UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

August 27, 2014

Mr. Ernest Kapopolous, Vice President
Shearon Harris Nuclear Power Plant
Duke Energy Progress, Inc.
5413 Shearon Harris Road
New Hill, NC 27562

SUBJECT: SHEARON HARRIS NUCLEAR POWER PLANT, UNIT 1 - REQUEST FOR ADDITIONAL INFORMATION REGARDING RELIEF REQUEST I3R-14, DEFERRAL OF REACTOR VESSEL INSPECTIONS, INSERVICE INSPECTION PROGRAM - THIRD 10-YEAR INTERVAL (TAC NO. MF4113)

Dear Mr. Kapopolous:

By letter dated April 25, 2014 (Agencywide Documents Access and Management System Accession Number ML14115A419), Duke Energy Progress, Inc. (the licensee) submitted a relief request for Shearon Harris Nuclear Power Plant, Unit 1 (HNP). The proposed relief request would defer the American Society of Mechanical Engineers Boiler and Pressure Vessel Code Section XI required volumetric examination of the HNP reactor vessel full penetration pressure retaining Category B-A and B-D welds for the third Inservice Inspection (ISI) interval, currently scheduled for 2015, until the fourth ISI interval, and to perform the required examinations in 2024, plus or minus one refueling outage. The provisions of this relief are applicable to the third 10-year ISI interval for HNP, which commenced on May 2, 2007, and will end on May 1, 2017.

The U. S. Nuclear Regulatory Commission staff has reviewed the licensee's submittal and determined that additional information is needed in order to complete our review. The enclosed document describes this request for additional information (RAI). The RAI was e-mailed to the licensee in draft form on August 19, 2014, with a response requested by September 22, 2014.

If you have any questions, please call me at 301-415-2760.

Sincerely,

/RA/

Martha Barillas, Project Manager
Plant Licensing Branch II-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-400

Enclosure:
Request for Additional Information

cc w/encl: Distribution via Listserv

REQUEST FOR ADDITIONAL INFORMATION

SHEARON HARRIS NUCLEAR POWER PLANT, UNIT 1

RELIEF REQUEST I3R-14

DEFERRAL OF REACTOR VESSEL INSPECTIONS

INSERVICE INSPECTION PROGRAM

THIRD 10-YEAR INTERVAL

DOCKET NO. 50-400

By letter dated April 25, 2014 (Agencywide Documents Access and Management System Accession Number ML14115A419), Duke Energy Progress, Inc. submitted a relief request for Shearon Harris Nuclear Power Plant, Unit 1 (HNP) requesting to defer the American Society of Mechanical Engineers Boiler and Pressure Vessel Code Section XI required volumetric examination of the HNP reactor vessel full penetration pressure retaining Category B-A and B-D welds for the third Inservice Inspection (ISI) interval, currently scheduled for 2015, until the fourth ISI interval, and to perform the required examinations in 2024, plus or minus one refueling outage.

To complete its review, the U. S. Nuclear Regulatory Commission staff requests the following additional information:

> Regarding evaluation of indications identified in past ISI examinations, Table 2 of Relief Request I3R-14 states that both of the indications found were acceptable per Table IWB-3510-1 of Section XI of the ASME Code. Please provide the information used to support this conclusion.

Enclosure

If you have any questions, please call me at 301-415-2760.

Sincerely,

/RA/

Martha Barillas, Project Manager
Plant Licensing Branch II-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

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