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W3F1-2002-0040
A4.05
PR

April 22, 2002

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

Subject: Waterford 3 SES
Docket No. 50-382
License No. NPF-38
15-Day Special Report SR-02-001-00 on the 11th Refueling
Outage Steam Generator Tube Inservice Inspection

Gentlemen:

Attached is Special Report (SR) Number SR-02-001-00, Steam Generator Eddy Current Examination (11th Refueling Outage), from Entergy Operations, Inc (EOI) Waterford Steam Electric Station Unit 3. This report provides the results of the Refuel 11 Steam Generator Tube Inservice Inspection in accordance with Technical Specifications 4.4.4.5.a and 6.9.2.

This letter contains no commitments. If you have any questions concerning the above, please contact R.L. Williams at (504) 739-6255 or B.R. Fitzsimmons at (504) 739-6546.

Very truly yours,

A handwritten signature in cursive script, appearing to read "Robert D. Peters".

R.D. Peters
Acting, Director
Nuclear Safety Assurance

RDP/RLW/cbh
Attachment

cc: E.W. Merschoff, (NRC Region IV), N. Kalyanam, (NRC-NRR),
J. Smith, N.S. Reynolds, NRC Resident Inspectors Office,
Louisiana DEQ/Surveillance Division

A001

Attachment 1

**Special Report
SR-02-001-00**

Special Report SR-02-001-00

Steam Generator Eddy Current Examination (11th Refueling)

This report is submitted in accordance with Technical Specification (TS) 4.4.4.5.a, which requires reporting the number of tubes plugged in each Steam Generator (S/G) within 15 days following completion of S/G tube Inservice Inspection (ISI) in accordance with TS 6.9.2.

On April 5, 2002, Waterford 3 completed a 98% inservice eddy current bobbin coil full length examination of each S/G and a 100% examination of the hot leg top of the tubesheet (+2" and - 5" tubesheet plane interface) utilizing an EPRI Appendix H approved technique "Plus Pt." rotating probe technology. The remaining 2% of each S/G's low rows 1, 2, and 3 were examined with the bobbin coil in the straight sections and 100% of the U-bends were (7Cold to 7Hot) inspected with the "Plus Pt." rotating probe. The S/G primary side inspection for Refuel #11 was completed on April 12, 2002.

A more detailed annual follow-up report will be submitted to the NRC Staff in accordance with TS 4.4.4.5.b by April 12, 2003.

The total number of tubes plugged in each S/G is shown below:

	<u>S/G #1</u>	<u>S/G #2</u>
<u>Manufacturing/Preservice</u>	6	20
<u>Batwing (Preventive Plugging)</u>	149	149
<u>First Refueling</u>	0	1
<u>Second Refueling</u>	3	0
<u>Third Refueling</u>	10	9
<u>Fourth Refueling</u>		
- Preventive Plugging as a result of ECT	4	5
- Batwing Preventive Plugging	156	156
<u>Fifth Refueling</u>	4	5
<u>Sixth Refueling</u>		
- Preventive Plugging as a result of ECT	1	2

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Steam Generator Eddy Current Examination (11th Refueling)

<u>Seventh Refueling</u>	<u>S/G #1</u>	<u>S/G #2</u>
- Preventive Plugging as a result of ECT	6	3
- >40% thru-wall indications	2	0
- Single circumferential indications	6	1
 <u>Eighth Refueling</u>		
- Top of the tubesheet		
Loose Part Indications	3	3
Multiple Circumferential Indications	2	0
Single Volumetric Indications	2	1
Multiple Axial Indications	1	0
Single Circumferential Indication	12	7
Single Axial Indications	9	7
- Wear Indications \geq 40% Thru Wall	0	7
 <u>Ninth Refueling</u>		
- Top of the tubesheet:		
Single Volumetric Indications	0	1
Single Circumferential Indications	2	3
Single Axial Indications	3	0
- Indications at Eggcrates:		
Single Axial Indications	5	3
Single Circumferential Indications	0	1
- Wear Indications \geq 40% Thru Wall	1	1
- Wear Indications < 40% Preventively Plugged	1	1

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Steam Generator Eddy Current Examination (11th Refueling)

<u>Tenth Refueling</u>	<u>S/G#1</u>	<u>S/G#2</u>
- Top of the tubesheet:		
Single Volumetric Indications	0	4
Multiple Volumetric Indications	1	0
Single Circumferential Indications	4	8
(All Circumferential Indications were Stabilized and Plugged.)		
Single Axial Indications	21	20
Multiple Axial Indications	0	2
- Indications at Eggcrates:		
Single Axial Indications	2	0
Single Circumferential Indications	0	0
- Wear Indications \geq 40% Thru Wall	0	3
- Wear Indications < 40% Preventively Plugged	0	1
The Total number of tubes plugged Refuel 10	<u>28</u>	<u>38</u>

Eleventh Refueling

- Top of the tubesheet:		
Single Circumferential Indications	12	3
(All Circumferential Hot Leg Top of Tubesheet Indications within the Expansion Transition Region were Stabilized and Plugged.)		
Single Axial Indications	9	1
- Indications at Eggcrates:		
Single Axial Indications	2	0
Wear Indications \geq 40% Thru Wall	0	1
Wear Preventively Plugged	1	1
- Freespan DING	1	1
- Permeability	1	0
- Inner Diameter Chatter	0	3
The Total number of tubes plugged RF#11	<u>26</u>	<u>10</u>

The Total number of tubes that have been plugged to date in each S/G:	<u>444 (4.7%)</u>	<u>434 (4.6%)</u>
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