



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**  
REGION II  
245 PEACHTREE CENTER AVENUE NE, SUITE 1200  
ATLANTA, GEORGIA 30303-1257

June 26, 2018

Tom Ray  
Duke Energy Carolinas, LLC  
McGuire Nuclear Station  
12700 Hagers Ferry Road  
Huntersville, NC 28078-8985

**SUBJECT: MCGUIRE NUCLEAR STATION – EMERGENCY PREPAREDNESS INSPECTION  
AND REQUEST FOR INFORMATION**

Dear Mr. Ray:

From August 27-31, 2018, the U.S. Nuclear Regulatory Commission (NRC) will perform a baseline Emergency Preparedness program inspection at the McGuire Nuclear Station. The inspection will evaluate activities in the Emergency Preparedness cornerstone using NRC Inspection Procedures (IPs) 71114.02, Alert and Notification System Testing; 71114.03, Emergency Response Organization Staffing and Augmentation System; 71114.04, Emergency Action Level and Emergency Plan Changes; 71114.05, Maintenance of Emergency Preparedness; and Emergency Preparedness sections of 71151 Performance Indicator Verification.

Experience has shown that this inspection is resource-intensive for both the NRC inspectors and your staff. To minimize the impact to your onsite resources and to ensure a productive inspection, we have enclosed a request for documents needed for this inspection. It is important that all of these documents are up-to-date, and complete, to minimize the number of additional documents requested during the preparation, and/or the onsite portions of the inspection.

We have discussed the schedule for these inspection activities with your staff, and understand that our regulatory contact for this inspection will be Mr. Brian Richards (980-875-5171) of your organization. If there are any questions about this inspection or the material requested, please contact the lead inspector, Steven Sanchez at 404-997-4418 ([steven.sanchez@nrc.gov](mailto:steven.sanchez@nrc.gov)), or the Chief, Operations Branch 2, Eugene Guthrie at 404-997-4662.

This letter and its enclosure will be made available for public inspection and copying at <https://www.nrc.gov/reading-rm/adams.html> and at the NRC Public Document Room in accordance with 10 CFR 2.390, "Public Inspections, Exemptions, Requests for Withholding."

Sincerely,

***/RA: Gerald J. McCoy for/***

Eugene F. Guthrie, Chief  
Operations Branch 2  
Division of Reactor Safety

Docket Nos. 50-369 and 50-370  
License Nos. NPF-9 and NPF-17

Enclosure:  
Document Request List

cc: Distribution via Listserv

SUBJECT: MCGUIRE NUCLEAR STATION – EMERGENCY PREPAREDNESS INSPECTION  
AND REQUEST FOR INFORMATION

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ADAMS:  Yes    ACCESSION NUMBER: \_\_\_\_\_     SUNSI REVIEW COMPLETE     FORM 665 ATTACHED

OFFICE	RII:DRS/OB2	RII:DRS/OB2	RII:DRS/OB2				
SIGNATURE	<b>CAF2</b>	<b>SPS</b>	<b>GJM1 FOR</b>				
NAME	C. Fontana	S. Sanchez	E. Guthrie				
DATE	6/25/2018	6/22/2018	6/26/2018				
E-MAIL COPY	<b>YES</b> NO	<b>YES</b> NO	<b>YES</b> NO				

## Document Request List

Inspection Dates: August 27-31, 2018

Inspection Procedures (IPs):	71114.02	Alert and Notification System Testing
	71114.03	Emergency Response Organization Staffing and Augmentation System
	71114.04	Emergency Action Level and Emergency Plan Changes
	71114.05	Maintenance of Emergency Preparedness
	71151	Performance Indicator Verification

**Note:** This is a list of the documents to be provided to the inspectors. The current version of these documents is expected unless specified otherwise. About 3 weeks prior to the inspection, provide, as a minimum, an electronic version of the Emergency Plan (E-Plan), 10 CFR 50.54(q) evaluation/screening packages of changed Emergency Action Level (EAL), E-Plan, and EP implementing procedures, and Corrective Action Program (CAP) entries relating to EP, for the 2-year inspection period (including those written by Corporate). The preferred file format is Word or searchable “.pdf” files on CDROM. *[Note that the inspectors cannot accept data provided on USB or “flash” drives due to NRC IT security policies.]* Please organize the information as it is arranged below (e.g., a folder labeled “Miscellaneous”). It is not the intent that large or burdensome data be scanned for this purpose (e.g., Performance Indicator documents). This data will be inspected using original documentation. Material can be provided prior to the inspection to the NRC Region II Office (ATTN: Steven Sanchez), 245 Peachtree Center Avenue, NE, Suite 1200, Atlanta, GA 30303-1257. If there are questions regarding the documents requested, please do not hesitate to contact the lead inspector.

### **71114.02 Alert and Notification System Evaluation**

- Federal Emergency Management Agency (FEMA) approved Alert and Notification System (ANS) report and any current associated correspondence
- ANS testing procedure
- ANS equipment technical manual
- ANS equipment testing results (raw data) for the 2-year inspection period
- ANS equipment maintenance records for the 2-year inspection period
- Changes to the ANS system, implementing procedures, testing procedures, and the maintenance program including any supporting FEMA approval letters for the past 2 years
- Information provided to the public inside the 10-mile plume exposure pathway
- CAP entries related to the ANS for the 2-year inspection period (including those written by Corporate)

### **71114.03 Emergency Response Organization Staffing and Augmentation System**

- Current Emergency Response Organization (ERO) roster
- ERO Duty Roster in-effect during the week of the inspection (can be provided upon arrival)
- ERO and augmentation implementing procedures and changes made over the past 2 years
- NUREG 0654 Table B1 site equivalent and On-shift Staffing Analysis
- ERO training program procedure
- Emergency Preparedness (EP) staff training program and qualification records
- ERO augmentation testing results for the 2-year inspection period
- CAP entries related to ERO staffing and augmentation for the 2-year inspection period (including those written by Corporate)

Enclosure

**71114.04 Emergency Action Level and Emergency Plan Changes**

- ❑ Governing document for 10 CFR 50.54(q) evaluation process
- ❑ 10 CFR 50.54(q) evaluator training program and qualification records
- ❑ 10 CFR 50.54(q) screening/evaluation packages of changed Emergency Action Level (EAL), E-Plan, and EP implementing procedures (including corporate procedures); signed and dated documents
- ❑ Current and immediately previous revisions of EAL, E-Plan, and EP procedures (electronic version of current E-Plan requested about 3 weeks before inspection)
- ❑ CAP entries related to EAL and E-Plan changes since the last NRC EP inspection (including those written by Corporate)

**71114.05 Maintenance of Emergency Preparedness**

- ❑ Governing documents for the assessment process
- ❑ All EP program assessments, not including INPO performed assessments, for the 2-year inspection period
- ❑ 10 CFR 50.54(t) audits, audit checklists, and subsequent State/local correspondence for the 2-year inspection period
- ❑ Drill and exercise critiques for the 2-year inspection period
- ❑ Critiques of actual events resulting in implementation of the E-Plan over the past 2 years
- ❑ Governing documents for 10 CFR 50.54(q) evaluation process
- ❑ Current Letters of Agreement with offsite agencies
- ❑ Emergency Response Facility (ERF) activation procedures, including backup and alternate facilities
- ❑ Completed maintenance records and availability-tracking information for equipment important to EP (e.g., Heating and Ventilation system in ERFs and Radiation Monitors called out in EALs, etc.) for the 2-year inspection period
- ❑ Last Evacuation Time Estimates Analysis and annual review documentation
- ❑ CAP governing procedures
- ❑ CAP entries relating to EP (abbreviated format, i.e., identifier and brief description only) for the 2-year inspection period with the risk-significant related entries separated (including those written by Corporate)

**71151 Performance Indicator Verification**

- ❑ Governing document for the performance indicator (PI) process
- ❑ Drill and Exercise Performance (DEP), ERO, and ANS PI data submitted since the last NRC EP inspection (hard copies can be provided upon arrival)
- ❑ DEP documentation and evaluations since the last NRC EP inspection
- ❑ CAP entries related to PIs, that is DEP, ERO training and participation, and ANS since the last NRC EP inspection (including those written by Corporate)

**Miscellaneous Procedures and Records**

- ❑ Safety Evaluation Report approved E-Plan and EALs
- ❑ Corporate and Departmental processes or procedures for EP staff
- ❑ Matrix of Drill Types performed and accounted for during the 8-year cycle

**Lead Inspector Contact Information:**

Steven Sanchez

404-997-4418

[steven.sanchez@nrc.gov](mailto:steven.sanchez@nrc.gov)