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June 14, 2012

Docket No.: 50-321

NL-12-1266

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

**Edwin I. Hatch Nuclear Plant – Unit 1
Inservice Inspection Program
Owner's Activity Report for Outage 1R25**

Ladies and Gentlemen:

Enclosed is the ASME Section XI Code Case N-532-4 OAR-1 Owner's Activity Report for the 1R25 Refueling Outage. There are no items to report for Table 1, "Items with Flaws or Relevant Conditions that Required Evaluation for Continued Service." Repair/Replacement activities did occur during Cycle 25 and are addressed in Table 2, "Abstract of Repairs, Replacement, or Corrective Measures Required for Continued Service."

This report is for the second period of the 4th Interval ISI activities (Interval 4, Period 2, Outage 2).

This letter contains no NRC commitments. If you have any questions, please contact Jack Stringfellow at (205) 992-7037.

Respectfully submitted,

A handwritten signature in cursive script that reads "Mark J. Ajluni".

M. J. Ajluni
Nuclear Licensing Director

MJA/RMJ/lac

- Enclosures:
1. 1R25 Form OAR-1 Owner's Activity Report
 2. 1R25 Form OAR-1 Owner's Activity Report, Table 1, Items with Flaws or Relevant Conditions that Required Evaluations for Continued Service
 3. 1R25 Form OAR-1 Owner's Activity Report, Table 2, Abstract of Repairs, Replacement, or Corrective Measures Required for Continued Service

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cc: Southern Nuclear Operating Company

Mr. S. E. Kuczynski, Chairman, President & CEO

Mr. D. G. Bost, Executive Vice President & Chief Nuclear Officer

Mr. D. R. Madison, Vice President – Hatch

Mr. B. L. Ivey, Vice President – Regulatory Affairs

Mr. B. J. Adams, Vice President – Fleet Operations

RTYPE: CHA02.004

U. S. Nuclear Regulatory Commission

Mr. V. M. McCree, Regional Administrator

Mr. P. G. Boyle, NRR Senior Project Manager - Hatch

Mr. E. D. Morris, Senior Resident Inspector – Hatch

**Edwin I. Hatch Nuclear Plant – Unit 1
Inservice Inspection Program
Owner's Activity Report for Outage 1R25**

Enclosure 1

1R25 Form OAR-1 Owner's Activity Report

FORM OAR-1 OWNER'S ACTIVITY REPORT

Report Number 1-4-2-2 (Unit 1, 4TH Interval, 2ND Period, 2ND Report)

Owner Southern Nuclear Operating Co. (as agent for Georgia Power Company), 40 Inverness Center Parkway, Birmingham, AL 35242

Plant Edwin I. Hatch Nuclear Plant, P. O. Box 2010, Baxley, Georgia 31513

Unit No. 1 Commercial service date 12/31/75 Refueling outage no. 1R25
(if applicable)

Current inspection interval 4TH
(1ST, 2ND, 3RD, 4TH, other)

Current inspection period 2ND
(1ST, 2ND, 3RD)

Edition and Addenda of Section XI applicable to the inspection plans 2001 Edition with 2003 Addenda

Date and revision of inspection plans Volume 1: 4/8/11 Ver 3.0; Volume 2: 4/8/11 Ver 3.0; Volume 3: 4/12/11 Ver 3.0; Volume 4: 12/8/11 Ver 5.0; Volume 5: 4/14/11 Ver 5.0; Volume 6: 4/8/11 Ver 6.0

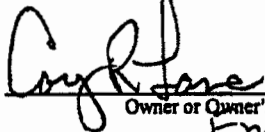
Edition and Addenda of Section XI applicable to repair/replacement activities, if different than the inspection plans Same

Code Cases used: N-460, N-663, N-532-4, N-513-3, 2476
(if applicable)

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 1R25 conform to the requirements of Section XI.
(refueling outage number)

Signed



Owner or Owner's Designee, Title

Engineering Director

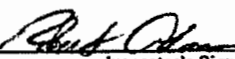
Date

6/2/12

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Georgia and employed by HSBCT 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.


Inspector's Signature

Commissions

13626, GA856, A, N, I

National Board, State, Province, and Endorsements

Date

6-07-12

**Edwin I. Hatch Nuclear Plant – Unit 1
Inservice Inspection Program
Owner's Activity Report for Outage 1R25**

Enclosure 2

**1R25 Form OAR-1 Owner's Activity Report, Table 1, Items with Flaws or
Relevant Conditions that Required Evaluations for Continued Service**

ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT REQUIRED EVALUATION FOR CONTINUED SERVICE

UNIT 1 Cycle 25 TABLE 1

Examination Category and Item Number	Item Description	Evaluation Description
OAR-1	NONE	No evaluation required.

**Edwin I. Hatch Nuclear Plant – Unit 1
Inservice Inspection Program
Owner's Activity Report for Outage 1R25**

Enclosure 3

**1R25 Form OAR-1 Owner's Activity Report, Table 2, Abstract of Repairs,
Replacement, or Corrective Measures Required for Continued Service**

ABSTRACT OF REPAIRS, REPLACEMENT OR CORRECTIVE MEASURES REQUIRED FOR CONTINUED SERVICE

UNIT 1 Cycle 25 TABLE 2

Code Class	Item Description	Description of Work	Date Completed	Repair/Replacement Plan Number
3	10" Piping	Replaced Section of Unit 1 Div. II PSW piping found to be leaking during G-Scan activities.	3/2/12	WO SNC341062
3	10" Piping	Replaced Section of Unit 1 Div. II PSW piping located in the Valve Box, found to be leaking during tape coat removal of underground piping.	2/26/12	WO SNC361263
3	30" PSW Piping Elbow	Due to the inability to isolate thru-wall leakage in a 30" PSW piping elbow, a temporary non-Code replacement was implemented per Temp Mod 1-10-023 on July 30, 2010 (WO 1101202105). The non-Code replacement consisted of leaving the defect (thru wall leakage) in the elbow and welding an assembly of a small section of 6" piping with a flanged connection and drain valve with a threaded pipe cap over the leak location. Due to this being a non-Code replacement, HNP-ISI-ALT-10 was submitted to the NRC for approval of the proposed replacement which had been prepared in accordance with NRC GL 90-05. Proposed non-Code replacement performed in accordance with B31.1, 2007 Edition. Acceptable per IWA-4224.1(a). A Code Repair was performed during the 1R25 outage.	3/1/2012	WO SNC105658

ABSTRACT OF REPAIRS, REPLACEMENT OR CORRECTIVE MEASURES REQUIRED FOR CONTINUED SERVICE

UNIT 1 Cycle 25 TABLE 2

Code Class	Item Description	Description of Work	Date Completed	Repair/Replacement Plan Number
1	¾" HPCI Piping Elbow	Replaced a ¾" elbow found leaking during the RPV Leakage Test.	3/15/2012	WO SNC377855