



Florida Power & Light Company, 6351 S. Ocean Drive, Jensen Beach, FL 34957

January 28, 2000

L-2000-030
10 CFR 50.36
10 CFR 50.4

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

Re: St. Lucie Unit 1
Docket No. 50-335
1999 Steam Generator Tube
Inservice Inspection Special Report

Attached is the Steam Generator Tube Inservice Inspection Special Report required by sections 4.4.5.5.b and 6.9.2 of the St. Lucie Unit 1 Technical Specifications for the Fall 1999 refueling outage (SL1-16). The report is to be submitted within one year of completing the refueling outage steam generator inservice inspection.

Should you have any questions on this information, please contact us.

Very truly yours,

A handwritten signature in black ink that reads "Rajiv S. Kundalkar". The signature is fluid and cursive.

Rajiv S. Kundalkar
Vice President
St. Lucie Plant

RSK/tlt

Attachment

cc: Regional Administrator, Region II, USNRC
Senior Resident Inspector, USNRC, St. Lucie Plant

St. Lucie Unit 1
Docket 50-335
L-2000-030 Attachment

In accordance with Plant Technical Specification Section 4.4.5.5.b, the attached information provides summarized results for the inservice examination of steam generator tubing, and is to be submitted to the Commission within 12 months of the examination completion date.

1. Approximately 52% of all inservice tubes in Steam Generators (S/Gs) 1A and 1B were examined from tube end to tube end. This is shown under "Total Tubes Inspected" on the attached "FORM NIS-BB "OWNERS' DATA REPORT FOR EDDY CURRENT EXAMINATION RESULTS."
2. The location and percent of wall thickness penetration is summarized on the attached "FORM NIS-BB" under "Location of Indications." Only mechanical wear damage was assigned a through-wall depth using qualified sizing techniques. No corrosion or cracking damage was identified.
3. The specific tubes plugged are identified on the "Pluggable Tubes List" which is attached. The tubes plugged are also summarized in the upper section of the attached FORM NIS-BB. It should be noted that all tubes were plugged as preventative measure and none exceeded the Technical Specification plugging criteria of 40% through-wall. No tubes required plugging in S/G 1B.



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

EDDY CURRENT EXAMINATION RESULTS

Plant: St. Lucie Unit 1

Exam Dates: September 21 thru September 26

Steam Generator	Total Tubes Inspected	Total Tubes 20%-39%	Total Tubes > = 40% & Vol	Tubes Plugged as Preventive Maintenance	Tubes Plugged This Outage	Total Plugged Tubes in S/G
769802A	5055	11 ₍₁₁₎	0	11	11	11
769801B	4665	0	0	0	0	0

LOCATION OF INDICATIONS
(20%-100%, & VOL)

Steam Generator	U BENDS CBH to CBC	Lattice Grids (TSP's) 01 to 07		Top of Tube Sheet to 1st TSP		Total Indications 20%-39%	Total Indications > = 40% & VOL
		H/L	C/L	H/L	C/L		
769802A	12	0	0	0	0	12 ₍₁₁₎	0
769801B	0	0	0	0	0	0	0

Remarks: All tubes were preventively plugged (PTP) as a result of wear detected primarily at the Fan Bar locations.

1. Row 27 Line 100 is listed as 30%/ VOL (volumetric) and is considered to be related to a manufacturing or installation anomaly.

Date: 12/13/99

Prepared By: Wolfgang K Heise
S/G Eddy Current Coordinator

Date: 12/21/99

Reviewed By: Glenn P. Allford
Inspections Supervisor

Date: 12-16-99

Reviewed By: M L Boyers
S/G Technical Specialist

PLUGGABLE TUBES LIST
PSL-1

PSLSGA99.PLG
ENG/CSI SECTION
CNR # :
Page : of
Date : 09/26/99
Time : 1700

FINAL PLUG LIST

COMPONENT :S/G A

ROW	COL	ZONE	EXT	LEG	EXTENT	REEL	CH	STABILIZER REQUIRED	LOCATION	%	Volts	Deg	Dataset
102	77	18	TEH	EC	TEHTEC	AC088			F10 0.6	PTP	0.0	0	2S-NDD
106	77	18	TEH	EC	TEHTEC	AC088			F10 0.7	PTP	0.0	0	3S-NDD
116	77	22	TEH	EC	TEHTEC	AC088			F10 0.6	PTP	0.0	0	3S-NDD
118	77	22	TEH	EC	TEHTEC	AC088			F10 0.6	PTP	0.0	0	1S-IMP
122	77	22	TEH	EC	TEHTEC	AC088			F10 0.6	PTP	0.0	0	2S-NDD
69	92	12	TEH	EC	TEHTEC	AC088			F04 -1.8	PTP	0.0	0	WAR_EXP5
			TEH	EC	TEHTEC	AC088			F09 -2.6	PTP	0.0	0	WAR_EXP5
85	92	18	TEH	EC	TEHTEC	AC088			F09 -2.6	PTP	0.0	0	WAR_EXP1
87	92	18	TEH	EC	TEHTEC	AC088			F09 -2.6	PTP	0.0	0	WAR_EXP1
89	92	18	TEH	EC	TEHTEC	AC088			F09 -2.2	PTP	0.0	0	WAR_EXP1
105	92	18	TEH	EC	TEHTEC	AC088			F05 -0.4	PTP	0.0	0	WAR_EXP5
27	100	7	TEH	EC	TEHTEC	AC055	P 1		CBH 1.2	PTP	0.3	122	2S-NDDP
			TEH	EC	CBH07H	AH070	2		CBH 0.9	VOL	0.5	112	2S-NDDP

Number of Pluggable Tubes : 11

Number of Indications : 13

Selection Criteria :

PerCent T.W. ...: 40

Includes ADI,NQI,DSI,DTI,DRI,LPI,TBP,TRS,PTP,CSI,ASI,CMI,AMI,CEI,EZI,VOL,MMI Codes

Kimberly Corbitt 09/26/99
Prepared by : Kimberly Corbitt

Wolfgang K Heise
Reviewed by : Wolfgang Heise

Billy J Long PSL QA.

Lee J Beaton PSL QA

INDICATIONS/TRENDING REPORT

PSL-1ie 1

OUTAGE : 09/99

COMPONENT : S/G A

DESCRIPTION : 1% to 19% (Imperfect Tubes)

Page : 1

Date : 11/15/99

Time : 09:48:05

		Extent				09/99								N/A				
Row	Col	Leg	***	Tst/Note	Reel	Probe	Location		Volts	Deg	Ch	%	Diff	Location	Volts	Deg	Ch	%
91	78	C		TEHTEC	AC088	A-610-M/ULC	CBC	1.9	.5	P 2	12							
115	78	C		TEHTEC	AC088	A-610-M/ULC	F10	2.0	.9	P 2	18							
77	92	C		TEHTEC	AC088	A-610-M/ULC	F09	-2.5	.9	P 2	17							
79	92	C		TEHTEC	AC094	A-610-M/ULC	F09	-2.4	.5	P 2	16							
			QIR	TEHTEC	AC094Q	A-610-M/ULC	F09	-2.4	.5	P 2	16							
95	92	C		TEHTEC	AC088	A-610-M/ULC	F09	-2.1	.9	P 2	17							
88	93	C		TEHTEC	AC088	A-610-M/ULC	F04	-.6	.6	P 2	13							

Number of RECORDS Selected from Current Outage : 7

Number of TUBES Selected from Current Outage : 6

