



**Entergy  
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Waterford 3  
**W3F1-95-0174**  
**A4.05**  
**PR**

October 23, 1995

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  
Reporting of Special Report

Gentlemen:

Attached is Special Report Number SR-95-002-00 for Waterford Steam Electric Station Unit 3. This Special Report is submitted per 10CFR50.36(c)(2) and Technical Specifications 4.4.4.5.a and 6.9.2.

Very truly yours,

D.R. Keuter  
General Manager  
Plant Operations

DRK/DFL/tjs  
Attachment

cc: L.J. Callan, NRC Region IV  
C.P. Patel, NRC-NRR  
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SPECIAL REPORT  
SR-95-002-00

Steam Generator Eddy Current Examination  
(7th Refueling)

On October 11, 1995, Waterford 3 completed a 20% inservice eddy current bobbin coil full length examination of each Steam Generator (S/G) and 100% hot leg top of the tubesheet. 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 S/G within 15 days of completing Inservice Inspection (ISI) of S/G tubes pursuant to TS 6.9.2. A follow-up report will be submitted in accordance with TS 4.4.4.5.b by October 11, 1996.

The total number of tubes which have been plugged in each S/G are 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

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	<u>S/G #1</u>	<u>S/G#2</u>
<u>Sixth Refueling</u>		
- Preventive Plugging as a result of ECT	1	2
- 40% Thru-Wall Indications	2	0
<u>Seventh Refueling</u>		
- Preventive Plugging as a result of ECT	6	3
- > 40% thru-wall indications	2	0
- Single circumferential indications	6	1
- S/G #1 cold leg leaking plug replaced	*	

The total number of tubes which have been plugged in each S/G:

	<u>S/G #1</u>	<u>S/G#2</u>
Total:	349	351

\*S/G #1 cold leg Row 41, Line 89 removed and replaced with a ABB-CE rolled mechanical plug. ABB-CE identified the leaking plug due to the build-up of boric acid crystals around the OD of the plug. The CE leaking rolled mechanical plug was installed as a preventive measure August 1985 prior to commercial operation. The ABB-CE rolling process was suspect shortly after installation which caused Waterford 3 to re-roll 149 CE plugs per channel head in each S/G (12/86).

As evident by boric acid build-up, the ABB-CE leaking plug was removed by TIG relaxation and replaced with another rolled mechanical plug. CR-95-0895 was written on October 3, 1995 to evaluate root cause of plug failure.

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Steam Generator Eddy Current Examination  
(7th Refueling)

In compliance with Waterford 3's response to Generic Letter 95-03, Waterford 3 utilized the "Plus Point" coil probe to identify a total of seven hot leg top of the tubesheet small ( $\leq 20\%$  thru-wall, OD initiated) single circumferential indications. The results of completing a 100% hot leg top of the tubesheet plus point coil inspection of both S/Gs has identified the following indications:

Single Circumferential Indications

S/G #1  
6

S/G #2  
1