

August, 19, 2020

NL-20-0966

Docket No.: 50-348 50-321  
50-364 50-366U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555-0001

Edwin I. Hatch Nuclear Plant, Units 1 and 2  
Joseph M. Farley Nuclear Plant, Units 1 and 2  
GEN-ISI-ALT-2020-02, Request to Use a Provision of a  
Later Edition of the ASME Boiler and Pressure Vessel Code, Section XI

Ladies and Gentlemen:

In accordance with 10 CFR 50.55a, "Codes and standards," paragraph (g)(4)(iv), and Nuclear Regulatory Commission (NRC) Regulatory Issue Summary 2004-12, "Clarification on Use of Later Editions and Addenda to the ASME OM Code and Section XI," dated July 28, 2004, Southern Nuclear Operating Company (SNC) requests NRC approval to use a specific provision of a later edition of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel (B&PV) Code, Section XI, for Edwin I. Hatch Nuclear Plant (HNP), Units 1 and 2, and Joseph M. Farley Nuclear Plant (FNP), Units 1 and 2. Specifically, SNC requests approval to use IWA-4540(b) of the 2017 Edition of the ASME B&PV Code.

SNC requests approval of this request by September 14, 2020, to support the FNP Unit 2 refueling outage scheduled in October 2020. There are no regulatory commitments in this letter.

If you have any questions concerning this letter, please contact Jamie Coleman at (205) 992-6611.

Respectfully,

C.A. Gayheart  
Regulatory Affairs Director  
Southern Nuclear Operating CompanyEnclosure: Proposed Use of Subsequent ASME Code Edition and Addenda In  
Accordance with 10 CFR 50.55a(g)(4)(iv), GEN-ISI-ALT-2020-02cc: Regional Administrator - Region II  
NRR Project Manager - Farley and Hatch  
Senior Resident Inspector - Farley and Hatch  
RTYPE: CGA02.001

**Edwin I. Hatch Nuclear Plant, Units 1 and 2  
Joseph M. Farley Nuclear Plant Units, Units 1 and 2  
GEN-ISI-ALT-2020-02, Request to Use a Provision of a  
Later Edition of the ASME Boiler and Pressure Vessel Code, Section XI**

**Enclosure**

**Proposed Use of Subsequent ASME Code Edition and Addenda  
In Accordance with 10 CFR 50.55a(g)(4)(iv)  
GEN-ISI-ALT-2020-02**

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**Proposed Use of Subsequent ASME Code Edition and Addenda  
In Accordance with 10 CFR 50.55a(g)(4)(iv)  
GEN-ISI-ALT-2020-02**

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In accordance with 10 CFR 50.55a, "Codes and standards," paragraph (g)(4)(iv) and the guidance provided in Reference 1, Southern Nuclear Operating Company (SNC) requests NRC approval to use specific provisions of a later edition of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel (B&PV) Code, Section XI, for Edwin I. Hatch Nuclear Plant (HNP), Units 1 and 2, and Joseph M. Farley Nuclear Plant (FNP), Units 1 and 2. Specifically, SNC requests approval to use IWA-4540(b) of the 2017 Edition of the ASME B&PV Code.

1. ASME Code Component(s) Affected:

All Class 1, 2, and 3 items located in the ASME Section XI boundaries.

2. Requested Date for Approval:

Approval requested by September 14, 2020, to support the FNP Unit 2 refueling outage scheduled in October 2020.

3. Applicable Code Edition and Addenda:

<u>PLANT</u>	<u>ISI INTERVAL</u>	<u>EDITION</u>	<u>INTERVAL START</u>	<u>INTERVAL SCHEDULED END</u>
Farley Nuclear Plant, Units 1 and 2	5	2007 Edition, through 2008 Addenda	12/01/2017	11/30/2027
Hatch Nuclear Plant, Units 1 and 2	5	2007 Edition, through 2008 Addenda	01/01/2016	12/31/2025

4. Proposed Subsequent Code Edition and Addenda (or Portion):

FNP and HNP perform Repair/Replacement activities in accordance with a standardized fleet program. This standardized program is based on an Edition of ASME Section XI which, at present, is the 2007 Edition through the 2008 Addenda.

Pursuant to 10 CFR 50.55a(g)(4)(iv), SNC requests permission to utilize IWA-4540(b) from the 2017 Edition of ASME Section XI. This subparagraph outlines items that are exempt from pressure testing after repair/replacement activities.

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**Proposed Use of Subsequent ASME Code Edition and Addenda  
In Accordance with 10 CFR 50.55a(g)(4)(iv)  
GEN-ISI-ALT-2020-02**

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5. Related Requirements:

10 CFR 50.55a(g)(4)(iv) states:

*“Inservice examination of components and system pressure tests may meet the requirements set forth in subsequent editions and addenda that are incorporated by reference in paragraph (a) of this section, subject to the conditions listed in paragraph (b) of this section, and subject to Commission approval. Portions of editions or addenda may be used, provided that all related requirements of the respective editions or addenda are met.”*

10 CFR 50.55a(b)(2) incorporates by reference Section XI, Division 1, of the ASME B&PV Code 2017 Edition as approved in Reference 3. SNC is requesting to use IWA-4540(b) of the 2017 Edition of ASME Section XI to utilize the exemptions listed. There are no related requirements or applicable conditions associated with this subparagraph, IWA-4540(b).

6. Duration of Proposed Request:

The duration of this request will continue for the remainder of the site’s current Inservice Inspection interval.

7. References:

1. NRC Regulatory Issue Summary 2004-12, “Clarification on Use of Later Editions and Addenda to the ASME OM Code and Section XI,” dated July 28, 2004
2. U.S. Nuclear Regulatory Commission Memorandum from D. Rudland (Senior Level Advisor, Division of New and Renewed Licenses) to Anna H. Bradford (Director, Division of New and Renewed Licenses), “Summary of the June 25, 2020, Public Meeting with the Nuclear Industry to Discuss Title 10 of the Code of Federal Regulations Section 50.55a(b)(2)(xxvi) Condition on the Pressure Testing of Class 1, 2, and 3 Mechanical Joints,” dated July 8, 2020 (ML20189A286)
3. Federal Register, 85 FR 26540, dated May 4, 2020

8. Precedent:

Letter from M. Markley (U.S. NRC) to C. Gayheart (SNC), “Vogtle Electric Generating Plant, Units 1 and 2 – Request to Use a provision of a Later Edition of the American Society of Mechanical Engineers Boiler and Pressure Vessel Code, Section XI (EPID L-2020-LLR-01 01),” dated August 6, 2020 (ADAMS Accession No. ML20216A399)