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VPNPD-95-099

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November 28, 1995

Document Control Desk
U.S. NUCLEAR REGULATORY COMMISSION
Mail Station P1-137
Washington, DC 20555

Gentlemen:

DOCKET 50-301
LICENSEE EVENT REPORT 95-005-00
STEAM GENERATOR TUBE DEGRADATION
POINT BEACH NUCLEAR PLANT, UNIT 2

Enclosed is Licensee Event Report (LER) 95-005-00 for Point Beach Nuclear Plant (PBNP), Unit 2. This report is provided in accordance with the requirements of PBNP Technical Specification Table 15.4.2-1, "Steam Generator Tube Inspection Per Unit, Point Beach Units 1 & 2," and 10CFR50.73(a)(2)(ii), "The licensee shall report...any event or condition that resulted in the condition of the nuclear power plant, including its principal safety barriers, being seriously degraded..."

This report describes the scope and results of the PBNP, Unit 2, steam generator eddy current inspection conducted during the Fall 1995 refueling and maintenance outage.

Please contact us if any further information is required.

Sincerely,

Bob Link
Vice President
Nuclear Power

KVA

Enclosure

cc: NRC Resident Inspector
NRC Regional Administrator

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NRC FORM 366 (4-95) U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB NO. 3150-0104
EXPIRES 04/30/98

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 50.0 HRS. REPORTED LESSONS LEARNED ARE INCORPORATED INTO THE LICENSING PROCESS AND FED BACK TO INDUSTRY. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (T-6 F33), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555-0001, AND TO THE PAPERWORK REDUCTION PROJECT

LICENSEE EVENT REPORT (LER)

(See reverse for required number of digits/characters for each block)

FACILITY NAME (1)	DOCKET NUMBER (2)	PAGE (3)
Point Beach Nuclear Plant, Unit 2	05000301	1 OF 42

TITLE (4)
Steam Generator Tube Degradation

EVENT DATE (5)			LER NUMBER (6)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)	
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAME	DOCKET NUMBER
										05000
10	25	95	95	-- 005 --	00	11	22	95	FACILITY NAME	DOCKET NUMBER 05000

OPERATING MODE (9)	N	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more) (11)							
POWER LEVEL (10)	0		20.2201(b)		20.2203(a)(2)(v)		50.73(a)(2)(i)		50.73(a)(2)(viii)
			20.2203(a)(1)		20.2203(a)(3)(i)	X	50.73(a)(2)(ii)		50.73(a)(2)(x)
			20.2203(a)(2)(i)		20.2203(a)(3)(ii)		50.73(a)(2)(iii)		73.71
			20.2203(a)(2)(ii)		20.2203(a)(4)		50.73(a)(2)(iv)		OTHER
			20.2203(a)(2)(iii)		50.36(c)(1)		50.73(a)(2)(v)		Specify in Abstract below
			20.2203(a)(2)(iv)		50.36(c)(2)		50.73(a)(2)(vii)		or in NRC Form 366A

LICENSEE CONTACT FOR THIS LER (12)

NAME	TELEPHONE NUMBER (Include Area Code)
Kenneth V. Arneson, Senior Engineer - Licensing	(414) 221-3362

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS
X	AB	SG	W120	Y						

SUPPLEMENTAL REPORT EXPECTED (14)				EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
	YES (If yes, complete EXPECTED SUBMISSION DATE).	X	NO				

ABSTRACT (Limit to 1400 spaces, i.e., approximately 15 single-spaced typewritten lines) (16)

PBNP, Unit 2 was shut down for Refueling 21 on October 7, 1995. Leak testing and eddy current examination of the steam generator (SG) tubes began on October 16, 1995, and was completed on October 25, 1995. Eddy current testing of the "A" SG revealed 117 tubes with indications in the roll transition, 247 tubes with indications in the tubesheet crevice region, five tubes with indications of tube support plate (TSP) wall loss, and 198 sleeved tubes with parent tube circumferential indications. Of these tubes, 323 were repaired and 244 were plugged.

In the "B" SG, eddy current testing revealed 13 tubes with indications in the roll transition, 236 tubes with indications in the tubesheet crevice region, six tubes with indications of TSP wall loss, and 67 sleeved tubes with parent tube circumferential indications. Of these tubes, 209 were repaired and 113 were plugged. Four additional tubes were plugged because repairs to these tubes were performed incorrectly.

The 800 psid secondary-to-primary leak test revealed evidence of potential leakage in four open tubes, eight mechanical plugs, and six sleeved tubes in the "A" SG, and in one open tube and nine mechanical plugs in the "B" SG. Five of the 11 in-service tubes were plugged due to eddy current indications that exceeded the plugging limit. The rest of the in-service tubes remain in service.

800 PSID Leak Test

Prior to eddy current inspection, 800 psid secondary-to-primary leak tests were performed in each steam generator. Remote video equipment was used to inspect for leakage at the primary tubesheet face. The results of the leak test are as follows:

Extent of Inspection	Steam Generator "A"	Steam Generator "B"
Tubes with evidence of potential leakage (<3 drops/min)	4	1
Mechanical plugs with evidence of potential leakage (≤4 drops/min)	8	9
Sleeved tubes with evidence of potential leakage (≤4 drops/min)	6	0
Total	18	10

Most of the moisture observed during the tests was believed to be either condensation from the tubesheet, trapped water in the recesses of plugs and sleeves, or minor seepage from sleeves. Because evidence of potential leakage on the plugged tubes did not exceed repair criteria, no repairs were made to the mechanical plugs. Five of the 11 in-service tubes were plugged due to eddy current indications that exceeded the plugging limit. The rest of the in-service tubes remain in service.

Eddy Current Testing

Eddy current testing began shortly after the leak tests were completed. The initial eddy current program used the Bobbin and Plus Point probes and included the following scope:

1. A full-length inspection of all in-service unsleeved tubes using the Bobbin coil probe.

2. The unsleeved portion of 23% of the sleeved tubes in "A" SG and of 55% of the sleeved tubes in "B" SG using the Bobbin coil probe.

3. Previously degraded tubes that had not been repaired using the Bobbin coil probe.

4. Reexamination of all hot leg distorted indications using the Plus Point probe.

5. The sleeved length of 20% of the hot leg and 20% of the cold leg sleeves were inspected for circumferential indications using the Plus Point probe.

The initial inspection revealed indications in greater than 1% of the HEJ-sleeved hot leg parent tubes in the lower hardroll transition. Additionally, the Plus Point probe detected two axial indications in the tubesheet region that the Bobbin coil probe had not detected. Based on these results, we expanded the scope of our eddy current inspection to include the following:

1. The sleeved length of all sleeved tubes in the hot legs of both steam generators was inspected using the Plus Point probe.

2. The full length of the tubesheet in all unsleeved tubes in the hot legs of both steam generators was inspected using the Plus Point probe.

"A" Steam Generator Tube Plugging

A total of 244 tubes were plugged in the "A" steam generator. 46 tubes were plugged due to degradation in the roll transition, tubesheet crevice, and/or tube support plate regions. In addition, 198 sleeved tubes were plugged due to parent tube circumferential indications in the upper hybrid expansion joint (HEJ).

Below is a list of affected tubes in the "A" steam generator, including a list of abbreviations used in the following two tables. Some tubes were required to be plugged for more than one reason. In these cases, the tube is listed once for each pluggable indication.

LIST OF ABBREVIATIONS

HL	Hot Leg	CL	Cold Leg
TEH	Tube End (HL)	SAI	Single Axial Indication
MAI	Multiple Axial Indications	02H	#2 Tube Support Plate (HL)
05H	#5 Tube Support Plate (HL)	01C	#1 Tube Support Plate (CL)
01H	#1 Tube Support Plate (HL)	03C	#3 Tube Support Plate (CL)
PTF	Parent Tube Flaw	SVI	Single Volumetric Indication
SCI	Single Circumferential Indication	ND	No Defect
BUH	Bottom of Upper HEJ Joint (HL)	TSH	Tubesheet (HL)
HRH	Bottom of Hardroll (HL)	MVI	Multiple Volumetric Indication

TUBES PLUGGED IN "A" STEAM GENERATOR

TUBE	DEFECT	LOCATION
R15C20	PTF	BUH 2.0
R9C21	PTF	BUH 2.2
R5C23	PTF	BUH 2.5
R11C23	PTF	BUH 2.2

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)
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TEXT *(If more space is required, use additional copies of NRC Form 366A)* (17)

TUBES PLUGGED IN "A" STEAM GENERATOR		
TUBE	**DEFECT**	**LOCATION**
R12C23	PTF	BUH 2.4
R18C23	PTF	BUH 2.4
R8C24	PTF	BUH 2.2
R12C24	PTF	BUH 2.4
R2C25	PTF	BUH 2.2
R3C26	PTF	BUH 2.2
R4C26	PTF	BUH 2.4
R5C26	PTF	BUH 2.3
R12C26	PTF	BUH 2.3
R9C27	PTF	BUH 2.0
R10C27	PTF	BUH 1.6
R11C27	PTF	BUH 2.2
R12C27	PTF	BUH 2.5
R13C27	PTF	BUH 2.3
R24C27	PTF	BUH 2.3
R5C28	PTF	BUH 2.3
R3C29	PTF	BUH 2.3
R10C29	PTF	BUH 2.0
R11C29	PTF	BUH 2.2
R3C30	PTF	BUH 2.1
R4C30	PTF	BUH 2.5
R5C30	PTF	BUH 2.2
R8C30	PTF	BUH 1.0
R8C30	PTF	BUH 1.9
R9C30	PTF	BUH 2.0
R12C30	PTF	BUH 2.0
R18C30	PTF	BUH 2.3
R23C30	PTF	BUH 2.2
R26C30	PTF	BUH 2.1
R3C31	PTF	BUH 2.0
R5C31	PTF	BUH 2.0
R6C31	PTF	BUH 2.1
R8C31	PTF	BUH 2.5
R9C31	PTF	BUH 2.3
R10C31	PTF	BUH 2.3
R16C31	PTF	BUH 1.9
R18C31	PTF	BUH 2.2
R20C31	PTF	BUH 2.0
R3C32	PTF	BUH 2.3
R5C32	PTF	BUH 2.3
R10C32	PTF	BUH 2.1
R15C32	PTF	BUH 2.4
R20C32	PTF	BUH 2.2
R3C33	PTF	BUH 2.3

TUBES PLUGGED IN "A" STEAM GENERATOR		
TUBE	**DEFECT**	**LOCATION**
R5C33	PTF	BUH 2.3
R7C33	PTF	BUH 2.0
R13C33	PTF	BUH 2.4
R14C33	PTF	BUH 1.7
R6C34	PTF	BUH 2.5
R3C35	PTF	BUH 2.4
R18C35	PTF	BUH 0.8
R18C35	PTF	BUH 2.2
R3C36	PTF	BUH 2.3
R4C36	PTF	HRH 0.0
R4C36	PTF	HRH 0.2
R6C36	PTF	BUH 2.3
R27C36	PTF	BUH 2.1
R5C37	PTF	BUH 2.4
R9C37	PTF	BUH 1.9
R7C38	PTF	BUH 2.2
R25C38	PTF	BUH 2.0
R4C39	PTF	BUH 2.4
R13C39	PTF	BUH 2.3
R22C39	PTF	BUH 2.4
R8C40	PTF	BUH 2.0
R9C40	PTF	BUH 2.3
R11C40	PTF	BUH 2.3
R9C41	PTF	BUH 2.3
R14C41	PTF	BUH 2.3
R24C41	PTF	BUH 1.9
R33C41	PTF	BUH 1.8
R11C42	PTF	BUH 2.5
R12C42	PTF	BUH 1.9
R14C42	PTF	BUH 2.3
R20C42	PTF	BUH 2.3
R11C43	PTF	BUH 2.0
R22C43	PTF	BUH 2.5
R27C43	PTF	BUH 1.9
R6C44	PTF	BUH 2.6
R8C44	PTF	BUH 2.3
R9C44	PTF	BUH 2.0
R14C44	PTF	BUH 2.4
R27C44	PTF	BUH 2.3
R2C45	PTF	BUH 2.2
R15C45	PTF	BUH 2.4
R21C45	PTF	BUH 2.1
R4C46	PTF	BUH 1.4
R15C46	PTF	BUH 2.1

TUBES PLUGGED IN "A" STEAM GENERATOR		
TUBE	DEFECT	LOCATION
R22C46	PTF	BUH 2.4
R24C46	PTF	BUH 2.3
R27C46	PTF	BUH 2.0
R11C47	PTF	BUH 2.0
R27C47	PTF	BUH 2.1
R7C48	PTF	BUH 2.0
R16C48	PTF	BUH 2.2
R22C48	PTF	BUH 2.2
R24C48	PTF	BUH 2.0
R26C48	PTF	BUH 2.1
R29C48	PTF	BUH 2.2
R10C49	PTF	BUH 2.3
R13C49	PTF	BUH 2.1
R7C50	PTF	BUH 2.2
R8C50	PTF	BUH 2.3
R9C50	PTF	BUH 2.4
R10C50	PTF	BUH 2.3
R11C50	PTF	BUH 2.2
R13C50	PTF	BUH 2.1
R14C50	PTF	BUH 2.2
R19C50	PTF	BUH 2.0
R13C51	PTF	BUH 2.2
R16C51	PTF	BUH 2.3
R18C51	PTF	BUH 2.5
R24C51	PTF	BUH 2.0
R25C51	PTF	BUH 2.2
R8C52	PTF	BUH 2.2
R9C52	PTF	BUH 2.0
R16C52	PTF	BUH 2.1
R22C52	PTF	BUH 2.3
R25C52	PTF	BUH 2.0
R7C53	PTF	BUH 2.2
R13C53	PTF	BUH 2.3
R16C53	PTF	BUH 2.2
R17C53	PTF	BUH 2.1
R22C53	PTF	BUH 2.0
R25C53	PTF	BUH 2.2
R2C54	PTF	BUH 2.0
R5C54	PTF	BUH 2.2
R10C54	PTF	BUH 1.9
R12C54	PTF	BUH 2.0
R15C54	PTF	BUH 2.2
R16C54	PTF	BUH 2.1
R17C54	PTF	BUH 0.7

TUBES PLUGGED IN "A" STEAM GENERATOR		
TUBE	**DEFECT**	**LOCATION**
R18C54	PTF	HRH 0.2
R20C54	PTF	BUH 2.2
R21C54	PTF	BUH 1.9
R22C54	PTF	BUH 2.1
R28C54	PTF	BUH 2.3
R2C55	PTF	BUH 2.0
R6C55	PTF	BUH 2.1
R12C55	PTF	BUH 2.1
R7C56	PTF	HRH 0.3
R13C56	PTF	BUH 2.3
R6C57	PTF	BUH 2.4
R11C57	PTF	BUH 2.0
R12C57	PTF	BUH 2.3
R13C57	PTF	BUH 2.0
R15C57	PTF	BUH 2.2
R17C57	PTF	BUH 2.2
R27C57	PTF	BUH 2.2
R4C58	PTF	BUH 2.6
R5C58	PTF	BUH 2.4
R8C58	PTF	BUH 2.2
R17C58	PTF	BUH 2.4
R19C58	PTF	BUH 2.2
R30C58	PTF	BUH 2.3
R7C59	PTF	BUH 2.5
R8C59	PTF	BUH 2.2
R5C60	PTF	BUH 2.5
R19C60	PTF	BUH 2.3
R21C60	PTF	BUH 2.4
R7C61	PTF	BUH 2.4
R9C61	PTF	BUH 2.4
R10C61	PTF	BUH 2.5
R11C61	PTF	BUH 2.4
R18C61	PTF	BUH 2.5
R4C62	PTF	BUH 2.4
R7C62	PTF	BUH 2.5
R11C62	PTF	BUH 2.5
R7C63	PTF	BUH 2.0
R16C63	PTF	BUH 2.2
R18C63	PTF	BUH 1.8
R24C63	PTF	BUH 1.9
R7C64	PTF	BUH 2.1
R9C64	PTF	HRH 0.2
R12C64	PTF	BUH 2.0
R14C64	PTF	BUH 2.0

TUBES PLUGGED IN "A" STEAM GENERATOR		
TUBE	**DEFECT**	**LOCATION**
R17C64	PTF	BUH 2.2
R4C65	PTF	BUH 2.1
R7C65	PTF	BUH 2.3
R9C65	PTF	BUH 2.2
R8C66	PTF	BUH 2.1
R15C66	PTF	BUH 2.4
R12C67	PTF	BUH 2.3
R15C67	PTF	BUH 2.1
R15C68	PTF	BUH 2.1
R5C69	PTF	BUH 2.2
R7C69	PTF	BUH 2.1
R9C69	PTF	BUH 2.1
R11C69	PTF	BUH 1.9
R14C69	PTF	BUH 2.4
R15C69	PTF	BUH 2.0
R3C70	PTF	BUH 2.1
R4C70	PTF	BUH 2.3
R11C70	PTF	BUH 2.1
R13C74	PTF	BUH 0.7
R10C76	PTF	BUH 2.0
R9C77	PTF	BUH 2.3
R15C3	SAI	TEH 17.2
R16C5	MAI	TEH 2.6
R16C5	MAI	TEH 6.5
R16C5	SCI	TEH 15.6
R20C9	MAI	TEH 3.6
R20C9	MAI	TEH 8.0
R18C10	MAI	TEH 4.2
R18C10	SAI	TEH 16.9
R18C10	MAI	TEH 18.1
R7C13	SAI	TEH 5.4
R7C13	MAI	TEH 17.2
R7C13	MAI	TEH 18.6
R2C16	SVI	TSH 0.0
R3C16	SVI	TSH 0.0
R4C16	SVI	TSH -0.1
R5C16	SVI	TSH -0.1
R3C17	SVI	TSH 0.0
R11C17	SVI	TSH -0.2
R33C17	MAI	TEH 7.3
R33C17	SAI	TEH 17.6
R33C17	SAI	TEH 17.8
R1C18	SAI	TSH 0.1
R3C18	SVI	TSH -0.2

TUBES PLUGGED IN "A" STEAM GENERATOR		
TUBE	**DEFECT**	**LOCATION**
R3C19	SVI	TSH -0.1
R1C22	SAI	TSH 0.1
R1C24	SAI	TSH 0.1
R39C28	MAI	TEH 3.0
R39C28	SAI	TEH 17.8
R40C40	MAI	TEH 2.7
R43C44	MAI	TEH 2.6
R43C44	SAI	TEH 16.5
R43C44	MAI	01H 0.1
R45C52	MAI	TEH 2.5
R45C52	SAI	TSH 0.2
R45C52	SAI	TSH 0.2
R42C53	MAI	TEH 2.7
R34C60	MAI	TEH 3.0
R43C60	SAI	TEH 3.1
R43C60	SAI	TEH 16.7
R43C60	SAI	TEH 17.6
R31C65	SAI	TEH 4.7
R31C65	SAI	TEH 17.0
R31C65	SAI	TEH 17.6
R39C67	MAI	TEH 3.3
R39C67	SAI	TEH 16.9
R39C67	SAI	TEH 17.8
R5C71	SAI	TEH11.2
R3C72	SAI	TSH 0.2
R3C72	SAI	TSH 0.3
R3C74	SVI	TSH 0.2
R6C75	MAI	TEH 8.6
R18C75	SAI	TEH 6.6
R18C75	SAI	TEH 15.8
R3C76	SVI	TSH 0.1
R4C76	SVI	TSH 0.1
R31C76	SAI	TEH 2.6
R31C76	MAI	TEH 2.6
R33C76	SAI	TEH 3.2
R33C76	MAI	TEH 16.7
R33C76	SAI	TEH 18.5
R3C77	SVI	TSH 0.4
R4C77	MVI	TSH 0.2
R10C79	SAI	TEH 11.7
R21C80	MAI	TEH 2.4
R21C80	SAI	TEH 4.3
R21C80	SAI	TEH 17.5
R12C84	MAI	TEH 2.7

TUBES PLUGGED IN "A" STEAM GENERATOR		
TUBE	**DEFECT**	**LOCATION**
R12C84	SAI	TEH 15.3
R12C84	SAI	TSH 0.2
R12C84	SAI	TSH 0.3
R13C85	MAI	TEH 6.0
R13C85	SAI	TEH 18.7
R18C5	48	01H -0.1
R22C7	41	02H 0.1
R27C11	41	01H -0.1
R33C16	71	01C -0.0
R29C81	42	05H 0.2

"B" Steam Generator Tube Plugging

In the "B" steam generator, a total of 117 tubes were plugged. 46 tubes were plugged due to degradation in the roll transition, tubesheet crevice, and/or tube support plate regions. 67 sleeved tubes were plugged due to parent tube circumferential indications in the upper hybrid expansion joint. Some tubes were required to be plugged for more than one reason. In these cases, the tube is listed once for each pluggable indication. In addition, four tubes were plugged because the repair roll process was performed incorrectly on these tubes. These tubes are the last four listed on the following table.

TUBES PLUGGED IN "B" STEAM GENERATOR		
TUBE	**DEFECT**	**LOCATION**
R23C29	41	01C -0.03
R28C51	40	01C -0.03
R8C2	MAI	TEH 5.5
R8C2	MAI	TEH 16.8
R12C3	SAI	01H 0.8
R1C4	SAI	TEH 8.3
R9C6	MAI	TEH 7.6
R8C7	MAI	TEH 8.7
R1C9	SAI	TEH 8.1
R1C10	MAI	TEH 2.7
R23C13	MAI	TEH 2.4
R23C13	MAI	TEH 17.0
R4C19	SAI	TSH 0.2
R1C27	MAI	TEH 2.8
R1C27	MAI	TEH 16.6
R1C28	MAI	TEH 2.3
R1C28	SAI	TEH 17.8
R1C31	MAI	TEH 2.8
R1C31	SAI	TSH 0.4

TUBES PLUGGED IN "B" STEAM GENERATOR		
TUBE	**DEFECT**	**LOCATION**
R1C41	SAI	TEH 3.5
R1C41	MAI	TEH 17.4
R34C57	MAI	TEH 5.8
R33C60	MAI	TEH 6.1
R33C60	SAI	TEH 17.1
R36C60	MAI	TEH 5.7
R33C61	MAI	TEH 5.0
R33C61	MAI	TEH 16.9
R33C62	MAI	TEH 6.0
R33C64	MAI	TEH 4.0
R36C65	SAI	TEH 4.4
R36C65	SAI	TEH 9.8
R36C65	SAI	TEH 16.8
R33C69	MAI	TEH 5.8
R33C69	SAI	TEH 17.0
R33C70	MAI	TEH 5.5
R1C71	MAI	TEH 4.0
R1C71	MAI	TEH 17.0
R33C72	MAI	TEH 5.4
R33C73	MAI	TEH 6.4
R33C73	SAI	TEH 17.1
R1C75	SAI	TEH 4.6
R1C75	SAI	TEH 17.0
R5C75	MAI	TEH 2.6
R5C75	SAI	TEH 17.3
R33C75	MAI	TEH 3.0
R33C75	MAI	TEH 5.4
R33C75	SAI	TEH 16.7
R9C76	MAI	TEH 3.0
R9C76	SAI	TEH 15.9
R5C77	MAI	TEH 3.0
R5C77	SAI	TEH 17.7
R6C77	MAI	TEH 6.4
R6C77	MAI	TEH 14.5
R16C78	MAI	TEH 2.3
R16C78	SAI	TEH 16.9
R29C78	MAI	TEH 6.6
R29C78	SAI	TEH 17.2
R17C79	MAI	TEH 3.3
R17C79	SAI	TEH 16.3
R22C84	MAI	TEH 3.0
R22C84	MAI	TEH 17.5
R24C84	MAI	TEH 3.0
R24C84	MAI	TEH 17.9

TUBES PLUGGED IN "B" STEAM GENERATOR		
TUBE	**DEFECT**	**LOCATION**
R23C85	MAI	TEH 4.2
R23C85	SAI	TEH 17.9
R1C89	MAI	TEH 2.4
R1C89	SAI	TEH 17.1
R11C90	SAI	01H 1.8
R18C17	PTF	BUH 2.2
R5C20	PTF	BUH 2.3
R18C22	PTF	BUH 2.6
R9C27	PTF	BUH 2.1
R14C29	PTF	BUH 2.1
R11C30	PTF	BUH 2.1
R11C30	PTF	BUH 2.3
R14C30	PTF	BUH 2.4
R16C30	PTF	BUH 2.5
R21C30	PTF	BUH 2.4
R8C31	PTF	BUH 2.5
R12C31	PTF	BUH 2.2
R16C31	PTF	BUH 2.6
R8C32	PTF	BUH 2.3
R11C32	PTF	BUH 1.8
R12C32	PTF	BUH 2.4
R13C32	PTF	BUH 1.9
R16C32	PTF	BUH 2.5
R2C33	PTF	BUH 2.9
R8C33	PTF	BUH 2.2
R18C33	PTF	BUH 2.3
R12C34	PTF	BUH 2.4
R18C34	PTF	BUH 2.2
R18C34	PTF	BUH 3.0
R14C35	PTF	BUH 2.5
R16C35	PTF	BUH 2.4
R16C36	PTF	BUH 2.4
R21C36	PTF	BUH 2.4
R14C37	PTF	BUH 2.5
R16C37	PTF	BUH 2.5
R20C37	PTF	BUH 2.5
R8C38	PTF	BUH 2.5
R14C38	PTF	BUH 2.1
R21C38	PTF	BUH 2.4
R13C39	PTF	BUH 2.4
R20C39	PTF	BUH 2.4
R21C39	PTF	BUH 2.0
R21C39	PTF	BUH 2.1
R21C39	PTF	BUH 3.5

TUBES PLUGGED IN "B" STEAM GENERATOR		
TUBE	**DEFECT**	**LOCATION**
R23C39	PTF	BUH 2.1
R23C39	PTF	BUH 2.2
R14C40	PTF	BUH 2.3
R21C40	PTF	BUH 2.5
R16C41	PTF	BUH 2.5
R18C42	PTF	BUH 2.5
R23C42	PTF	BUH 2.1
R18C44	PTF	BUH 2.1
R21C44	PTF	BUH 2.5
R12C45	PTF	BUH 2.4
R12C45	PTF	BUH 2.5
R13C45	PTF	BUH 2.5
R16C45	PTF	BUH 2.5
R16C46	PTF	BUH 2.1
R20C47	PTF	BUH 2.5
R23C48	PTF	BUH 1.9
R24C48	PTF	BUH 2.8
R23C49	PTF	BUH 2.1
R23C50	PTF	BUH 2.2
R9C51	PTF	BUH 2.2
R24C51	PTF	BUH 2.9
R13C53	PTF	BUH 2.6
R9C54	PTF	BUH 2.5
R24C54	PTF	BUH 2.2
R4C56	PTF	BUH 2.1
R11C56	PTF	BUH 2.2
R13C56	PTF	BUH 2.2
R18C57	PTF	BUH 2.3
R11C59	PTF	BUH 2.4
R17C61	PTF	BUH 2.6
R13C63	PTF	BUH 2.1
R13C65	PTF	BUH 2.7
R16C66	PTF	BUH 2.5
R16C66	PTF	BUH 2.6
R18C66	PTF	BUH 2.5
R9C75	SVI	TSH 0.4
R3C79	SVI	TSH 0.3
R22C86	SVI	01C -0.0
R14C89	SVI	03C 0.1
R13C90	SVI	TSH 1.3
R26C20	ND	NA
R30C20	ND	NA
R32C20	ND	NA
R30C23	ND	NA

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TEXT *(If more space is required, use additional copies of NRC Form 366A)* (17)

Steam Generator Tube Repairs

323 tubes in the "A" SG and 209 tubes in the "B" SG were repaired using the rerolling process and application of the F* criteria. This process re-establishes the pressure boundary of the tube by installing a repair roll (reroll) in an undegraded portion of the tube above the existing indications.

Following the rerolling process, eddy current inspections of the repair roll were conducted using the Bobbin coil and Plus Point probes. Any tubes exhibiting improper profilometry or indications in the repair roll region were plugged.

Below is a list of the repaired tubes in each steam generator, including a list of abbreviations used in the tables. Some tubes were required to be repaired form more than one reason. In these cases, the tube is listed once for each indication.

LIST OF ABBREVIATIONS

HL	Hot Leg	CL	Cold Leg
TEH	Tube End (HL)	SAI	Single Axial Indication
MAI	Multiple Axial Indications	02H	#2 Tube Support Plate (HL)
05H	#5 Tube Support Plate (HL)	01C	#1 Tube Support Plate (CL)
01H	#1 Tube Support Plate (HL)	03C	#3 Tube Support Plate (CL)
PTF	Parent Tube Flaw	SVI	Single Volumetric Indication
SCI	Single Circumferential Indication	ND	No Defect
BUH	Bottom of Upper HEJ Joint (HL)	TSH	Tubesheet (HL)
HRH	Bottom of Hardroll (HL)		

TUBES REPAIRED IN "A" STEAM GENERATOR

TUBE	DEFECT	LOCATION
R4C2	SAI	TEH 2.6
R4C2	SAI	TEH 2.7
R4C2	SAI	TEH 3.3
R7C2	SAI	TEH 6.6
R7C2	SAI	TEH 6.8
R4C3	MAI	TEH 3.1
R4C3	MAI	TEH 3.3
R7C3	MAI	TEH 4.8
R7C3	MAI	TEH 12.1
R9C3	SAI	TEH 3.5
R9C3	SAI	TEH 5.5
R9C3	SAI	TEH 16.2
R9C4	MAI	TEH 4.4
R9C4	MAI	TEH 4.5

TUBES REPAIRED IN "A" STEAM GENERATOR		
TUBE	**DEFECT**	**LOCATION**
R6C5	MAI	TEH 3.0
R6C5	SAI	TEH 16.0
R8C5	MAI	TEH 2.5
R8C5	SAI	TEH 10.8
R8C5	SAI	TEH 16.3
R8C5	SAI	TEH 16.4
R9C5	MAI	TEH 2.7
R9C5	SAI	TEH 7.8
R9C5	SAI	TEH 11.0
R9C5	SAI	TEH 16.3
R11C5	SAI	TEH 6.7
R11C5	SAI	TEH 9.6
R11C5	SAI	TEH 16.1
R11C5	SAI	TEH 16.1
R13C5	SAI	TEH 11.3
R13C5	SAI	TEH 16.0
R3C6	SAI	TEH 2.6
R3C6	SAI	TEH 2.8
R9C6	MAI	TEH 3.6
R9C6	SAI	TEH 16.0
R10C6	MAI	TEH 2.7
R10C6	SAI	TEH 11.1
R10C6	MAI	TEH 11.3
R12C6	SAI	TEH 3.6
R12C6	SAI	TEH 3.7
R14C6	SAI	TEH 5.5
R14C6	SAI	TEH 6.0
R16C6	MAI	TEH 8.5
R16C6	MAI	TEH 8.7
R17C6	SAI	TEH 6.2
R17C6	SAI	TEH 16.0
R17C6	SAI	TEH 16.8
R19C6	SAI	TEH 6.1
R19C6	SAI	TEH 6.4
R6C7	MAI	TEH 2.6
R6C7	MAI	TEH 2.8
R8C7	SAI	TEH 8.4
R8C7	SAI	TEH 12.1
R10C7	MAI	TEH 1.8
R10C7	SAI	TEH 16.6
R14C7	MAI	TEH 3.2
R14C7	SAI	TEH 7.5
R14C7	SAI	TEH 9.2
R14C7	MAI	TEH 10.5

TUBES REPAIRED IN "A" STEAM GENERATOR		
TUBE	**DEFECT**	**LOCATION**
R19C7	MAI	TEH 4.3
R19C7	MAI	TEH 13.1
R9C8	MAI	TEH 4.2
R9C8	SAI	TEH 15.9
R12C8	SAI	TEH 4.9
R12C8	SAI	TEH 5.0
R13C8	MAI	TEH 3.3
R13C8	SAI	TEH 16.0
R17C8	MAI	TEH 2.4
R17C8	MAI	TEH 2.9
R19C8	SAI	TEH 8.0
R19C8	SAI	TEH 9.1
R2C9	MAI	TEH 3.2
R2C9	MAI	TEH 15.9
R6C9	MAI	TEH 3.8
R6C9	MAI	TEH 15.9
R11C9	SAI	TEH 2.9
R11C9	SAI	TEH 6.0
R17C9	SAI	TEH 5.4
R17C9	SAI	TEH 8.6
R3C10	MAI	TEH 2.7
R3C10	MAI	TEH 2.7
R6C10	SAI	TEH 8.0
R6C10	SAI	TEH 11.8
R6C10	SAI	TEH 16.0
R8C10	SAI	TEH 7.3
R8C10	SAI	TEH 8.1
R8C10	SAI	TEH 8.3
R14C10	SAI	TEH 8.3
R14C10	MAI	TEH 9.6
R14C10	MAI	TEH 10.2
R16C10	SAI	TEH 8.4
R16C10	SAI	TEH 9.0
R21C10	SAI	TEH 5.7
R21C10	SAI	TEH 6.1
R27C10	MAI	TEH 2.7
R27C10	MAI	TEH 2.9
R14C11	SAI	TEH 2.9
R14C11	SAI	TEH 4.4
R19C11	SAI	TEH 6.8
R19C11	SAI	TEH 8.0
R20C11	SAI	TEH 7.6
R20C11	SAI	TEH 9.7
R21C11	MAI	TEH 4.1

TUBES REPAIRED IN "A" STEAM GENERATOR		
TUBE	**DEFECT**	**LOCATION**
R21C11	MAI	TEH 5.5
R11C12	SAI	TEH 5.3
R11C12	SAI	TEH 6.7
R11C12	SAI	TEH 17.1
R11C12	SAI	TEH 17.1
R20C12	MAI	TEH 4.0
R20C12	SAI	TEH 16.1
R4C13	SAI	TEH 2.5
R4C13	SAI	TEH 2.6
R10C13	SAI	TEH 8.3
R10C13	SAI	TEH 16.3
R12C13	MAI	TEH 4.4
R12C13	SAI	TEH 10.1
R12C13	MAI	TEH 16.1
R17C13	SAI	TEH 6.0
R17C13	SAI	TEH 6.6
R17C13	MAI	TEH 7.6
R17C13	SAI	TEH 8.3
R18C13	MAI	TEH 4.3
R18C13	MAI	TEH 5.6
R3C14	MAI	TEH 6.9
R3C14	SAI	TEH 16.1
R8C14	MAI	TEH 5.1
R8C14	MAI	TEH 5.8
R18C14	MAI	TEH 3.5
R18C14	MAI	TEH 16.1
R18C15	MAI	TEH 7.6
R18C15	MAI	TEH 9.6
R21C15	MAI	TEH 3.7
R21C15	MAI	TEH 16.0
R17C16	SAI	TEH 7.0
R17C16	SAI	TEH 7.3
R21C17	MAI	TEH 9.2
R21C17	SAI	TEH 15.9
R26C18	SAI	TEH 8.3
R26C18	SAI	TEH 8.6
R27C18	SAI	TEH 4.3
R27C18	SAI	TEH 5.6
R27C18	SAI	TEH 5.8
R23C19	SAI	TEH 4.8
R23C19	SAI	TEH 5.0
R34C19	SAI	TEH 4.8
R34C19	SAI	TEH 17.1
R34C19	SAI	TEH 17.2

TUBES REPAIRED IN "A" STEAM GENERATOR		
TUBE	**DEFECT**	**LOCATION**
R35C20	SAI	TEH 5.8
R35C20	SAI	TEH 15.8
R31C21	SAI	TEH 9.2
R31C21	SAI	TEH 16.1
R33C21	MAI	TEH 2.5
R33C21	MAI	TEH 2.9
R37C21	SAI	TEH 3.3
R37C21	SAI	TEH 4.0
R29C22	MAI	TEH 2.9
R29C22	MAI	TEH 3.0
R30C22	SAI	TEH 13.6
R30C22	SAI	TEH 13.6
R32C22	SAI	TEH 2.8
R32C22	SAI	TEH 2.9
R31C23	MAI	TEH 1.3
R31C23	MAI	TEH 2.7
R31C23	MAI	TEH 2.8
R32C23	MAI	TEH 2.8
R36C23	SAI	TEH 8.0
R36C23	SAI	TEH 8.9
R35C24	SAI	TEH 4.9
R35C24	SAI	TEH 6.9
R36C24	MAI	TEH 2.8
R36C24	MAI	TEH 8.1
R28C25	MAI	TEH 2.5
R28C25	SAI	TEH 2.9
R29C25	SAI	TEH 3.6
R29C25	SAI	TEH 4.0
R35C25	MAI	TEH 2.4
R35C25	MAI	TEH 2.5
R1C26	SAI	TEH 4.6
R1C26	SAI	TEH 5.0
R1C26	MAI	TEH 11.5
R30C26	SAI	TEH 10.5
R30C26	SAI	TEH 11.2
R32C26	MAI	TEH 2.4
R32C26	MAI	TEH 2.7
R39C26	MAI	TEH 2.5
R39C26	SAI	TEH 3.7
R39C26	SAI	TEH 4.7
R1C27	MAI	TEH 2.3
R1C27	MAI	TEH 16.0
R34C27	MAI	TEH 2.6
R34C27	MAI	TEH 4.8

TUBES REPAIRED IN "A" STEAM GENERATOR		
TUBE	**DEFECT**	**LOCATION**
R34C27	SAI	TEH 9.9
R34C27	MAI	TEH 15.8
R31C28	MAI	TEH 2.4
R31C28	MAI	TEH 2.8
R32C29	MAI	TEH 2.6
R32C29	MAI	TEH 2.8
R34C29	SAI	TEH 4.5
R34C29	SAI	TEH 5.2
R36C29	SAI	TEH 2.9
R36C29	SAI	TEH 3.5
R37C29	SAI	TEH 3.8
R37C29	SAI	TEH 4.5
R39C29	MAI	TEH 3.5
R39C29	MAI	TEH 8.4
R39C30	MAI	TEH 4.0
R39C30	MAI	TEH 8.4
R34C31	SAI	TEH 4.1
R34C31	SAI	TEH 4.4
R35C31	MAI	TEH 2.7
R35C31	MAI	TEH 15.6
R36C31	MAI	TEH 2.5
R36C31	MAI	TEH 2.7
R37C31	MAI	TEH 2.6
R37C31	MAI	TEH 3.0
R38C31	MAI	TEH 4.6
R38C31	MAI	TEH 6.8
R32C32	MAI	TEH 2.6
R32C32	MAI	TEH 2.9
R33C32	MAI	TEH 2.5
R33C32	MAI	TEH 2.7
R40C32	MAI	TEH 3.2
R40C32	MAI	TEH 4.1
R40C33	MAI	TEH 2.8
R40C33	MAI	TEH 3.6
R36C34	SAI	TEH 3.2
R36C34	SAI	TEH 3.3
R39C35	SAI	TEH 3.6
R39C35	SAI	TEH 6.5
R38C36	MAI	TEH 2.9
R38C36	SAI	TEH 8.7
R39C36	SAI	TEH 3.5
R39C36	SAI	TEH 6.7
R37C37	SAI	TEH 2.9
R37C37	SAI	TEH 3.0

TUBES REPAIRED IN "A" STEAM GENERATOR		
TUBE	**DEFECT**	**LOCATION**
R37C38	MAI	TEH 1.6
R37C38	MAI	TEH 7.3
R39C38	SAI	TEH 1.4
R39C38	SAI	TEH 1.4
R43C38	MAI	TEH 1.2
R43C38	MAI	TEH 1.4
R34C39	SAI	TEH 2.8
R34C39	MAI	TEH 3.1
R34C39	SAI	TEH 4.1
R39C39	MAI	TEH 3.2
R39C39	MAI	TEH 8.5
R41C39	MAI	TEH 2.9
R41C39	SAI	TEH 15.6
R38C40	MAI	TEH 2.9
R38C40	SAI	TEH 4.2
R42C40	SAI	TEH 7.9
R42C40	SAI	TEH 8.6
R35C41	MAI	TEH 2.8
R35C41	MAI	TEH 3.0
R37C41	SAI	TEH 4.3
R37C41	SAI	TEH 4.5
R38C41	SAI	TEH 6.6
R38C41	SAI	TEH 6.7
R40C41	SAI	TEH 4.7
R40C41	SAI	TEH 8.5
R41C41	SAI	TEH 7.3
R41C41	SAI	TEH 8.6
R42C41	SAI	TEH 2.7
R42C41	SAI	TEH 2.9
R35C42	MAI	TEH 2.9
R35C42	MAI	TEH 7.2
R39C42	MAI	TEH 5.7
R39C42	MAI	TEH 6.9
R34C43	MAI	TEH 1.8
R34C43	MAI	TEH 2.7
R35C43	SAI	TEH 2.5
R35C43	SAI	TEH 6.4
R35C43	SAI	TEH 6.6
R37C43	MAI	TEH 7.4
R37C43	MAI	TEH 8.4
R39C43	SAI	TEH 5.4
R39C43	SAI	TEH 10.3
R40C43	MAI	TEH 2.9
R40C43	SAI	TEH 12.1

TUBES REPAIRED IN "A" STEAM GENERATOR		
TUBE	**DEFECT**	**LOCATION**
R41C43	MAI	TEH 2.8
R41C43	MAI	TEH 6.3
R43C43	SAI	TEH 3.3
R43C43	SAI	TEH 9.3
R43C43	SAI	TEH 10.3
R44C43	SAI	TEH 2.6
R44C43	SAI	TEH 2.7
R35C44	SAI	TEH 2.4
R35C44	SAI	TEH 2.7
R36C44	SAI	TEH 2.4
R36C44	SAI	TEH 2.6
R44C44	MAI	TEH 2.7
R44C44	MAI	TEH 9.8
R34C45	SAI	TEH 5.5
R34C45	SAI	TEH 6.1
R35C45	SAI	TEH 4.1
R35C45	SAI	TEH 5.7
R36C45	SAI	TEH 4.9
R36C45	SAI	TEH 5.4
R37C45	MAI	TEH 2.3
R37C45	MAI	TEH 2.6
R39C45	SAI	TEH 2.7
R39C45	SAI	TEH 2.8
R44C45	SAI	TEH 7.8
R44C45	SAI	TEH 8.4
R37C46	SAI	TEH 1.3
R37C46	SAI	TEH 2.7
R40C46	MAI	TEH 2.9
R40C46	SAI	TEH 16.1
R41C46	MAI	TEH 2.8
R41C46	MAI	TEH 5.5
R43C46	MAI	TEH 4.6
R43C46	MAI	TEH 9.5
R44C46	SAI	TEH 3.1
R44C46	SAI	TEH 16.6
R44C46	SAI	TEH 16.8
R35C47	MAI	TEH 2.7
R35C47	MAI	TEH 2.8
R36C47	MAI	TEH 2.3
R36C47	MAI	TEH 2.7
R38C47	SAI	TEH 2.8
R38C47	SAI	TEH 4.1
R38C47	SAI	TEH 15.8
R41C47	MAI	TEH 1.3

TUBES REPAIRED IN "A" STEAM GENERATOR		
TUBE	**DEFECT**	**LOCATION**
R41C47	MAI	TEH 2.6
R41C47	MAI	TEH 6.7
R43C47	MAI	TEH 1.2
R43C47	SAI	TEH 9.1
R38C48	MAI	TEH 2.4
R38C48	MAI	TEH 2.6
R40C48	MAI	TEH 4.4
R40C48	MAI	TEH 6.7
R41C48	SAI	TEH 2.6
R41C48	SAI	TEH 2.7
R34C49	SAI	TEH 4.5
R34C49	SAI	TEH 16.0
R37C49	MAI	TEH 3.2
R37C49	MAI	TEH 7.7
R40C49	MAI	TEH 2.9
R40C49	SAI	TEH 17.0
R40C49	MAI	TEH 17.1
R45C49	SAI	TEH 2.3
R45C49	SAI	TEH 2.8
R33C50	MAI	TEH 2.3
R33C50	MAI	TEH 2.6
R35C50	SAI	TEH 4.9
R35C50	SAI	TEH 5.4
R37C50	SAI	TEH 3.7
R37C50	SAI	TEH 4.8
R38C50	MAI	TEH 2.5
R38C50	SAI	TEH 2.9
R38C50	SAI	TEH 15.9
R39C50	SAI	TEH 3.1
R39C50	SAI	TEH 8.7
R39C50	SAI	TEH 8.9
R43C50	MAI	TEH 6.1
R43C50	MAI	TEH 7.2
R34C51	MAI	TEH 2.6
R34C51	MAI	TEH 2.6
R34C51	SAI	TEH 13.1
R34C51	SAI	TEH 13.1
R34C51	SAI	TEH 13.4
R36C51	SAI	TEH 4.6
R36C51	SAI	TEH 5.3
R37C51	SAI	TEH 5.2
R37C51	SAI	TEH 11.3
R39C51	MAI	TEH 3.3
R39C51	SAI	TEH 7.6

TUBES REPAIRED IN "A" STEAM GENERATOR		
TUBE	**DEFECT**	**LOCATION**
R39C51	SAI	TEH 7.9
R40C51	SAI	TEH 5.7
R40C51	SAI	TEH 5.8
R42C51	SAI	TEH 2.4
R42C51	SAI	TEH 2.5
R33C52	SAI	TEH 3.0
R33C52	SAI	TEH 17.1
R36C52	SAI	TEH 9.3
R36C52	SAI	TEH 11.3
R36C52	SAI	TEH 11.6
R44C52	SAI	TEH 4.2
R44C52	SAI	TEH 4.4
R37C53	MAI	TEH 2.9
R37C53	MAI	TEH 16.0
R40C53	MAI	TEH 5.2
R40C53	MAI	TEH 5.3
R44C53	SAI	TEH 5.3
R44C53	SAI	TEH 7.9
R35C54	MAI	TEH 4.3
R35C54	MAI	TEH 11.1
R37C54	SAI	TEH 4.3
R37C54	SAI	TEH 4.7
R40C54	MAI	TEH 3.4
R40C54	MAI	TEH 4.8
R34C55	SAI	TEH 4.1
R34C55	SAI	TEH 16.2
R37C55	MAI	TEH 2.6
R37C55	MAI	TEH 2.8
R38C55	MAI	TEH 2.8
R38C55	SAI	TEH 9.7
R39C55	MAI	TEH 2.6
R39C55	MAI	TEH 5.1
R39C55	SAI	TEH 7.8
R42C55	SAI	TEH 3.2
R42C55	SAI	TEH 3.3
R32C56	MAI	TEH 2.7
R32C56	MAI	TEH 2.8
R33C56	SAI	TEH 4.2
R33C56	SAI	TEH 4.4
R33C56	SAI	TEH 8.5
R37C57	MAI	TEH 1.9
R37C57	SAI	TEH 16.8
R37C57	SAI	TEH 17.0
R39C57	MAI	TEH 2.6

TUBES REPAIRED IN "A" STEAM GENERATOR		
TUBE	**DEFECT**	**LOCATION**
R39C57	SAI	TEH 3.0
R39C57	SAI	TEH 5.2
R40C57	MAI	TEH 4.8
R40C57	SAI	TEH 16.2
R41C57	MAI	TEH 2.5
R41C57	MAI	TEH 5.2
R41C57	SAI	TEH 16.1
R35C58	SAI	TEH 5.5
R35C58	SAI	TEH 8.4
R37C58	MAI	TEH 5.6
R37C58	MAI	TEH 16.0
R38C58	MAI	TEH 3.3
R38C58	SAI	TEH 7.0
R39C58	SAI	TEH 4.6
R39C58	SAI	TEH 5.6
R41C58	MAI	TEH 2.7
R41C58	MAI	TEH 3.0
R41C58	SAI	TEH 16.8
R41C58	SAI	TEH 17.1
R42C58	MAI	TEH 5.7
R42C58	SAI	TEH 8.5
R37C59	MAI	TEH 3.0
R37C59	SAI	TEH 16.7
R37C59	SAI	TEH 16.9
R38C60	SAI	TEH 4.9
R38C60	SAI	TEH 5.1
R31C61	MAI	TEH 2.5
R31C61	SAI	TEH 16.0
R34C61	MAI	TEH 2.7
R34C61	MAI	TEH 2.7
R39C61	SAI	TEH 2.7
R39C61	MAI	TEH 2.8
R41C61	MAI	TEH 5.4
R41C61	SAI	TEH 16.7
R41C61	MAI	TEH 16.9
R37C62	MAI	TEH 3.0
R37C62	SAI	TEH 7.4
R31C63	SAI	TEH 3.9
R31C63	SAI	TEH 8.6
R31C63	SAI	TEH 9.8
R39C63	MAI	TEH 2.6
R39C63	SAI	TEH 16.6
R39C63	SAI	TEH 16.8
R29C64	SAI	TEH 3.4

TUBES REPAIRED IN "A" STEAM GENERATOR		
TUBE	**DEFECT**	**LOCATION**
R29C64	SAI	TEH 6.0
R38C64	MAI	TEH 2.8
R38C64	MAI	TEH 5.5
R38C64	SAI	TEH 15.8
R29C65	SAI	TEH 5.1
R29C65	SAI	TEH 5.4
R30C65	MAI	TEH 2.6
R30C65	SAI	TEH 16.7
R30C65	SAI	TEH 16.8
R34C65	MAI	TEH 2.8
R34C65	SAI	TEH 9.8
R30C66	SAI	TEH 3.9
R30C66	SAI	TEH 16.7
R30C66	SAI	TEH 17.1
R32C66	MAI	TEH 3.4
R32C66	MAI	TEH 16.6
R32C66	SAI	TEH 16.7
R30C67	SAI	TEH 4.9
R30C67	SAI	TEH 8.6
R31C67	SAI	TEH 3.3
R31C67	SAI	TEH 16.7
R31C67	SAI	TEH 17.1
R32C67	MAI	TEH 2.7
R32C67	MAI	TEH 2.9
R35C67	SAI	TEH 3.6
R35C67	SAI	TEH 16.3
R35C67	SAI	TEH 16.9
R33C68	SAI	TEH 6.7
R33C68	SAI	TEH 8.1
R35C68	MAI	TEH 2.4
R35C68	SAI	TEH 16.5
R35C68	MAI	TEH 16.8
R37C68	MAI	TEH 2.6
R37C68	SAI	TEH 8.1
R37C68	SAI	TEH 8.1
R30C69	SAI	TEH 6.5
R30C69	SAI	TEH 9.1
R33C69	MAI	TEH 2.6
R33C69	SAI	TEH 16.6
R33C69	SAI	TEH 16.7
R36C69	MAI	TEH 2.7
R36C69	MAI	TEH 2.7
R38C69	MAI	TEH 2.6
R38C69	MAI	TEH 5.9

TUBES REPAIRED IN "A" STEAM GENERATOR		
TUBE	**DEFECT**	**LOCATION**
R38C69	SAI	TEH 9.3
R39C69	SAI	TEH 4.4
R39C69	SAI	TEH 15.9
R31C70	MAI	TEH 3.6
R31C70	SAI	TEH 15.8
R32C70	SAI	TEH 6.7
R32C70	SAI	TEH 16.1
R36C70	MAI	TEH 2.4
R36C70	MAI	TEH 3.0
R36C70	SAI	TEH 10.8
R39C70	MAI	TEH 2.7
R39C70	MAI	TEH 2.7
R30C71	SAI	TEH 4.9
R30C71	SAI	TEH 6.8
R30C71	SAI	TEH 6.9
R31C71	MAI	TEH 2.8
R31C71	SAI	TEH 15.9
R33C71	MAI	TEH 4.6
R33C71	SAI	TEH 8.8
R34C71	SCI	TEH 2.2
R34C71	SCI	TEH 2.3
R34C71	MAI	TEH 3.1
R36C71	SAI	TEH 3.1
R36C71	SAI	TEH 3.2
R38C71	SAI	TEH 3.5
R38C71	SAI	TEH 3.8
R6C72	SAI	TEH 6.8
R6C72	SAI	TEH 8.0
R29C72	SCI	TEH 2.2
R29C72	SCI	TEH 2.7
R32C72	SAI	TEH 2.6
R32C72	SAI	TEH 2.9
R35C72	SAI	TEH 4.1
R35C72	SAI	TEH 11.5
R28C73	MAI	TEH 2.6
R28C73	MAI	TEH 2.8
R29C73	MAI	TEH 2.6
R29C73	MAI	TEH 2.9
R32C73	SAI	TEH 4.5
R32C73	SAI	TEH 16.7
R32C73	SAI	TEH 16.7
R28C74	SAI	TEH 2.6
R28C74	SAI	TEH 2.8
R29C74	MAI	TEH 2.4

TUBES REPAIRED IN "A" STEAM GENERATOR

TUBE	DEFECT	LOCATION
R29C74	MAI	TEH 2.7
R30C74	MAI	TEH 2.7
R30C74	SAI	TEH 9.0
R32C74	MAI	TEH 2.9
R32C74	SAI	TEH 8.0
R34C74	MAI	TEH 2.8
R34C74	SAI	TEH 9.0
R36C74	MAI	TEH 2.7
R36C74	MAI	TEH 2.7
R28C75	MAI	TEH 2.6
R28C75	MAI	TEH 2.7
R30C75	SAI	TEH 6.0
R30C75	SAI	TEH 8.1
R32C75	SAI	TEH 2.8
R32C75	SAI	TEH 16.7
R32C75	SAI	TEH 16.9
R33C75	MAI	TEH 3.3
R33C75	SAI	TEH 5.3
R35C75	SAI	TEH 3.0
R35C75	SAI	TEH 5.0
R24C76	MAI	TEH 2.6
R24C76	MAI	TEH 2.8
R13C77	MAI	TEH 4.1
R13C77	MAI	TEH 7.5
R16C77	SAI	TEH 4.0
R16C77	SAI	TEH 8.6
R16C77	SAI	TEH 15.7
R20C77	SAI	TEH 2.9
R20C77	SAI	TEH 7.8
R20C77	SAI	TEH 10.4
R25C77	MAI	TEH 2.5
R25C77	MAI	TEH 2.6
R30C77	MAI	TEH 2.4
R30C77	MAI	TEH 2.8
R4C78	SAI	TEH 2.6
R4C78	SAI	TEH 2.8
R8C78	MAI	TEH 8.2
R8C78	SAI	TEH 8.8
R17C78	MAI	TEH 2.5
R17C78	SAI	TEH 6.8
R17C78	SAI	TEH 8.2
R20C78	SAI	TEH 2.6
R20C78	SAI	TEH 8.9
R20C78	SAI	TEH 10.0

TUBES REPAIRED IN "A" STEAM GENERATOR		
TUBE	**DEFECT**	**LOCATION**
R24C78	MAI	TEH 2.3
R24C78	MAI	TEH 2.5
R29C78	MAI	TEH 2.2
R29C78	SAI	TEH 2.3
R30C78	MAI	TEH 3.2
R30C78	SAI	TEH 15.7
R13C79	MAI	TEH 4.2
R13C79	SAI	TEH 16.0
R13C80	MAI	TEH 4.9
R13C80	SAI	TEH 7.7
R16C80	SAI	TEH 4.5
R16C80	SAI	TEH 4.9
R17C80	MAI	TEH 4.8
R17C80	MAI	TEH 16.7
R17C80	MAI	TEH 16.9
R29C80	MAI	TEH 2.0
R29C80	MAI	TEH 2.3
R7C81	SAI	TEH 9.1
R7C81	SAI	TEH 10.5
R8C81	SAI	TEH 7.0
R8C81	SAI	TEH 9.6
R11C81	SAI	TEH 2.3
R11C81	SAI	TEH 2.5
R17C81	SAI	TEH 5.4
R17C81	SAI	TEH 5.8
R19C81	MAI	TEH 2.3
R19C81	SAI	TEH 5.6
R19C81	SAI	TEH 5.8
R19C81	SAI	TEH 7.0
R22C81	MAI	TEH 2.3
R22C81	SAI	TEH 2.4
R6C82	SAI	TEH 7.2
R6C82	SAI	TEH 16.3
R12C82	SAI	TEH 2.5
R12C82	MAI	TEH 2.5
R13C82	MAI	TEH 5.8
R13C82	SAI	TEH 8.4
R14C82	SAI	TEH 4.5
R14C82	SAI	TEH 6.7
R15C82	SAI	TEH 6.6
R20C82	MAI	TEH 4.2
R20C82	SAI	TEH 9.7
R22C82	SAI	TEH 6.8
R22C82	SAI	TEH 7.8

TUBES REPAIRED IN "A" STEAM GENERATOR		
TUBE	**DEFECT**	**LOCATION**
R25C82	MAI	TEH 1.0
R25C82	MAI	TEH 4.2
R25C82	SAI	TEH 5.8
R25C82	SAI	TEH 5.9
R6C83	SAI	TEH 4.5
R6C83	SAI	TEH 16.0
R9C83	MAI	TEH 2.6
R9C83	MAI	TEH 2.6
R10C83	SAI	TEH 5.9
R10C83	SAI	TEH 6.0
R11C83	MAI	TEH 2.4
R11C83	MAI	TEH 2.4
R13C83	MAI	TEH 5.2
R13C83	SAI	TEH 16.1
R17C83	MAI	TEH 3.5
R17C83	SAI	TEH 16.0
R19C83	SAI	TEH 2.9
R19C83	MAI	TEH 7.5
R19C83	SAI	TEH 9.1
R22C83	SAI	TEH 3.1
R22C83	SAI	TEH 3.1
R24C83	MAI	TEH 2.3
R24C83	MAI	TEH 2.4
R25C83	SAI	TEH 2.6
R25C83	SAI	TEH 2.7
R6C84	SAI	TEH 5.8
R6C84	SAI	TEH 16.8
R6C84	SAI	TEH 17.1
R9C84	MAI	TEH 8.2
R9C84	SAI	TEH 10.7
R10C84	SAI	TEH 2.5
R10C84	SAI	TEH 2.5
R17C84	SAI	TEH 2.2
R17C84	SAI	TEH 2.3
R18C84	MAI	TEH 2.7
R18C84	SAI	TEH 2.9
R18C84	SAI	TEH 7.1
R21C84	MAI	TEH 2.2
R21C84	MAI	TEH 2.3
R24C84	MAI	TEH 2.2
R24C84	MAI	TEH 2.4
R8C85	SAI	TEH 4.7
R8C85	SAI	TEH 16.6
R8C85	MAI	TEH 16.9

TUBES REPAIRED IN "A" STEAM GENERATOR		
TUBE	**DEFECT**	**LOCATION**
R9C85	MAI	TEH 3.5
R9C85	SAI	TEH 12.0
R11C85	MAI	TEH 2.5
R11C85	MAI	TEH 2.7
R12C85	SAI	TEH 7.6
R12C85	SAI	TEH 7.9
R10C86	MAI	TEH 2.5
R10C86	MAI	TEH 2.5
R14C86	MAI	TEH 2.5
R14C86	SAI	TEH 2.9
R14C86	SAI	TEH 9.5
R16C86	MAI	TEH 2.5
R16C86	MAI	TEH 2.5
R17C86	MAI	TEH 1.8
R17C86	MAI	TEH 2.1
R19C86	MAI	TEH 2.3
R19C86	SAI	TEH 7.2
R6C87	SAI	TEH 5.2
R6C87	SAI	TEH 5.5
R11C87	MAI	TEH 2.4
R11C87	MAI	TEH 2.5
R12C87	MAI	TEH 2.2
R12C87	SAI	TEH 5.8
R12C87	SAI	TEH 6.8
R12C87	SAI	TEH 7.1
R10C88	SAI	TEH 2.5
R10C88	SAI	TEH 2.6
R10C88	SAI	TEH 3.9
R11C88	MAI	TEH 2.4
R11C88	MAI	TEH 2.4
R13C88	MAI	TEH 3.0
R13C88	MAI	TEH 5.3
R13C88	MAI	TEH 10.5
R14C88	SAI	TEH 2.4
R14C88	SAI	TEH 2.5
R14C88	SAI	TEH 2.8
R16C88	MAI	TEH 2.2
R16C88	MAI	TEH 2.8
R17C88	SAI	TEH 2.3
R17C88	MAI	TEH 2.6
R17C88	SAI	TEH 4.2
R8C89	SAI	TEH 2.7
R8C89	SAI	TEH 8.7
R8C89	SAI	TEH 9.0

TUBES REPAIRED IN "A" STEAM GENERATOR		
TUBE	**DEFECT**	**LOCATION**
R9C89	SAI	TEH 2.5
R9C89	MAI	TEH 2.6
R12C89	MAI	TEH 4.7
R12C89	MAI	TEH 12.7
R14C89	SAI	TEH 2.8
R14C89	SAI	TEH 10.0
R9C90	SAI	TEH 4.6
R9C90	SAI	TEH 5.0
R13C90	MAI	TEH 2.3
R13C90	SAI	TEH 2.7
R3C91	SAI	TEH 2.6
R3C91	SAI	TEH 11.8
R3C91	SAI	TEH 11.9
R7C91	SAI	TEH 4.9
R7C91	MAI	TEH 11.3

TUBES REPAIRED IN "B" STEAM GENERATOR		
TUBE	**DEFECT**	**LOCATION**
R7C2	MAI	TEH 3.1
R7C2	SAI	TEH 3.4
R2C3	MAI	TEH 6.1
R2C3	MAI	TEH 15.8
R9C3	SAI	TEH 3.5
R9C3	SAI	TEH 3.5
R2C4	SAI	TEH 5.4
R2C4	SAI	TEH 10.1
R8C4	SAI	TEH 7.1
R8C4	SAI	TEH 15.7
R12C4	MAI	TEH 2.9
R12C4	SAI	TEH 8.7
R14C4	MAI	TEH 0.9
R14C4	SAI	TEH 10.9
R2C6	MAI	TEH 6.9
R2C6	SAI	TEH 10.4
R8C6	MAI	TEH 2.5
R8C6	MAI	TEH 15.8
R13C6	SAI	TEH 4.2
R13C6	SAI	TEH 4.6
R5C7	MAI	TEH 7.4
R5C7	SAI	TEH 14.1
R5C7	SAI	TEH 14.1
R9C7	MAI	TEH 6.2
R9C7	SAI	TEH 6.9

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TEXT *(If more space is required, use additional copies of NRC Form 366A)* (17)

TUBES REPAIRED IN "B" STEAM GENERATOR

TUBE	DEFECT	LOCATION
R12C7	MAI	TEH 2.8
R12C7	SAI	TEH 15.9
R15C7	MAI	TEH 6.9
R15C7	SAI	TEH 9.0
R19C7	MAI	TEH 10.5
R19C7	SAI	TEH 11.0
R20C7	MAI	TEH 2.9
R20C7	MAI	TEH 15.9
R5C8	MAI	TEH 4.2
R5C8	MAI	TEH 15.6
R7C8	SAI	TEH 5.7
R7C8	SAI	TEH 5.8
R8C8	MAI	TEH 4.8
R8C8	SAI	TEH 7.5
R14C8	SAI	TEH 10.5
R14C8	SAI	TEH 10.8
R16C8	MAI	TEH 3.4
R16C8	MAI	TEH 15.9
R5C9	SAI	TEH 2.6
R5C9	MAI	TEH 15.9
R8C9	SAI	TEH 6.0
R8C9	SAI	TEH 6.1
R12C9	SAI	TEH 3.3
R12C9	MAI	TEH 15.7
R2C10	SAI	TEH 7.2
R2C10	SAI	TEH 7.5
R8C10	MAI	TEH 4.3
R8C10	MAI	TEH 15.8
R16C10	SAI	TEH 10.1
R16C10	SAI	TEH 10.2
R17C10	MAI	TEH 2.4
R17C10	MAI	TEH 16.0
R20C10	SAI	TEH 7.0
R20C10	SAI	TEH 7.0
R6C11	MAI	TEH 2.9
R6C11	MAI	TEH 15.9
R16C11	SAI	TEH 3.4
R16C11	MAI	TEH 15.8
R19C11	SAI	TEH 10.8
R19C11	SAI	TEH 15.8
R20C11	MAI	TEH 7.5
R20C11	SAI	TEH 9.4
R23C11	MAI	TEH 3.3
R23C11	SAI	TEH 4.0

TUBES REPAIRED IN "B" STEAM GENERATOR		
TUBE	**DEFECT**	**LOCATION**
R8C12	SAI	TEH 10.1
R8C12	SAI	TEH 10.2
R16C12	MAI	TEH 2.1
R16C12	MAI	TEH 16.0
R18C12	SAI	TEH 12.1
R18C12	SAI	TEH 12.3
R16C13	MAI	TEH 2.8
R16C13	SAI	TEH 9.7
R26C13	MAI	TEH 7.2
R26C13	SAI	TEH 10.1
R28C13	MAI	TEH 6.2
R28C13	MAI	TEH 15.8
R29C13	MAI	TEH 5.3
R29C13	SAI	TEH 8.6
R17C14	MAI	TEH 2.9
R17C14	SAI	TEH 8.1
R23C14	MAI	TEH 5.2
R23C14	MAI	TEH 15.8
R26C14	MAI	TEH 2.8
R26C14	SAI	TEH 12.1
R17C15	SAI	TEH 4.6
R17C15	SAI	TEH 5.0
R22C15	MAI	TEH 3.2
R22C15	SAI	TEH 15.8
R25C15	SAI	TEH 14.5
R25C15	SAI	TEH 14.7
R27C15	SAI	TEH 8.3
R27C15	SAI	TEH 8.5
R29C15	SAI	TEH 7.3
R29C15	SAI	TEH 15.9
R20C16	MAI	TEH 5.0
R20C16	SAI	TEH 11.3
R22C16	MAI	TEH 3.2
R22C16	SAI	TEH 3.3
R28C16	SAI	TEH 2.7
R28C16	SAI	TEH 2.8
R33C18	MAI	TEH 3.5
R33C18	SAI	TEH 9.2
R23C19	SAI	TEH 2.4
R23C19	MAI	TEH 4.0
R23C19	MAI	TEH 15.9
R23C19	SAI	TEH 16.0
R26C19	MAI	TEH 4.9
R26C19	SAI	TEH 8.0

TUBES REPAIRED IN "B" STEAM GENERATOR

TUBE	DEFECT	LOCATION
R30C19	MAI	TEH 2.3
R30C19	SAI	TEH 15.7
R32C19	MAI	TEH 4.9
R32C19	MAI	TEH 16.0
R30C22	MAI	TEH 9.2
R30C22	MAI	TEH 15.6
R32C22	MAI	TEH 8.7
R32C22	SAI	TEH 10.4
R33C23	MAI	TEH 5.4
R33C23	SAI	TEH 8.3
R1C26	SAI	TEH 2.7
R1C26	SAI	TEH 15.9
R37C26	MAI	TEH 2.8
R37C26	SAI	TEH 6.4
R1C30	MAI	TEH 2.1
R1C30	SAI	TEH 15.5
R33C30	SAI	TEH 9.7
R33C30	SAI	TEH 9.8
R37C30	MAI	TEH 2.7
R37C30	SAI	TEH 3.9
R41C30	SAI	TEH 7.1
R41C30	SAI	TEH 11.0
R33C32	SAI	TEH 8.2
R33C32	SAI	TEH 8.7
R37C32	MAI	TEH 6.1
R37C32	MAI	TEH 11.0
R33C33	MAI	TEH 3.9
R33C33	SAI	TEH 15.7
R37C33	MAI	TEH 3.8
R37C33	SAI	TEH 10.9
R39C35	SAI	TEH 1.4
R39C35	SAI	TEH 10.7
R33C36	SAI	TEH 4.7
R33C36	SAI	TEH 10.3
R38C36	SAI	TEH 7.9
R38C36	SAI	TEH 8.0
R34C37	SAI	TEH 5.3
R34C37	MAI	TEH 15.9
R1C39	MAI	TEH 3.4
R1C39	SAI	TEH 15.3
R34C40	SAI	TEH 10.1
R34C40	SAI	TEH 13.1
R41C40	SAI	TEH 6.4
R41C40	SAI	TEH 7.4

TUBES REPAIRED IN "B" STEAM GENERATOR		
TUBE	**DEFECT**	**LOCATION**
R41C40	SAI	TEH 7.9
R1C48	MAI	TEH 2.9
R1C48	SAI	TEH 7.2
R38C49	MAI	TEH 6.1
R38C49	MAI	TEH 11.8
R38C50	MAI	TEH 5.6
R38C50	SAI	TEH 11.9
R1C54	SAI	TEH 3.1
R1C54	SAI	TEH 5.5
R42C54	SAI	TEH 5.0
R42C54	SAI	TEH 16.0
R1C55	MAI	TEH 3.6
R1C55	SAI	TEH 3.9
R42C55	SAI	TEH 5.5
R42C55	SAI	TEH 15.9
R1C56	MAI	TEH 2.5
R1C56	SAI	TEH 5.7
R42C56	SAI	TEH 7.3
R42C56	SAI	TEH 15.7
R1C58	MAI	TEH 2.5
R1C58	MAI	TEH 15.9
R33C59	MAI	TEH 4.7
R33C59	SAI	TEH 15.9
R42C59	MAI	TEH 7.4
R42C59	SAI	TEH 11.2
R1C60	MAI	TEH 3.0
R1C60	SAI	TEH 4.0
R39C60	MAI	TEH 6.4
R39C60	SAI	TEH 9.4
R41C60	SAI	TEH 6.8
R41C60	SAI	TEH 9.7
R35C61	SAI	TEH 7.9
R35C61	SAI	TEH 8.0
R37C61	SAI	TEH 5.3
R37C61	SAI	TEH 15.9
R1C62	SAI	TEH 3.6
R1C62	SAI	TEH 4.2
R37C62	MAI	TEH 7.3
R37C62	MAI	TEH 10.0
R1C63	SAI	TEH 3.6
R1C63	MAI	TEH 16.1
R31C63	MAI	TEH 5.3
R31C63	MAI	TEH 15.9
R32C63	MAI	TEH 7.5

TUBES REPAIRED IN "B" STEAM GENERATOR		
TUBE	**DEFECT**	**LOCATION**
R32C63	SAI	TEH 13.0
R36C63	SAI	TEH 10.1
R36C63	SAI	TEH 10.6
R37C63	SAI	TEH 10.8
R37C63	SAI	TEH 11.0
R39C63	MAI	TEH 7.0
R39C63	MAI	TEH 11.8
R41C63	SAI	TEH 4.1
R41C63	SAI	TEH 4.7
R1C64	SAI	TEH 4.0
R1C64	SAI	TEH 5.9
R1C64	SAI	TEH 7.0
R40C64	SAI	TEH 6.3
R40C64	SAI	TEH 6.4
R1C65	MAI	TEH 2.7
R1C65	MAI	TEH 4.1
R37C65	MAI	TEH 6.0
R37C65	SAI	TEH 8.3
R40C65	SAI	TEH 4.8
R40C65	SAI	TEH 6.3
R36C67	SAI	TEH 5.2
R36C67	SAI	TEH 6.2
R39C67	MAI	TEH 6.8
R39C67	SAI	TEH 11.4
R1C68	MAI	TEH 2.4
R1C68	SAI	TEH 5.6
R37C68	MAI	TEH 7.0
R37C68	SAI	TEH 10.0
R37C69	MAI	TEH 8.2
R37C69	SAI	TEH 10.7
R36C70	SAI	TEH 14.9
R36C70	SAI	TEH 16.2
R5C71	MAI	TEH 5.9
R5C71	SAI	TEH 16.2
R27C71	SAI	TEH 4.6
R27C71	SAI	TEH 9.1
R27C71	SAI	TEH 10.1
R37C71	MAI	TEH 3.0
R37C71	SAI	TEH 9.0
R24C72	MAI	TEH 6.0
R24C72	SAI	TEH 10.7
R36C72	MAI	TEH 6.6
R36C72	SAI	TEH 10.7
R2C73	MAI	TEH 2.0

TUBES REPAIRED IN "B" STEAM GENERATOR		
TUBE	**DEFECT**	**LOCATION**
R2C73	MAI	TEH 2.2
R27C73	SAI	TEH 10.7
R27C73	SAI	TEH 10.7
R32C73	SAI	TEH 2.8
R32C73	SAI	TEH 3.5
R17C74	MAI	TEH 4.9
R17C74	SAI	TEH 9.4
R22C74	MAI	TEH 3.2
R22C74	SAI	TEH 16.4
R7C75	MAI	TEH 3.1
R7C75	MAI	TEH 16.0
R21C75	SAI	TEH 3.8
R21C75	SAI	TEH 3.9
R22C75	MAI	TEH 2.7
R22C75	SAI	TEH 11.6
R24C75	MAI	TEH 6.6
R24C75	MAI	TEH 15.8
R27C75	SAI	TEH 9.3
R27C75	SAI	TEH 11.1
R7C76	MAI	TEH 13.5
R7C76	SAI	TEH 15.7
R16C76	SAI	TEH 5.2
R16C76	SAI	TEH 15.9
R22C76	MAI	TEH 3.2
R22C76	MAI	TEH 15.9
R24C76	SAI	TEH 5.6
R24C76	MAI	TEH 15.9
R26C76	MAI	TEH 3.4
R26C76	SAI	TEH 6.5
R27C76	MAI	TEH 3.1
R27C76	MAI	TEH 11.9
R29C76	SAI	TEH 7.6
R29C76	SAI	TEH 7.7
R14C77	MAI	TEH 4.6
R14C77	SAI	TEH 5.9
R16C77	MAI	TEH 3.2
R16C77	SAI	TEH 15.8
R17C77	MAI	TEH 5.7
R17C77	MAI	TEH 11.4
R27C77	MAI	TEH 3.7
R27C77	MAI	TEH 9.8
R1C78	MAI	TEH 2.5
R1C78	SAI	TEH 15.9
R13C78	MAI	TEH 2.8

TUBES REPAIRED IN "B" STEAM GENERATOR		
TUBE	**DEFECT**	**LOCATION**
R13C78	SAI	TEH 16.0
R14C78	MAI	TEH 4.6
R14C78	SAI	TEH 7.3
R18C78	MAI	TEH 2.2
R18C78	MAI	TEH 2.4
R22C78	MAI	TEH 2.7
R22C78	MAI	TEH 4.2
R26C78	MAI	TEH 3.0
R26C78	SAI	TEH 15.5
R13C79	MAI	TEH 2.5
R13C79	MAI	TEH 15.8
R22C79	MAI	TEH 4.0
R22C79	SAI	TEH 4.4
R9C80	SAI	TEH 2.1
R9C80	SAI	TEH 2.4
R18C80	MAI	TEH 2.3
R18C80	MAI	TEH 2.4
R19C80	MAI	TEH 3.0
R19C80	SAI	TEH 9.8
R19C80	SAI	TEH 12.4
R21C80	MAI	TEH 7.8
R21C80	MAI	TEH 16.0
R26C80	SAI	TEH 3.4
R26C80	SAI	TEH 3.8
R8C81	MAI	TEH 3.1
R8C81	SAI	TEH 11.1
R11C81	SAI	TEH 2.4
R11C81	SAI	TEH 2.4
R13C81	MAI	TEH 3.0
R13C81	SAI	TEH 5.4
R15C81	SAI	TEH 4.5
R15C81	SAI	TEH 5.0
R16C81	MAI	TEH 3.3
R16C81	SAI	TEH 10.3
R19C81	MAI	TEH 2.7
R19C81	SAI	TEH 3.5
R21C81	MAI	TEH 7.5
R21C81	SAI	TEH 12.2
R9C82	MAI	TEH 3.8
R9C82	SAI	TEH 15.9
R13C82	MAI	TEH 7.1
R13C82	SAI	TEH 10.9
R14C82	SAI	TEH 6.0
R14C82	SAI	TEH 11.2

TUBES REPAIRED IN "B" STEAM GENERATOR		
TUBE	**DEFECT**	**LOCATION**
R15C82	SAI	TEH 2.9
R15C82	SAI	TEH 3.1
R16C82	MAI	TEH 3.1
R16C82	SAI	TEH 15.9
R18C82	SAI	TEH 2.4
R18C82	SAI	TEH 2.4
R24C82	SAI	TEH 9.5
R24C82	SAI	TEH 15.8
R6C83	MAI	TEH 0.1
R6C83	MAI	TEH 0.3
R8C83	MAI	TEH 0.2
R8C83	MAI	TEH 0.3
R13C83	MAI	TEH 2.8
R13C83	MAI	TEH 12.5
R15C83	MAI	TEH 1.7
R15C83	MAI	TEH 2.4
R16C83	MAI	TEH 2.8
R16C83	MAI	TEH 16.0
R18C83	MAI	TEH 2.4
R18C83	MAI	TEH 2.5
R1C84	MAI	TEH 5.8
R1C84	SAI	TEH 9.0
R7C84	SAI	TEH 4.9
R7C84	SAI	TEH 6.8
R10C84	SAI	TEH 13.2
R10C84	SAI	TEH 13.5
R15C84	SAI	TEH 1.8
R15C84	SAI	TEH 2.3
R16C84	MAI	TEH 6.3
R16C84	SAI	TEH 10.8
R18C84	SAI	TEH 8.4
R18C84	SAI	TEH 8.8
R7C85	MAI	TEH 4.5
R7C85	SAI	TEH 8.7
R8C85	MAI	TEH 2.9
R8C85	SAI	TEH 11.4
R9C85	SAI	TEH 2.9
R9C85	SAI	TEH 3.0
R12C85	MAI	TEH 1.9
R12C85	SAI	TEH 15.9
R13C85	MAI	TEH 6.9
R13C85	SAI	TEH 8.2
R14C85	MAI	TEH 3.8
R14C85	SAI	TEH 10.5

TUBES REPAIRED IN "B" STEAM GENERATOR		
TUBE	**DEFECT**	**LOCATION**
R16C85	SAI	TEH 7.6
R16C85	MAI	TEH 15.9
R17C85	SAI	TEH 3.6
R17C85	SAI	TEH 3.8
R19C85	MAI	TEH 2.4
R19C85	SAI	TEH 5.6
R1C86	SAI	TEH 5.9
R1C86	SAI	TEH 16.1
R16C86	MAI	TEH 3.6
R16C86	SAI	TEH 12.9
R23C86	SAI	TEH 2.7
R23C86	SAI	TEH 3.1
R1C87	SAI	TEH 6.8
R1C87	SAI	TEH 12.4
R1C87	SAI	TEH 16.0
R4C87	MAI	TEH 2.8
R4C87	MAI	TEH 10.5
R4C87	SAI	TEH 10.5
R10C87	SAI	TEH 7.3
R10C87	SAI	TEH 7.3
R12C87	SAI	TEH 2.9
R12C87	SAI	TEH 3.0
R13C87	MAI	TEH 3.0
R13C87	MAI	TEH 3.2
R16C87	MAI	TEH 3.0
R16C87	SAI	TEH 10.2
R19C87	SAI	TEH 3.0
R19C87	MAI	TEH 3.0
R1C88	MAI	TEH 2.8
R1C88	SAI	TEH 3.4
R2C88	SAI	TEH 2.3
R2C88	SAI	TEH 2.4
R4C88	MAI	TEH 3.7
R4C88	MAI	TEH 3.8
R5C88	SAI	TEH 7.7
R5C88	SAI	TEH 7.9
R6C88	SAI	TEH 3.0
R6C88	SAI	TEH 5.8
R6C88	SAI	TEH 11.0
R6C88	SAI	TEH 11.0
R7C88	MAI	TEH 4.2
R7C88	MAI	TEH 9.2
R7C88	SAI	TEH 15.8
R8C88	MAI	TEH 2.6

TUBES REPAIRED IN "B" STEAM GENERATOR		
TUBE	**DEFECT**	**LOCATION**
R8C88	SAI	TEH 9.7
R13C88	MAI	TEH 2.1
R13C88	MAI	TEH 2.5
R17C88	SAI	TEH 3.2
R17C88	SAI	TEH 3.6
R4C90	SAI	TEH 14.3
R4C90	SAI	TEH 16.0
R8C90	MAI	TEH 4.8
R8C90	SAI	TEH 15.4

Comparison to Last Year's Results

In the "A" SG, 244 tubes were plugged and 323 tubes were repaired by rerolling compared to plugging 167 tubes in 1994. A total of 777 of 3260 tubes have been plugged thus far in the "A" SG. In the "B" SG, 117 tubes were plugged and 209 tubes were repaired by rerolling compared to plugging 78 tubes in 1994. A total of 529 of 3260 tubes have been plugged thus far in the "B" SG. The increase in the number of tubes requiring plugging or repairing is attributed to enhancements in the eddy current technology used at PBNP. This was the first time the Plus Point probe was used at PBNP.

Cold Leg Wastage And Pitting

A review of the geometry of the indications verified that tube pitting continues to not be a problem at PBNP, Unit 2. Minimal growth rates were encountered at the top of the tubesheet which had been the historical location of cold leg damage. One tube in the "A" SG and four tubes in the "B" SG were plugged as a result of >40% throughwall degradation in the cold leg.

Tubesheet Crevice Corrosion

Indications of degradation in the tubesheet crevice region were discovered in the hot legs of 247 tubes in the "A" SG and 236 tubes in the "B" SG. These indications were axially oriented with lengths varying from 1/2 inch to 17 inches. All of these tubes were either removed from service by plugging or repaired by rerolling.

Tubesheet crevice corrosion is still active in both steam generators and will be continually monitored.

Roll Transition Indications

Axial indications were discovered in the roll transition in the hot legs of 115 tubes in the "A" SG and 13 tubes in the "B" SG. Circumferential indications were discovered in the roll transition of two hot leg tubes in

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the "A" SG. All of these tubes were either removed from service by plugging or repaired by rerolling.

Steam Generator Closeout Inspections

Closeout inspections were performed following the maintenance of each steam generator. No abnormalities were encountered during the primary closeout inspection.

Reportability

This report is submitted in accordance with Technical Specification Table 15.4.2-1 under the reporting requirement of 10 CFR 50.73(a)(2)(ii), "The licensee shall report...any event or condition that resulted in the condition of the nuclear power plant, including its principal safety barriers, being seriously degraded..."