



OCT 12 2004

L-2004-217
10 CFR 50.36

William D. Travers
Regional Administrator
U. S. Nuclear Regulatory Commission
Atlanta Federal Center
61 Forsyth Street, S.W., Suite 23T85
Atlanta, GA 30303

Re: Turkey Point Unit 4
Docket No. 50-251
Steam Generator Tube Plugging
Inservice Inspection 12-Month Special Report

In accordance with Turkey Point Technical Specification 4.4.5.5.b, the subject Special Report is submitted pursuant to Technical Specification 6.9.2 for Turkey Point Unit 4 as a result of the End of Cycle (EOC) 20 inservice inspection of steam generator tubes.

The Turkey Point Unit 4 steam generators were inspected from October 15, 2003, through October 20, 2003. A total of 4 steam generator tubes were plugged as a result of this inspection. Tube plugging for each steam generator is summarized in the following table.

Turkey Point Unit 4 Steam Generator Tube Plugging

Steam Generator	SG 4A	SG 4B	SG 4C
Prior Tubes Plugged	19	13	11
EOC 20 Tubes Plugged	4	0	0
Total Tubes Plugged	23 (0.72%)	13 (0.40%)	11 (0.34%)

EOC 20 tube plugging included one tube that was plugged due to minor loose part wear at the flow baffle, a second one that was plugged due to a small volumetric indication caused by mechanical means during loose part retrieval activities during the EOC 20 outage and two tubes that contained shallow pit-shaped single volumetric (SVI) wear indications at the flow baffle.

The total tube count is shown under "Total Tubes Inspected" on the attached "Form NIS-BB" "Owners' Data Report For Eddy Current Examination Results, Attachment 1. Attachment 2 provides the "All Tubes with Pluggable Indications" report.

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The attached report summarizes the results of the Unit 4 steam generator tube inservice inspection.

Should there be any questions, please contact us.

Sincerely,

A handwritten signature in black ink that reads "Terry Jones". The signature is written in a cursive style with a large, stylized "T" and "J".

Terry O. Jones
Vice President
Turkey Point Nuclear Plant

SM

Attachments

cc: USNRC, Document Control Desk, Washington, D.C.
Senior Resident Inspector, USNRC, Turkey Point Plant

ATTACHMENT 1

FORM NIS-BB OWNERS' DATA REPORT FOR EDDY CURRENT EXAMINATION RESULTS As required by the provisions of the ASME CODE RULES

EDDY CURRENT EXAMINATION RESULTS

PLANT: Turkey Point Unit 4
EXAMINATION DATE: October 15, 2003 to October 20, 2003

STEAM GENERATOR	TOTAL TUBES INSPECTED	TOTAL TUBES 20%-39%	TOTAL TUBES $\geq 40\%$, PIT & VOL	TUBES PREVENTATIVELY PLUGGED (PTP)	TUBES PLUGGED THIS OUTAGE	TOTAL PLUGGED TUBES IN S/G
4E210A (Bobbin)	3195	1 (1)	0	0	0	See RPC
4E210B (Bobbin)	3201	0	0	0	0	See RPC
4E210C (Bobbin)	3203	2 (1)	0	0	0	See RPC
4E210A (RPC)	3195 ₍₄₎	0	2	2	4	23
4E210B (RPC)	3201 ₍₄₎	0	0	0	0	13
4E210C (RPC)	3203 ₍₄₎	0	0	0	0	11

LOCATION OF INDICATIONS (20% - 100%, PIT & VOL, WAR, PLP, SVI)

STEAM GENERATOR	AVB Bars	Tube Supports 1 thru 6 C/L	Tube Supports 1 thru 6 H/L	Freespan 6H thru 6C UBEND	Top of Tubesheet to #1 Support C/L	Top of Tubesheet to #1 Support H/L	Total Indications 20%-39%	Total Indications $\geq 40\%$, PIT & VOL
4E210A (Bobbin)	1	0	0	0	0	0	1	0
4E210B (Bobbin)	0	0	0	0	0	0	0	0
4E210C (Bobbin)	2	0	0	0	0	0	2	0
4E210A (RPC)	0	0	0	0	1 (2)	3 (3) (5)	0	4
4E210B (RPC)	0	0	0	0	0	0	0	0
4E210C (RPC)	0	0	0	0	0	0	0	0

LOCATION OF INDICATIONS (1% - 19%) Bobbin Probe Only

STEAM GENERATOR	AVB Bars	Tube Supports 1 thru 6 C/L	Tube Supports 1 thru 6 H/L	Freespan 6H thru 6C UBEND	Top of Tubesheet to #1 Support C/L	Top of Tubesheet to #1 Support H/L	Total Indications 1%-19%	Total Indications 1%-39% Left in Service
4E210A (Bobbin)	6	0	1 (6)	0	0	0	7	8
4E210B (Bobbin)	12	1 (6)	0	0	0	0	13	13
4E210C (Bobbin)	9	0	0	0	0	0	9	11

Remarks:

- Mechanical wear damage at anti-vibration bars (AVB) was depth sized using qualified bobbin coil sizing technique.
- One tube in 4A was preventatively plugged due to VOL type signal at TSC +12.5 inches.
- One tube in 4A was preventatively plugged due to minor wear associated with a possible loose part (PLP) at the hot leg baffle plate
- Includes tubes in the dent, low row U-bend and hot leg TTS expansion transition programs.
- Two tubes in 4A were reported as Pit-like (PIT) indications at BAH, were called single volumetric indications (SVI) and were plugged.
- Indications detected at broached supports by bobbin coil and confirmed to be low level wear (WAR) by rotating coil

ATTACHMENT 2

Framatome ANP Inc.
Customer Name: Turkey Point - Unit 4
Component: S/G A

All Tubes with Pluggable Indications in Steam Generator "A"

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	UTIL1	CAL #	LEG	PROBE
3	1	0.22	71	P 4	SVI	PIT	BAH -0.38	BAH BAH	23	44	HOT	720PP
23	10				PLP	PTP	BAH +0.34	BAH BAH		44	HOT	720PP
40	28	0.31	102	P 4	SVI	PTT	BAH -0.22	BAH BAH	25	44	HOT	720PP
45	45	0.56	112	1	VOL		TSC +12.15	TSC BAC	24	44	COLD	720PP
						PTP		TSC BAC		44	COLD	720PP

Total Tubes : 4
Total Records: 5

NO TUBES WERE PLUGGED IN STEAM GENERATOR "B"

NO TUBES WERE PLUGGED IN STEAM GENERATOR "C"