

May 30, 2023

Docket No.: 50-366

NL-23-0422

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

Southern Nuclear Operating Company
Edwin I. Hatch Nuclear Plant – Unit 2
Inservice Inspection Program Owner's Activity Report for Refueling Outage 2R27

Ladies and Gentlemen:

The Edwin I. Hatch Nuclear Plant (HNP) Unit 2 OAR-1 for the 2R27 Refueling Outage is provided as an Enclosure to this letter, in accordance with ASME Section XI, Article IWA-6200 and ASME Section XI Code Case N-532-5. The OAR-1 Report in the Enclosure includes Table 1, "Items with Flaws or Relevant Conditions that Required Evaluation for Continued Service," which lists evaluations performed for continued service, and Table 2, "Abstract of Repair / Replacement Activities Required for Continued Service," which lists repair/replacement activities.

This report is for the third period of the 5th Inservice Inspection Interval (Interval 5, Period 3, Outage 1).

This letter contains no NRC commitments. If you have any questions, please contact Ryan Joyce at 205.992.6468.

Respectfully submitted,



R. Keith Brown
Director, Regulatory Affairs
Southern Nuclear Operating Company

RKB/agq/cbg

Enclosure: 2R27 Form OAR-1 Owner's Activity Report

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cc: Regional Administrator, Region II
NRR Project Manager – Hatch 1&2
Senior Resident Inspector – Hatch 1&2
R-Type: CHA02.004

**Southern Nuclear Operating Company
Edwin I. Hatch Nuclear Plant Unit 2
Inservice Inspection Program Owner's Activity Report for Refueling Outage 2R27**

Enclosure to NL-23-0422

2R27 Form OAR-1 Owner's Activity Report

FORM OAR-1 OWNER'S ACTIVITY REPORT

Report Number 2-5-3-1 (Unit 2, 5th Interval, 3rd Period, 1st Report)

Plant Edwin I. Hatch Nuclear Plant

Unit No. 2 Commercial service date September 05, 1979 Refueling outage no. 2R27
(if applicable)

Current inspection interval 5th
(1st, 2nd, 3rd, 4th, other)

Current inspection period 3rd
(1st, 2nd, 3rd)

Edition and Addenda of Section XI applicable to the inspection plans: The 2007 Edition through 2008 Addenda is applicable to the 5th Inspection Interval.

Date and revision of inspection plans: 5th Inspection Interval Inspection Plans - Volume 1- 01/03/2023 (Version 6.0), Volume 2 - 09/02/2022 (Version 5.0), Volume 3 - 02/06/2019 (Version 2.0), Volume 4 - 12/20/2022 (Version 6.0), and Volume 5 - 02/02/2021 (Version 3.0). 2R27 Outage Plan - 09/15/2022 (Version 1.0) with 2R27 Outage Plan Scope Change SC-001 - 02/16/2023.

Edition and Addenda of Section XI applicable to repair/replacement activities, if different than the inspection plans: Same

Code Cases used for inspection and evaluation: N-716-1, N-532-5, N-805, N-661-3
(if applicable, including cases modified by Case N-532 and later revisions)

CERTIFICATE OF CONFORMANCE

I certify that (a) the statements made in this report are correct; (b) the examinations and tests meet the Inspection Plan as required by the ASME Code, Section XI; and (c) the repair/replacement activities and evaluations supporting the completion of 2R27 conform to the requirements of Section XI.
(refueling outage number)

Signed [Signature] SMPS Date 5/25/23
Owner or Owner's Designee, Title

Jeremy Torrez, Hatch Senior Manager Plant Support

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by The Hartford Steam Boiler Inspection and Insurance Company of Hartford, CT, have inspected the items described in this Owner's Activity Report, and state that, to the best of my knowledge and belief, the Owner has performed all activities represented by this report in accordance with the requirements of Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the repair/replacement activities and evaluation described in this report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Jerome Barthelmy Commission NB 15817 - AIN, I, R, C
Inspector's Signature (National Board Number and Endorsement)

Date 5/26/23

Table 1
Items with Flaws or Relevant Conditions That Required Evaluation for Continued Service

| Examination Category and Item Number | Item Description | Evaluation Description |
|---|---|--|
| F-A 1.20 2N11-HPS-R30 | During Inservice Inspection of support 2N11-HPS-R30, the component was found to be misaligned with the support clamp. | SNC Condition Report (CR) 10944723 and Indication Notification Form (INF) #I23H2001 documents the condition and the evaluation. Evaluation for functionality of 2N11-HPS-R30 without requirement of corrective action is documented in log notes of CR 10944723. WO SNC1436642 was issued to restore the component support to its original design condition. |

Table 2

Abstract of Repair / Replacement Activities Required for Continued Service

| Code Class | Item Description | Description of Work | Date Completed | Repair / Replacement Plan Number |
|-------------------|-------------------------|--|-----------------------|---|
| 3 | 3" PSW Piping | Replace piping downstream of 2P41B001B valve due to leak in pipe. | 02/07/23 | SNC1146455 |
| 3 | 18" RHRSW Piping | Installation of weld overlay in accordance with N-661-3 and DCEP SNC1390882. | 02/18/23 | SNC1404498 |