



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

August 25, 2023

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 05000369/2023005 AND 05000370/2023005)

Dear Edward Pigott:

The enclosed inspection plan lists the inspections scheduled through June 30, 2025, 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.

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,

A handwritten signature in black ink that reads "Eric Stamm".

Signed by Stamm, Eric
on 08/25/23

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

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

Enclosure:
Inspection Plan

cc w/ encl: Distribution via LISTSERV

SUBJECT: UPDATED INSPECTION PLAN FOR MCGUIRE NUCLEAR STATION UNITS 1 AND 2 (REPORT 05000369/2023005 AND 05000370/2023005) DATED AUGUST 25, 2023

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PUBLIC

ADAMS ACCESSION NUMBER: ML23235A140

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|--------------------------------------------------|------------|-----------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------|--|
| <input checked="" type="checkbox"/> SUNSI Review | | <input checked="" type="checkbox"/> Non-Sensitive <input type="checkbox"/> Sensitive | | <input checked="" type="checkbox"/> Publicly Available <input type="checkbox"/> Non-Publicly Available | |
| OFFICE | RII/DRP | RII/DRP | | | |
| NAME | D. Jackson | E. Stamm | | | |
| DATE | 08/23/2023 | 08/25/2023 | | | |

OFFICIAL RECORD COPY

Site Inspection Activity Plan

07200038 - McGuire (ISFSI)

09/01/2023 - 06/30/2025

| Unit | Start | End | Activity | CAC | Title | Staff Count |
|-------------------------------------|-----------|------------|----------|--------|--------------------------------------------------------------------------------|-------------|
| OPERATION OF AN ISFSI | | | | | | 2 |
| | 5/6/2024 | 5/10/2024 | IP 60855 | 001001 | Operation Of An ISFSI | |
| AGING MANAGEMENT OF AN ISFSI | | | | | | 2 |
| | 12/9/2024 | 12/13/2024 | IP 60859 | | INDEPENDENT SPENT FUEL STORAGE INSTALLATION (ISFSI) LICENSE RENEWAL INSPECTION | |

Site Inspection Activity Plan

McGuire

09/01/2023 - 06/30/2025

| Unit | Start | End | Activity | CAC | Title | Staff Count |
|--------------------------------------------------------------------------|-----------|-----------|-----------------|--------|-----------------------------------------------------------------------------------------------|-------------|
| FOCUSED ENGINEERING INSPECTION (AGE-RELATED) | | | | | | 3 |
| 1,2 | 9/11/2023 | 9/15/2023 | IP 71111.21N.04 | 001832 | Age-Related Degradation | |
| UNIT 1 IN-SERVICE INSPECTION +RVH | | | | | | 1 |
| 1 | 9/25/2023 | 10/6/2023 | IP 71111.08P | 000702 | Inservice Inspection Activities (PWR) | |
| RP OCCUPATIONAL RAD SAFETY AND TRANSPORTATION BASELINE INSPECTION | | | | | | 2 |
| 1,2 | 9/25/2023 | 9/29/2023 | IP 71124.01 | 000725 | Radiological Hazard Assessment and Exposure Controls | |
| 1,2 | 9/25/2023 | 9/29/2023 | IP 71124.08 | 000732 | Radioactive Solid Waste Processing & Radioactive Material Handling, Storage, & Transportation | |
| 1,2 | 9/25/2023 | 9/29/2023 | IP 71151 | 000746 | Performance Indicator Verification | |
| MATERIAL CONTROL AND ACCOUNTING | | | | | | 1 |
| 1,2 | 12/4/2023 | 12/8/2023 | IP 71130.11 | 000742 | Material Control and Accounting (MC&A) | |
| COMPREHENSIVE ENGINEERING TEAM INSPECTION (CETI) | | | | | | 7 |
| 1,2 | 1/22/2024 | 1/26/2024 | IP 71111.21M | 000713 | Comprehensive Engineering Team Inspection | |
| 1,2 | 2/5/2024 | 2/9/2024 | IP 71111.21M | 000713 | Comprehensive Engineering Team Inspection | |
| OPERATION OF AN ISFSI | | | | | | 2 |
| 1,2 | 5/6/2024 | 5/10/2024 | IP 60855 | 001001 | Operation Of An ISFSI | |
| PROBLEM IDENTIFICATION AND RESOLUTION | | | | | | 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 | |
| MCGUIRE REQUAL INSPECTION | | | | | | 2 |
| 1,2 | 6/3/2024 | 6/7/2024 | IP 71111.11B | 000704 | Licensed Operator Requalification Program and Licensed Operator Performance | |
| SECURITY BASELINE INSPECTION | | | | | | 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 | |
| CYBER SECURITY INSPECTION | | | | | | 4 |
| 1,2 | 6/24/2024 | 6/28/2024 | IP 71130.10 | 000741 | Cybersecurity | |
| TARGET SET INSPECTION | | | | | | 2 |
| 1,2 | 7/8/2024 | 7/12/2024 | IP 71130.14 | 000743 | Review of Power Reactor Target Sets | |
| UNIT 2 IN-SERVICE INSPECTION +SG | | | | | | 2 |
| 2 | 9/2/2024 | 9/13/2024 | IP 71111.08P | 000702 | Inservice Inspection Activities (PWR) | |

Site Inspection Activity Plan

RP OCCUPATIONAL RAD SAFETY BASELINE INSPECTION

3

| | | | | | |
|-----|-----------|-----------|-------------|--------|--------------------------------------------------------|
| 1,2 | 9/9/2024 | 9/13/2024 | IP 71124.01 | 000725 | Radiological Hazard Assessment and Exposure Controls |
| 1,2 | 9/9/2024 | 9/13/2024 | IP 71124.03 | 000727 | In-Plant Airborne Radioactivity Control and Mitigation |
| 1,2 | 9/9/2024 | 9/13/2024 | IP 71124.04 | 000728 | Occupational Dose Assessment |
| 1,2 | 9/9/2024 | 9/13/2024 | IP 71124.05 | 000729 | Radiation Monitoring Instrumentation |
| 1,2 | 9/9/2024 | 9/13/2024 | IP 71151 | 000746 | Performance Indicator Verification |
| 1,2 | 9/23/2024 | 9/27/2024 | IP 71124.01 | 000725 | Radiological Hazard Assessment and Exposure Controls |
| 1,2 | 9/23/2024 | 9/27/2024 | IP 71124.03 | 000727 | In-Plant Airborne Radioactivity Control and Mitigation |
| 1,2 | 9/23/2024 | 9/27/2024 | IP 71124.04 | 000728 | Occupational Dose Assessment |
| 1,2 | 9/23/2024 | 9/27/2024 | IP 71124.05 | 000729 | Radiation Monitoring Instrumentation |
| 1,2 | 9/23/2024 | 9/27/2024 | IP 71151 | 000746 | Performance Indicator Verification |

SECURITY BASELINE INSPECTION

2

| | | | | | |
|-----|-----------|-----------|-------------|--------|-------------------------------------------------|
| 1,2 | 9/23/2024 | 9/27/2024 | IP 71130.04 | 000736 | Equipment Performance, Testing, and Maintenance |
| 1,2 | 9/23/2024 | 9/27/2024 | IP 71130.07 | 000739 | Security Training |

EMERGENCY PREPAREDNESS PROGRAM INSPECTION

2

| | | | | | |
|-----|-----------|-----------|-------------|--------|------------------------------------------------------------------|
| 1,2 | 11/4/2024 | 11/8/2024 | IP 71114.02 | 000717 | Alert and Notification System Testing |
| 1,2 | 11/4/2024 | 11/8/2024 | IP 71114.03 | 000718 | Emergency Response Organization Staffing and Augmentation System |
| 1,2 | 11/4/2024 | 11/8/2024 | IP 71114.04 | 000719 | Emergency Action Level and Emergency Plan Changes |
| 1,2 | 11/4/2024 | 11/8/2024 | IP 71114.05 | 000720 | Maintenance of Emergency Preparedness |
| 1,2 | 11/4/2024 | 11/8/2024 | IP 71151 | 001397 | Performance Indicator Verification |

AGING MANAGEMENT OF AN ISFSI

2

| | | | | | |
|-----|-----------|------------|----------|--|--------------------------------------------------------------------------------|
| 1,2 | 12/9/2024 | 12/13/2024 | IP 60859 | | INDEPENDENT SPENT FUEL STORAGE INSTALLATION (ISFSI) LICENSE RENEWAL INSPECTION |
|-----|-----------|------------|----------|--|--------------------------------------------------------------------------------|

MCGUIRE INITIAL LICENSE EXAM

4

| | | | | | |
|-----|----------|-----------|------|--------|-------------------------------------------------------------|
| 1,2 | 1/5/2025 | 1/11/2025 | OV | 000956 | FB-OR-ONSITE VALIDATION OF INITIAL LICENSE EXAMINATION (OV) |
| 1,2 | 2/2/2025 | 2/15/2025 | EXAD | 000500 | FB-OR-INITIAL LICENSE EXAM ADMINISTRATION (EXAD) |

FOCUSED ENGINEERING INSPECTION (FPTI)

4

| | | | | | |
|-----|-----------|-----------|-----------------|--------|----------------------------------------|
| 1,2 | 1/13/2025 | 1/17/2025 | IP 71111.21N.05 | 001646 | Fire Protection Team Inspection (FPTI) |
| 1,2 | 1/27/2025 | 1/31/2025 | IP 71111.21N.05 | 001646 | Fire Protection Team Inspection (FPTI) |

UNIT 1 IN-SERVICE INSPECTION +SG

2

| | | | | | |
|---|-----------|-----------|--------------|--------|---------------------------------------|
| 1 | 3/31/2025 | 4/11/2025 | IP 71111.08P | 000702 | Inservice Inspection Activities (PWR) |
|---|-----------|-----------|--------------|--------|---------------------------------------|

RP OCCUPATIONAL RAD SAFETY AND TRANSPORTATION BASELINE INSPECTION

2

| | | | | | |
|-----|----------|-----------|-------------|--------|-----------------------------------------------------------------------------------------------|
| 1,2 | 4/7/2025 | 4/11/2025 | IP 71124.01 | 000725 | Radiological Hazard Assessment and Exposure Controls |
| 1,2 | 4/7/2025 | 4/11/2025 | IP 71124.08 | 000732 | Radioactive Solid Waste Processing & Radioactive Material Handling, Storage, & Transportation |
| 1,2 | 4/7/2025 | 4/11/2025 | IP 71151 | 000746 | Performance Indicator Verification |

RP PUBLIC RAD SAFETY BASELINE INSPECTION

2

| | | | | | |
|-----|----------|----------|-------------|--------|---------------------------------------------------|
| 1,2 | 6/2/2025 | 6/6/2025 | IP 71124.06 | 000730 | Radioactive Gaseous and Liquid Effluent Treatment |
|-----|----------|----------|-------------|--------|---------------------------------------------------|

Site Inspection Activity Plan

| | | | | | |
|-----|----------|----------|-------------|--------|-----------------------------------------------|
| 1,2 | 6/2/2025 | 6/6/2025 | IP 71124.07 | 000731 | Radiological Environmental Monitoring Program |
| 1,2 | 6/2/2025 | 6/6/2025 | IP 71151 | 000746 | Performance Indicator Verification |

FORCE-ON-FORCE PLANNING AND EXERCISE WEEKS - MCG

5

| | | | | | |
|-----|-----------|-----------|-------------|--------|-----------------------------------------------|
| 1,2 | 6/23/2025 | 6/27/2025 | IP 71130.03 | 000735 | Contingency Response - Force-On-Force Testing |
|-----|-----------|-----------|-------------|--------|-----------------------------------------------|
