



Entergy Operations, Inc.
P.O. Box 756
Port Gibson, Mississippi 39150
Tel: 601-437-2800

Christina Perino
Licensing Manager

GNRO-2012/00110

September 11, 2012

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

Subject: Inservice Inspection Summary Report
Grand Gulf Nuclear Station, Unit 1
Docket No. 50-416
License No. NPF-29

Dear Sir or Madam:

Attached is the Owner's Activity Report, OAR-1-00011, as required by Section XI of the American Society for Mechanical Engineers (ASME) Code (Code). The report was prepared and submitted in accordance with the requirements of ASME Code Case N-532-4 as authorized by the Nuclear Regulatory Commission. The report contains an overall summary of Inservice Inspections performed from May 2010 to June 2012 which encompasses portions of the First and Second Periods of the Third Interval. The First Period of the Third Interval began in June 2008 and ended in May 2011. The Second Period of the Third Interval started June 2011. The report has been certified in accordance with Code requirements.

There are no new commitments contained in this submittal. If you have any questions or require additional information, please contact Ernest Rufus at (601) 437-6582.

Sincerely,

A handwritten signature in black ink, appearing to read "Christina Perino".

CLP/RRJ

Attachment: Report Number OAR-1-00011

cc: (see next page)

CC:

NRC Senior Resident Inspector
Grand Gulf Nuclear Station
Port Gibson, MS 39150

U.S. Nuclear Regulatory Commission
ATTN: Mr. Elmo E. Collins, Jr. (w/2)
Region Administrator, Region IV
1600 East Lamar Boulevard
Arlington, TX 76011-4511

U. S. Nuclear Regulatory Commission
ATTN: Mr. Alan Wang, NRR/DORL (w/2)
Mail Stop OWFN 8 B1
Washington, DC 20555-0001

**Attachment
To
GNRO-2012/00110**

Report Number OAR-1-00011

REPORT NUMBER OAR-1-00011

INSERVICE INSPECTION SUMMARY REPORT

FOR

GRAND GULF NUCLEAR STATION UNIT 1

BALD HILL ROAD

PORT GIBSON, MS. 39150

COMMERCIAL OPERATION DATE: JULY 1, 1985

OWNER/OPERATOR

ENTERGY OPERATIONS, INC.

ECHELON ONE

P.O. BOX 31995

JACKSON, MS. 39286-1995

PREPARED BY



RESPONSIBLE ENGINEER

APPROVED BY



ANII INSPECTOR

APPROVED BY



SUPERVISOR, CODE PROGRAMS

DOCUMENT COMPLETION

9/10/12

DATE

FORM OAR-1 OWNER'S ACTIVITY REPORT

Report Number OAR-1-00011

Plant Grand Gulf Nuclear Station, Bald Hill Road, Port Gibson, MS 39150

Unit No. 1 Commercial Service Date July 1, 1985 Refueling Outage No. 18

Current Inspection interval 3rd

Current Inspection period 2nd

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

Date and revision of Inspection plans January 16, 2012 Rev. 0

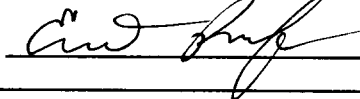
Edition and Addenda of Section XI applicable to the repair/replacement activities, if different than the inspection plans

NONE

Code Cases used: N-532-4, N-513-2, N-504-4, N-638-4

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 RF18 conform to the requirements of Section XI.

R/R Coordinator:  Date: 9/10/12

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 Mississippi and employed by HSB of Hartford, CT, have inspected the items described in this Owners Activity Report and state that, to the best of my knowledge and belief, the Owner has performed all the activities represented in 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 activities 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 loss of any kind arising from or connected with this inspection.

ANII Signature:  (Inspectors Signature)

Commissions: MS4676 (National Board, State, Province, and Endorsements)

Date: 9-10-12

TABLE 1
 ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT REQUIRED EVALUATION FOR
 CONTINUED SERVICE

Examination Category and Item Number	Item Description	Evaluation Description
Not Applicable	Standby Service Water "A" Discharge Safety Relief Valve	Finite Element Analysis on 1P41F299A to determine end-of-life and minimum allowable thickness
Not Applicable	Standby Service Water "B" Discharge Safety Relief Valve	Finite Element Analysis on 1P41F299B to determine end-of-life and minimum allowable thickness
Not Applicable	Standby Service Water Fan "B" Gearbox Vent Line	Continued service was evaluated in accordance with Code Case N-513-2
Not Applicable	Standby Service Water Fan "C" Gearbox Vent Line	Continued service was evaluated in accordance with Code Case N-513-2
R-A R1.16	RHR/LPCI Inlet Nozzle-to-Safe End Weld	Axial oriented flaw identified during ISI Exam and Weld Overlay performed in accordance with Code Cases N-504-4 and N-638-4

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	Standby Service Water Pump	Replace 1P41C002 Pump with Rebuilt Spare	5/28/12	209927-01
2	Plant Chilled Water Isolation Valve	Replace 1P71F149 valve wedge	5/20/12	310720-02
3	Standby Service Water Fan "A" Gearbox Drain Line	Replace 1P41C003A Fan Gearbox Drain Line	2/9/12	246499-12
2	Radwaste Supply Header Isolation Valve	Removed and reinstalled leak-off line for 1G33F406A during stem replacement	8/27/12	69401-01
1	Main Steam Line Drain Valve Leak-off Line Weld	Removed and reinstalled leak-off line for 1B21F016 during stem replacement	9/5/12	69249-01
1	Reactor Nozzle N06B	Weld Overlay on Reactor Nozzle to Safe-End Weld	5/30/12	292095-01
3	"B" High Pressure Core Spray Diesel Water Cooler Inlet Valves	Replacement of 1P41F185B and 1P41F186B	9/5/12	79906-01
3	Standby Service Water Piping	Perform Weld Buildup on External Portion of Piping due of external corrosion	9/5/12	236701-01
3	Standby Service Water Piping	Replacement of 1P41F299B Discharge Piping	2/9/12	205289-01
3	ESF Switchgear Room Cooler Supply Line Drain Valve	Replacement of 1P41F323	2/9/12	129492-02