Publicly Available <input type="checkbox"/> Non-Publicly Available	
OFFICE	RII:DORS	RII:DORS				
NAME	D. Jackson	R. Williams				
DATE	08/20/2025	08/20/2025				

OFFICIAL RECORD COPY

Site Inspection Activity Plan

McGuire

09/01/2025 - 06/30/2027

Unit	Start	End	Activity	CAC	Title	Staff Count
UNIT 2 IN-SERVICE INSPECTION +SG						1
2	3/30/2026	4/10/2026	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
PROBLEM IDENTIFICATION AND RESOLUTION						4
1,2	4/27/2026	5/1/2026	IP 71152B	000747	Problem Identification and Resolution	
1,2	5/11/2026	5/15/2026	IP 71152B	000747	Problem Identification and Resolution	
FOCUSED ENGINEERING INSPECTION (CGD)						3
1,2	5/18/2026	5/22/2026	IP 71111.21N.03	001808	Commercial Grade Dedication	
1,2	6/1/2026	6/5/2026	IP 71111.21N.03	001808	Commercial Grade Dedication	
MCGUIRE REQUAL INSPECTION						2
1,2	5/24/2026	5/30/2026	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance	
CYBER SECURITY INSPECTION						2
1,2	6/22/2026	6/26/2026	IP 71130.10	000741	Cybersecurity	
MCGUIRE INITIAL LICENSE EXAM						4
1,2	7/19/2026	7/25/2026	OV	000956	FB-OR-Onsite Validation Of Initial License Examination (OV)	
1,2	8/23/2026	9/5/2026	EXAD	000500	FB-OR-Initial License Exam Administration (EXAD)	
UNIT 1 IN-SERVICE INSPECTION +SG						1
1	9/14/2026	9/25/2026	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
RP PUBLIC RAD SAFETY BASELINE INSPECTION						2
1,2	8/3/2026	8/7/2026	IP 71124.05	000729	Radiation Monitoring Instrumentation	
1,2	9/14/2026	9/18/2026	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1,2	9/14/2026	9/18/2026	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1,2	9/14/2026	9/18/2026	IP 71124.04	000728	Occupational Dose Assessment	
1,2	9/14/2026	9/18/2026	IP 71151	000746	Performance Indicator Verification	
MATERIAL CONTROL AND ACCOUNTING						1
1,2	10/5/2026	10/9/2026	IP 71130.11	000742	Material Control and Accounting (MC&A)	

SECURITY BASELINE INSPECTION					2
1,2	10/19/2026	10/22/2026	IP 71130.02	000734	Access Control
1,2	10/19/2026	10/22/2026	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance
1,2	10/19/2026	10/22/2026	IP 71130.09	001656	Security Plan Changes
1,2	10/19/2026	10/22/2026	IP 71151	001338	Performance Indicator Verification
EMERGENCY PREPAREDNESS PROGRAM INSPECTION					2
1,2	11/2/2026	11/6/2026	IP 71114.02	000717	Alert and Notification System Testing
1,2	11/2/2026	11/6/2026	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System
1,2	11/2/2026	11/6/2026	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes
1,2	11/2/2026	11/6/2026	IP 71114.05	000720	Maintenance of Emergency Preparedness
1,2	11/2/2026	11/6/2026	IP 71151	001397	Performance Indicator Verification
ISFSI LICENSE RENEWAL					3
1,2	3/1/2027	3/5/2027	IP 60859		Independent Spent Fuel Storage Installation (ISFSI) License Renewal Inspection
FOCUSED ENGINEERING INSPECTION 2 – TBD					3
1,2	5/4/2027	5/7/2027	IP 71111.21N	000714	Focused Engineering Inspections (FEI Placeholder)
SECURITY BASELINE INSPECTION - MCG					3
1,2	6/21/2027	6/24/2027	IP 71130.05	000737	Protective Strategy Evaluation
1,2	6/21/2027	6/24/2027	IP 71130.14	000743	Review of Power Reactor Target Sets
OPERATION OF AN ISFSI					2
1,2	6/28/2027	7/2/2027	IP 60855		Operation Of An ISFSI

Site Inspection Activity Plan

McGuire

09/01/2025 - 06/30/2027

Unit	Start	End	Activity	CAC	Title	Staff Count
ISFSI LICENSE RENEWAL						3
	3/1/2027	3/5/2027	IP 60859	001921	Independent Spent Fuel Storage Installation (ISFSI) License Renewal Inspection	
OPERATION OF AN ISFSI						2
	6/28/2027	7/2/2027	IP 60855	001001	Operation Of An ISFSI	