



Bentley K. Jones
Director, Organizational Effectiveness
Harris Nuclear Plant
5413 Shearon Harris Rd
New Hill NC 27562-9300

919.362.2305

10 CFR 50, Appendix E, Section V
10 CFR 50.54(q)(5)

February 29, 2016
Serial: HNP-16-017

ATTN: Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Shearon Harris Nuclear Power Plant, Unit 1
Docket No. 50-400/Renewed License No. NPF-63

Subject: Summary of a 10 CFR 50.54(q) Evaluation

Ladies and Gentlemen:

As required by 10 CFR 50, Appendix E, Section V and 10 CFR 50.54(q)(5), Duke Energy Progress, Inc. is providing a summary of a 10 CFR 50.54(q) evaluation. The summary is included in the enclosure to this letter.

This submittal contains no regulatory commitments. Please refer any questions regarding this submittal to John Caves, Manager – Regulatory Affairs, at (919) 362-2406.

Sincerely,

A handwritten signature in black ink, appearing to read 'Bentley K. Jones', with a stylized flourish at the end.

Bentley K. Jones

Enclosure: Summary of a 10 CFR 50.54(q) Evaluation

cc: Mr. J. D. Austin, NRC Sr. Resident Inspector, HNP
Ms. M. Barillas, NRC Project Manager, HNP
NRC Regional Administrator, Region II



Bentley K. Jones
Director, Organizational Effectiveness
Harris Nuclear Plant
5413 Shearon Harris Rd
New Hill NC 27562-9300

919.362.2305

10 CFR 50, Appendix E, Section V
10 CFR 50.54(q)(5)

February 29, 2016
Serial: HNP-16-017

ATTN: Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Shearon Harris Nuclear Power Plant, Unit 1
Docket No. 50-400/Renewed License No. NPF-63

Subject: Summary of a 10 CFR 50.54(q) Evaluation

Ladies and Gentlemen:

As required by 10 CFR 50, Appendix E, Section V and 10 CFR 50.54(q)(5), Duke Energy Progress, Inc. is providing a summary of a 10 CFR 50.54(q) evaluation. The summary is included in the enclosure to this letter.

This submittal contains no regulatory commitments. Please refer any questions regarding this submittal to John Caves, Manager – Regulatory Affairs, at (919) 362-2406.

Sincerely,

Bentley K. Jones

Enclosure: Summary of a 10 CFR 50.54(q) Evaluation

cc: Mr. J. D. Austin, NRC Sr. Resident Inspector, HNP
Ms. M. Barillas, NRC Project Manager, HNP
NRC Regional Administrator, Region II

Harris Nuclear Plant
Summary of 10 CFR 50.54(q) Evaluation

EPM-410, Revision 19, Communication and Facility Performance Tests

Emergency preparedness maintenance procedure EPM-410 was revised to incorporate changes that were evaluated by the 10 CFR 50.54(q) process. A list of changes made that required evaluation is provided below.

Section	Change Description
Throughout	Engineering Change 296271 resulted in the following changes, which removed all information regarding Selective Signaling. <ul style="list-style-type: none"> DEFINITIONS: Deleted "Selective Signaling System." Deleted former Section 6.1.1, Monthly Selective Signaling System Test. Deleted Section 6.6 former step 3, Annual Selective Signaling System Test. Revised Attachment 1 and Attachment 5 (former Attachment 9).
Throughout	Removed all information regarding testing of the Technical Support Center (TSC) and the Emergency Operations Facility (EOF) Ventilation Systems since testing is now performed by Operations per Operations Periodic Testing Procedure (OPT)-1546, "TSC Emergency Ventilation System Performance Test Monthly Interval At All Times," and OPT-1547, "EOF Emergency Ventilation System Performance Test Monthly Interval At All Times," which resulted in the following changes: <ul style="list-style-type: none"> PURPOSE: Deleted "and facility ventilation system operability checks" REFERENCES: Deleted references associated with heating, ventilation, and air conditioning (HVAC) testing. DEFINITIONS: Deleted "Independent Verification." Deleted former Section 6.5 for EOF Ventilation System testing, and Section 6.6, for TSC Ventilation System testing. Deleted former Attachments 5, 6, 7, and 8.
Section 6.1	Step 1: added specific location of Duke Emergency Management Network (DEMNET) phones for Main Control Room (MCR), Auxiliary Control Panel (ACP), TSC, and EOF. Step 2: added note "When performed in the month that annual testing is performed (Attachment 5), then performance of monthly testing also satisfies annual testing to the State and County WPs [Warning Points] /EOCs [Emergency Operations Centers]." Step 2.f: 1st bullet added "/EOC" and deleted 3rd bullet "State EOC."
Section 6.5 (new)	Added new section for Monthly Call-In Drill. This information was previously in a fleet procedure that has been superseded.
Section 6.10 (former) and Attachment 12 (former)	Deleted the Monthly State Communication Test. This is not required Emergency Plan testing. Testing consisted of FAX testing, Viper Radio testing, Selective Signaling testing, DEMNET testing, Decision Line testing, and Satellite Phone testing.
Attachment 4	Added "IF the reboot fails to return the system to normal, THEN initiate a Picasso ticket or equivalent."
Attachment 5	<ul style="list-style-type: none"> Deleted State and County EOCs and WPs that are contacted monthly per Attachment 1. Added a single sign-off stating "Satisfactorily completed Monthly DEMNET Test to facilities specified on Attachment 1."

Section	Change Description
Attachment 7	Deleted Warning Point Satellite Phone from Chatham, Harnett, Lee and Wake counties.
Attachment 8	Due to missing inventory for TSC - EC NRC and TSC - Extra, satellite numbers were updated. Condition Report 1978026 resulted in the following changes: <ul style="list-style-type: none">• TSC – Emergency Communicator (EC) NRC changed to 88162-248-2487 (international) / 1-919-636-5623 (North Carolina phone number). This was previously a TSC extra phone.• Deleted TSC - Extra 88162-248-2486 (international) / 1-919-636-2994 (North Carolina phone number)

Description of Licensing Basis affected by the changes:

- PLP-201, Emergency Plan, Revision 3, Section 3, Emergency Facilities, Communications, Equipment
- PLP-201, Emergency Plan, Revision 64, Section 3, Emergency Facilities, Communications, Equipment
- 10 CFR 50.47(b)(5), Procedures have been established for notification, by the licensee, of State and local response organizations and for notification of emergency personnel by all organizations; the content of initial and follow-up messages to response organizations and the public has been established; and means to provide early notification and clear instruction to the populace within the plume exposure pathway Emergency Planning Zone have been established.
- 10 CFR 50.47(b)(6), Provisions exist for prompt communications among principal response organizations to emergency personnel and to the public.
- 10 CFR 50.47(b)(8), Adequate emergency facilities and equipment to support the emergency response are provided and maintained.
- NUREG-0654/FEMA-REP-1 Rev 1, Section II. Planning Standards and Evaluation Criteria, H. Emergency Facilities and Equipment
- NUREG-0696, Functional Criteria for Emergency Response Facilities

Description of how the change to the Emergency Plan still complies with regulation:

The changes made to EPM-410 are in compliance with the requirements of the Emergency Plan. The differences in PLP-201, Revision 3, and PLP-201, Revision 64 have been determined to meet regulatory requirements.

Description of why the proposed change was not a reduction in the effectiveness of the Emergency Plan:

The removal of the selective signaling system references as a result of the change to the DEMNET system does not reduce the effectiveness of the Harris Nuclear Plant (HNP) Emergency Plan, since the new system performs the same function and is tested at the same frequency as the previous system.

Document Control Desk
Serial: HNP-16-017
Enclosure

The removal of the HVAC testing from the procedure does not reduce effectiveness of the HNP Emergency Plan, since all removed testing is now performed in accordance with approved Operations OPT procedures at the same frequency previously implemented by EPM-410.

The changes described in Revision 19 of EPM-410 continue to meet NRC requirements, as described in 10 CFR 50.47(b) and 10 CFR 50, Appendix E and do not reduce the effectiveness of the HNP Emergency Plan.