



Entergy Nuclear South
Entergy Operations, Inc.
17265 River Road
Killona, LA 70057-3093
Tel 504-739-6715
rmurill@entergy.com

Robert Murillo
Licensing Manager
Waterford 3

W3F1-2007-0014

March 27, 2007

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

SUBJECT: Submittal of Owner's Activity Report Form for Inservice
Inspection Performed During Refueling Outage 14
Waterford Steam Electric Station, Unit 3
Docket No. 50-382
License No. NPF-38

Dear Sir or Madam:

Attached is the subject report which covers the Owners Activity Report Form, OAR-1, for Waterford 3 refueling outage (RFO) 14, enclosed as Attachment 1. This report is being submitted in accordance with ASME Code Case N-532-1, "Alternative Requirements to Repair and Replacement Documentation Requirements and Inservice Summary Report Preparation and Submission as Required by IWA-4000 and IWA-6000," which was adopted for use at Waterford 3 commencing at the end of RFO-12.

The OAR-1 form is prepared and certified upon completion of each refueling outage. This OAR-1 form provides a summary of the examinations performed during the refueling outage in the third period of the second 10 year Inservice Inspection (ISI) interval. A copy of this letter and the attached report will also be submitted to the office of the Louisiana State Fire Marshall.

There are no new commitments contained in this submittal. Should you have any questions regarding this submittal, please contact Ron Williams at (504) 739-6255 or Richard Redmond at (504) 739-6963.

Very truly yours,

RJM/RLW/dpg

Attachment 1 Owner's Activity Report for Inservice Inspection
Performed During Refueling Outage 14

A047

cc: Dr. Bruce S. Mallett
U. S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive, Suite 400
Arlington, TX 76011

NRC Senior Resident Inspector
Waterford 3
P.O. Box 822
Killona, LA 70066-0751

U.S. Nuclear Regulatory Commission
Attn: Mr. Mel Fields MS O-7D1
Washington, DC 20555-0001

Wise, Carter, Child & Caraway
Attn: J. Smith
P.O. Box 651
Jackson, MS 39205

Louisiana Department of Environmental Quality
Office of Environmental Compliance
Surveillance Division
P. O. Box 4312
Baton Rouge, LA 70821-4312

American Nuclear Insurers
Attn: Library
Town Center Suite 300S
29th S. Main Street
West Hartford, CT 06107-2445

Charles Fredieu
Office of the State Fire Marshall
5150 Florida BLVD
Baton Rouge, LA 70806

ATTACHMENT 1

Owner's Activity Report for Inservice inspection

Performed During Refueling Outage 14

FORM OAR-1 OWNER'S ACTIVITY REPORT

Report Number: Cycle 14 / Refuel 14

Owner: Entergy Operations, Inc., 1340 Echelon Parkway,
Jackson, MS 39213
(Name and Address of Owner)

Plant: Waterford Steam Electric Station, 17265 River Road,
Killona, LA 70057
(Name and Address of Plant)

Unit No.: 3 Commercial service date: 09/24/85 Refueling outage: 14

Current inspection interval: 2nd
(1st, 2nd, 3rd, 4th, Other)

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

Edition & Addenda of Section XI applicable to inspection plan: 1992 Edition

Date and revision of inspection plan: 07/15/2001, Revision 10.

Edition & Addenda of Section XI applicable to repairs & replacements, if different than the inspection plan: N/A

CERTIFICATE OF COMPLIANCE

I certify that the statements in this Owner's Activity Report are correct, and that the examinations, tests, repairs, replacements, evaluations, and corrective measures presented by this report conform to the requirements of Section XI.

Certificate of Authorization No.: N/A Expiration Date: N/A
(if applicable)

Signed: *Richard G. Redmond*
Richard G. Redmond, ASME Repair & Replacement Date: 03/12/2007
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Louisiana and employed by HSB-CT of Hartford, CT have inspected the items described in this Owner's Activity Report, during the period of June, 2005 to December, 2006 and states 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 examinations, tests, repairs, replacements, evaluations and corrective measures 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

Zafiro C. Cordero
Zafiro C. Cordero Commissions: LA, 1406 ; N, I, NS
Inspector's Signature National Board, State, Province, and Endorsements

Date: 03/13/2007

TABLE 1					
ABSTRACT OF EXAMINATIONS AND TEST					
Exam Category	Total Examinations Required for the Interval	Total Examinations Credited for this Period	Total Examinations Credited (%) for the Period	Total Examinations Credited (%) to Date for the Interval	Remarks
B-A	26	0	0%	12%	None
B-B	8	0	0%	50%	None
B-D	34	0	0%	53%	Note 10
B-F	5	0	0%	60%	None
B-G-1	264	32	25%	63%	None
B-G-2	12	4	100%	100%	None
B-J	190	0	0%	59%	Note 10
B-K	4	0	0%	50%	None
B-L-1	0	0	-	-	Note 8
B-L-2	0	0	-	-	Note 8
B-M-1	1	0	0%	0%	None
B-M-2	1	0	0%	100%	None
B-N-1	3	0	0%	67%	Note 1
B-N-2	22	0	0%	0%	None
B-N-3	1	0	0%	0%	None
B-O	16	0	0%	0%	None
B-P	56	16	67%	86%	Note 1
B-Q	-	-	-	-	Note 2
C-A	9	1	33%	78%	Note 10
C-B	14	3	60%	86%	Note 9 Note 10
C-C	29	9	69%	86%	Note 10
C-D	0	0	-	-	Note 4
C-F-1	112	18	40%	74%	Note 10
C-F-2	30	3	27%	73%	Note 10
C-G	3	1	100%	100%	None
C-H	267	22	52%	84%	Note 6
D-A	25	8	80%	92%	None
D-B	177	39	67%	86%	Note 7
F-A	270	85	77%	90%	Note 10
RG1.14	8	0	0%	0%	None
E-A	597	199	33%	100%	Note 3
E-C	0	0	0%	-	Note 4
E-D	15	5	33%	100%	Note 5
E-G	27	9	33%	100%	None

TABLE 1
ABSTRACT OF EXAMINATIONS AND TEST - NOTES

Note 1:

All Refuel 14 required Pressure Tests for Category B-P (8 are required to be performed every Refuel Outage) were completed. The B-N-1 component exam was performed during the RF-12 Outage (Period 2) and credited for both Cycle 12 OAR-1 and Cycle 13 OAR-1. The Cycle 14 OAR-1 will show that the 3rd period has not been credited with the B-N-1 exam and that the interval percentage stayed the same as the Cycle 12 OAR-1 interval percentage. This exam is scheduled for examination in Cycle 15 (Period 3).

Note 2:

Inspections were performed in accordance with Technical Specification 3/4.4.4 "Steam Generator (SG) Tube Integrity" and NEI 97-06 "S/G Program Guidelines". Waterford 3 performs 100% Eddy Current inspection of the inservice Steam Generator tubes every Refuel Outage.

Note 3:

Per 10CFR 50.55a(b)(2)(ix)(E), a general visual examination is required for each period. This examination covers all accessible pressure retaining surfaces. A general visual examination was completed for all accessible surfaces in this period.

Note 4:

There are currently no exam category E-C Examinations required at Waterford 3.

Note 5:

100% of the moisture barriers are examined due to detected flaws. 33% of the moisture barriers are credited for the 3rd period requirements.

Note 6:

Currently 89 C-H examinations selected for each period from a total population of 89.

Note 7:

Currently 59 D-B examinations selected for each period from a total population of 59.

Note 8:

There are no exam category B-L-1 or exam category B-L-2 examinations selected for the interval.

Note 9:

Ten Items are being examined each interval with 2 of the 10 items examined each period.

Note 10:

Changes in the first and second period examination numbers from previous OAR-1 reports are the result of; 1) modifications to the plant, 2) exams performed in RF13 that were credited in the second period, or 3) removal of pre-service examinations that had been previously credited.

**Table 2
Items With Flaws or Relevant Conditions That
Required Evaluation for Continued Service**

Examination Category	Item Number	Item Description	Flaw Characterization (IWA-3300)	Flaw or Relevant Condition Found During Scheduled Section XI Examination or Test (Yes or No)
B-Q	B16.20	(SG MSG0002) The batwing visual inspection indicates additional batwing failures have occurred in Steam Generator 2. These batwings are a non-ASME B&PV Code, structural assembly located in the stay cylinder area. This was reported under OE-24018 .	Condition Report (CR-WF3-2006-3966) documented a formal root cause during RF14 establishing undersized welds attributed to manufacturing workmanship errors from the original construction. The welds were repaired as directed by Engineering in an Engineering Request (ER-W3-2006-0362).	YES

**Table 3
Abstract of Repairs, Replacements, or Corrective Measures
Required for Continued Service**

Code Class	Repair, Replacement, Or Corrective Measure	Item Description	Description Of Work	Flaw or Relevant Condition Found During Scheduled Section XI Examination or Test (Yes/No)	Date Complete	Repair/ Replacement Plan Number
1	Corrective Measure	SGMSG0001	Preventive actions to preclude tube degradation including stabilization and mechanical plugging of selected tubes. 358 tubes were plugged in RF14	Yes	12/20/2006	WO 71038
1	Corrective Measure	SGMSG0002	Preventive actions to preclude tube degradation including stabilization and mechanical plugging of selected tubes. 460 tubes were plugged in RF14.	Yes	12/23/2006	WO 71036