



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

August 26, 2022

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

**SUBJECT: UPDATED INSPECTION PLAN FOR MCGUIRE NUCLEAR STATION UNITS 1 AND 2 (NRC INSPECTION REPORT 05000369/2022005 AND 05000370/2022005)**

Dear Mr. Pigott:

The enclosed inspection plan lists the inspections scheduled through June 30, 2024, 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. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes.

Beginning on January 1, 2023, the engineering inspection frequency will transition from a triennial (3-year) to a quadrennial (4-year) cycle. The new engineering inspection program will consist of a "Comprehensive Engineering Team Inspection (CETI)"<sup>1</sup> and three "Focused Engineering Inspections (FEIs)" that will be performed in each quadrennial cycle. For the cycle beginning in 2023, the FEIs will be: "Fire Protection Team Inspection," "Commercial Grade Dedication" and an engineering inspection that reviews age-related degradation and management<sup>2</sup>.

In response to the COVID-19 public health emergency (PHE), the NRC adjusted inspection plans and schedules in order to safeguard the health and safety of both NRC and licensee staff while still effectively implementing the ROP. While the PHE continues, overall conditions throughout the country support performance of our inspection and oversight activities to return to normal onsite presence by our resident and region-based inspectors and completion of nominal baseline inspection samples. We continue to monitor site-specific conditions and as discussed in our November 2, 2021 memo, "Implementation of Inspection Programs Following

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<sup>1</sup> Aspects of the Design Basis Assurance Inspection (DBAI), Evaluations of Changes, Tests, & Experiments, and Heat Sink inspections will be included in the CETI inspection. Attached Report 22 will reference DBAI procedure until the CETI procedure is made publicly available. Previously scheduled Evaluation of Changes, Tests, & Experiments and Heat Sink inspections have been cancelled and removed from Report 22.

<sup>2</sup> The age-related degradation and management procedure is under development and will be publicly available by the end of calendar year 2022.

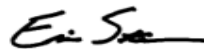
Re-Entry from the Public Health Emergency for the Reactor Safety Program” (ML21295A302), it may be necessary to alter how and when we perform our inspection and oversight activities as we balance the importance of protecting the health and safety of our staff with the need to conduct effective oversight that supports the NRC’s critical safety mission.

For inspections requiring extensive coordination with offsite organizations, such as evaluated emergency preparedness exercises, NRC guidance and frequently asked questions for security and emergency preparedness can be found here: <https://www.nrc.gov/about-nrc/covid-19/security-ep/>. Similarly, the NRC has developed guidance if force-on-force inspections cannot be completed as scheduled due to an emergency, such as the COVID-19 PHE. These changes help ensure the health and safety of both NRC and licensee staff while maintaining the NRC’s important safety and security mission during the COVID-19 PHE. The attached inspection plan is accurate on the date of issuance but remains subject to change based on approval of potential exemption requests or other changes needed due to changing conditions in the COVID-19 PHE. NRC staff will contact your appropriate regulatory affairs staff in order to coordinate inspection planning and scheduling.

In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) 2.390 of the NRC’s “Rules of Practice,” a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC’s document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Please contact me at 404-997-4575 with any questions you have regarding this letter.

Sincerely,



Signed by Stamm, Eric  
on 08/26/22

Eric J. Stamm, Chief  
Reactor Projects Branch 1  
Division of Reactor Projects

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

Enclosure:  
McGuire Inspection Plan  
(9/01/2022 – 6/30/2024)

SUBJECT: UPDATED INSPECTION PLAN FOR MCGUIRE NUCLEAR STATION UNITS 1 AND 2 (NRC INSPECTION REPORT 05000369/2022005 AND 05000370/2022005) – dated August 26, 2022

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OFFICE	RII/DRP	RII/DRP			
NAME	D. Jackson	E. Stamm			
DATE	08/25/22	08/26/22			

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# Site Inspection Activity Plan

## McGuire

09/01/2022 - 06/30/2024

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>EMERGENCY PREPAREDNESS PROGRAM INSPECTION</b>						2
1,2	10/17/2022	10/21/2022	IP 71114.02	000717	Alert and Notification System Testing	
1,2	10/17/2022	10/21/2022	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
1,2	10/17/2022	10/21/2022	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1,2	10/17/2022	10/21/2022	IP 71114.05	000720	Maintenance of Emergency Preparedness	
1,2	10/17/2022	10/21/2022	IP 71151	001397	Performance Indicator Verification	
<b>SECURITY BASELINE INSPECTION</b>						3
1,2	10/24/2022	10/28/2022	IP 71130.02	000734	Access Control	
1,2	10/24/2022	10/28/2022	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
1,2	10/24/2022	10/28/2022	IP 71130.07	000739	Security Training	
1,2	10/24/2022	10/28/2022	IP 71130.09	001656	Security Plan Changes	
1,2	10/24/2022	10/28/2022	IP 71151	001338	Performance Indicator Verification	
<b>FORCE-ON-FORCE PLANNING AND EXERCISE WEEKS - MCG</b>						6
1,2	11/14/2022	11/18/2022	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
1,2	12/5/2022	12/9/2022	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
<b>CONSTRUCTION OF AN ISFSI</b>						1
1,2	11/28/2022	12/2/2022	IP 60853	000999	On-Site Fabrication Of Components And Construction On An ISFSI	
<b>UNIT 2 IN-SERVICE INSPECTION +SG</b>						2
2	2/20/2023	3/3/2023	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
<b>SECURITY BASELINE INSPECTION</b>						3
1,2	7/24/2023	7/28/2023	IP 71130.02	000734	Access Control	
1,2	7/24/2023	7/28/2023	IP 71130.09	001656	Security Plan Changes	
1,2	7/24/2023	7/28/2023	IP 71151	001338	Performance Indicator Verification	
<b>MCGUIRE INITIAL LICENSE EXAM</b>						5
1,2	6/26/2023	6/30/2023	OV	000956	FB-OR-ONSITE VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1,2	7/31/2023	8/11/2023	EXAD	000500	FB-OR-INITIAL LICENSE EXAM ADMINISTRATION (EXAD)	
<b>EMERGENCY PREPAREDNESS EXERCISE INSPECTION</b>						5
1,2	7/31/2023	8/4/2023	IP 71114.01	000716	Exercise Evaluation	
1,2	7/31/2023	8/4/2023	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1,2	7/31/2023	8/4/2023	IP 71151	001397	Performance Indicator Verification	
<b>FOCUSED ENGINEERING INSPECTION</b>						3
1,2	8/28/2023	9/1/2023	IP 71111.21N.04		Age Related Focused Engineering Inspection	
1,2	9/11/2023	9/15/2023	IP 71111.21N.04		Age Related Focused Engineering Inspection	

# Site Inspection Activity Plan

<b>UNIT 1 IN-SERVICE INSPECTION +SG</b>						2
1	9/25/2023	9/29/2023	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
<b>RP OCCUPATIONAL RADIATION SAFETY AND TRANSPORTATION BASELINE INSPECTION</b>						3
1,2	10/2/2023	10/6/2023	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1,2	10/2/2023	10/6/2023	IP 71124.08	000732	Radioactive Solid Waste Processing & Radioactive Material Handling, Storage, & Transportation	
1,2	10/2/2023	10/6/2023	IP 71151	000746	Performance Indicator Verification	
<b>MATERIAL CONTROL AND ACCOUNTING</b>						1
1,2	12/4/2023	12/8/2023	IP 71130.11	000742	Material Control and Accounting (MC&A)	
<b>COMPREHENSIVE ENGINEERING TEAM INSPECTION (CETI)</b>						7
1,2	1/22/2024	1/26/2024	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
1,2	2/5/2024	2/9/2024	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
<b>PROBLEM IDENTIFICATION AND RESOLUTION</b>						4
1,2	4/22/2024	4/26/2024	IP 71152B	000747	Problem Identification and Resolution	
1,2	5/6/2024	5/10/2024	IP 71152B	000747	Problem Identification and Resolution	
<b>OPERATION ON AN ISFSI</b>						2
1,2	5/6/2024	5/10/2024	IP 60855	001001	Operation Of An ISFSI	
<b>MCGUIRE REQUAL INSPECTION</b>						2
1,2	6/3/2024	6/7/2024	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance	
<b>SECURITY BASELINE INSPECTION</b>						3
1,2	6/3/2024	6/7/2024	IP 71130.02	000734	Access Control	
1,2	6/3/2024	6/7/2024	IP 71130.05	000737	Protective Strategy Evaluation	
1,2	6/3/2024	6/7/2024	IP 71130.09	001656	Security Plan Changes	
1,2	6/3/2024	6/7/2024	IP 71151	001338	Performance Indicator Verification	
<b>CYBER SECURITY INSPECTION</b>						4
1,2	6/24/2024	6/28/2024	IP 71130.10	000741	Cybersecurity	