



30 OCT 8 A 9: 53

September 29, 1980
L-80-323

Mr. James P. O'Reilly, Director, Region II
Office of Inspection & Enforcement
U. S. Nuclear Regulatory Commission
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303

Central File

AOLZ

Dear Mr. O'Reilly:

Re: RII-JPO
50-389
IE Bulletin 80-08

Florida Power & Light Company (FPL) has reviewed IE Bulletin 80-08 with regard to nondestructive examinations performed on containment liner penetration welds. An interim response was submitted to the NRC on July 7, 1980 (L-80-214). The following is being submitted as a final response to items 1 through 3 of the subject Bulletin.

As noted in our interim response, both flued head designs and other designs with containment boundary butt weld(s) between the penetration sleeve and process piping are utilized in St. Lucie Unit 2.

The attached table provides information in response to Bulletin Items 2.a, 2.b, 2.c and 2.d. As may be noted, backing bars are not used on the subject butt welds. Also, all subject butt welds have been or will be radiographed.

Bulletin Item 3 is not applicable since one of the volumetric examinations performed is radiography.

FPL considers all items of IE Bulletin 80-08 to be closed out on the basis that ultrasonic testing is not conducted, that no backing bars are utilized and that radiography is one of the methods required for acceptance of all subject butt welds.

Very truly yours,

W. S. Tucker

for Robert E. Uhrig
Vice President
Advanced Systems & Technology

REU/TCG/ah
Attachment

cc: U. S. Nuclear Regulatory Commission
Director, Division of Reactor Construction Inspection
Washington, D. C. 20555

Harold F. Reis, Esquire

R
OFFICIAL COPY

PEOPLE...SERVING PEOPLE

8010270 *275*

Q

FLORIDA POWER & LIGHT COMPANY
ST LUCIE UNIT 2
CONTAINMENT VESSEL PIPING PENETRATION WELDS

Pen. No.	Pen. Type	System	Weld No.	Weld Type	Weld Proc. (1)	O.D. (in)	Thick (in)	BASE METAL			Back Ring	ASME III (year/addenda)		NDE (2)		Results of Examination
								Process Pipe	Sleeve	Flued Head		Vendor	Field	Vendor	Field	
1	I	Main Steam	#3	Butt	GTAW	60.0	3.0	SA 106 GR.B	SA 516 GR.70	SA105 GR II	No	1971 Ed. thru Winter 1973	1977 Ed. thru Summer 1977 Addenda	LF	VT	Field: VT,MT - Acceptable RT - Incomplete Vendor: Repaired for lack of fusion, lack of penetration, slag.
			FW-3	Butt	GTAW-SHAW									RT	MT	
2	I	Main Steam	#3	Butt	GTAW	60.0	3.0	SA 106 GR.B	SA 516 GR.70	SA 105	No	1971 Ed. thru Winter 1973	1977 Ed. thru Summer 1977 Addenda	MT	VT	Field: VT,MT,RT- Incomplete Vendor: Repaired for lack of fusion, slag.
			FW-3	Butt	GTAW-SHAW									RT	PT	
3	I	Feedwater	#3	Butt	GTAW	45.0	2.25	SA 106 GR.B	SA 516 GR.70	SA 105 GR II	No	1971 Ed. thru Winter 1973	1977 Ed. thru Summer 1977 Addenda	MT	VT	Field: Accepted Vendor: Accepted
			FW-3	Butt	GTAW-SHAW									RT	MT	
4	I	Feedwater	#3	Butt	GTAW	45.0	2.25	SA 106 GR.B	SA 516 GR.70	SA 105 GR II	No	1971 Ed. thru Winter 1973	1977 Ed. thru Summer 1977 Addenda	MT	VT	Field: Accepted Vendor: Repaired for unmelted insert.
			FW-3	Butt	GTAW-SHAW									RT	MT	
5	III	Blowdown	#11	Butt	GTAW	12.75	0.687	SA 106 GR.B	SA 106 GR.B	SA105	No	1971 Ed. thru Winter 1973	1977 Ed. thru Summer 1977 Addenda	RT	VT	Field: Accepted Vendor: Accepted
			FW-3	Butt	GTAW-SHAW									RT	PT	
6	III	Blowdown	#11	Butt	GTAW	12.75	0.687	SA 106 GR.B	SA 106 GR.B	SA 105	No	1971 Ed. thru Winter 1973	1977 Ed. thru Summer 1977 Addenda	RT	VT	Field: Accepted Vendor: Accepted
			FW-3	Butt	GTAW-SHAW									RT	MT	

SEE NOTES ON PAGE 14



FLORIDA POWER & LIGHT COMPANY
ST LUCIE UNIT 2
CONTAINMENT VESSEL PIPING PENETRATION WELDS

Pen. No.	Pen. Type	System	Weld No.	Weld Type	Weld Proc. (1)	O.D. (in)	Thick (in)	BASE METAL			Back Ring	ASME III (year/Addenda)		NDE (2)		Results of Examination
								Process Pipe	Sleeve	Flued Head		Vendor	Field	Vendor	Field	
7	II	Frim Water Supply	FW-3	Butt	GTAW-SM/W	4.5	0.337	SA 312 Tp 304	SU564	-	NO	(3)	1977 Ed. thru Summer 1977 Addenda	(3)	VT PT RT	Field: VT,PT-Accepted RT-Incomplete Vendor: (3)
8	II	Station Air Supply	FW-3	Butt	GTAW-SM/W	4.5	0.337	SA 106 GR.B	SA234 GRWPB	-	NO	(3)	1977 Ed. thru Summer 1977 Addenda	(3)	VT PT RT	Field: VT,PT-Accepted Vendor: (3)
9	II	Instrument Air Supply	FW-3	Butt	GTAW-SM/W	4.5	0.337	SA 312 Tp 304	-	-	NO	(3)	1977 Ed. thru Summer 1977 Addenda	(3)	VT PT RT	Field: VT,PT-Acceptable RT-Incomplete Vendor: (3)
10	II	H & V Containment purge	(4)	Flange	(4)	48.0	2.5	SA 516 GR.70	-	-	NO	-	1977 Ed. thru Summer 1977 Addenda	(4)	(4)	Field: (4) Vendor: (4)
11	II	H & V Containment purge	(4)	Flange	(4)	48.0	2.5	SA 516 GR.70	-	-	NO	(3)	1977 Ed. thru Summer 1977 Addenda	(4)	(4)	Field: (4) Vendor: (4)
12	-	This No. is not used	-	-	-	-	-	-	-	-	-	-	-	-	-	Field: - Vendor: -

SEE NOTES ON PAGE 14

FLORIDA POWER & LIGHT COMPANY
ST LUCIE UNIT 2
CONTAINMENT VESSEL PIPING PENETRATION WELDS

Pen. No.	Pen. Type	System	Weld No.	Weld Type	Weld Proc. (1)	O.D. (in)	Thick (in)	BASE METAL			Back Ring	ASME (year/addenda)		NDE (2)		Results of Examination	
								Process Pipe	Sleeve	Flued Head		Vendor	Field	Vendor	Field		
13		This No. is not used.	-	-	-	-	-	-	-	-	-	-	-	-	-	Field: - Vendor: -	
14	II	Nitrogen Supply	FW-3	Butt	GTAW-SMAW	4.5	0.337	SA 312 Tp 304	SB 167	-	NO	(3)	1977 Ed. thru Summer 1977 Addenda	(3)	VT PT RT	Field: VT-Accepted PT-Repaired & Accepted RT-Incomplete Vendor: (3)	
15	II	CCW Return Fan Cooler	CC43 FW-1	Butt	(5)	8.625	0.906	SA 106 GR.B	-	-	NO	(3)	1977 Ed. thru Summer 1977 Addenda	(3)	VT RT	Field: FW-1: VT, RT-Incomplete CC43 FW-3: (5) P15 FW-3: VT, RT-Accepted Vendor: (3)	
			CC43 FW-3	Butt	GTAW-SMAW										(5)		VT RT
			P15 FW-3	Butt	GTAW-SMAW										(5)		VT RT
16	II	CCW Supply Fan Cooler	CC39 FW-4	Butt	(5)	8.625	0.906	SA 106 GR.B	-	-	NO	(3)	1977 Ed. thru Summer 1977 Addenda	(3)	(5)	Field: FW-4: (5) CC37 FW-3: VT, RT-Incomplete P16 FW-3: VT, RT-Accepted Vendor: (3)	
			CC37 FW-3	Butt	GTAW-SMAW										(5)		VT RT
			P16 FW-3	Butt	GTAW-SMAW										(5)		VT RT
17	II	CCW Return Fan Cooler	CC44 FW-1	Butt	(5)	8.625	0.906	SA 106 GR.B	-	-	NO	(3)	1977 Ed. thru Summer 1977 Addenda	(3)	VT RT	Field: FW-1: VT, RT-Accepted FW-2: (5) FW-3: VT, RT-Accepted Vendor: (3)	
			CC44 FW-2	Butt	(5)										(5)		VT RT
			P17 FW-3	Butt	GTAW-SMAW										(5)		VT RT
18	II	CCW Supply Fan Cooler	CC40 FW-1	Butt	GTAW-SMAW	8.625	0.906	SA 106 GR.B	-	-	NO	(3)	1977 Ed. thru Summer 1977 Addenda	(3)	VT RT	Field: FW-1: VT-Accepted FW-1: RT-Incomplete FW-2: (5) FW-3: VT, PT, RT-Accepted Vendor: (3)	
			CC40 FW-2	Butt	(5)										(5)		VT RT
			CC18 FW-3	Butt	GTAW-SMAW										(5)		VT RT

SEE NOTES ON PAGE 14

FLORIDA POWER & LIGHT COMPANY
ST LUCIE UNIT 2
CONTAINMENT VESSEL PIPING PENETRATION WELDS

Pen. No.	Pen. Type	System	Weld No.	Weld Type	Weld Proc. (1)	O.D. (in)	Thick (in)	BASE METAL			Back Ring	ASME III (year/Addenda)		NDE (2)		Results of Examination	
								Process Pipe	Sleeve	Flued Head		Vendor	Field	Vendor	Field		
19	II	CCW Return Fan Cooler	P39 FW-3	Butt	GTAW	8.625	0.906	SA 106 GR.B	-	-	NO	(3)	1977 Ed. thru Summer 1977 Addenda	(3)	VT	Field: VT, RT-Accepted: FW-3 FW-14: (5) VT, RT-Accepted: FW-1	
			CC41 FW-14	Butt	(5)										(5)		Vendor: (3)
			CC41 FW-1	Butt	GTAW-SMAW										VT		RT
20	II	CCW Supply Fan Cooler	CC37 FW-2	Butt	GTAW-SMAW	8.625	0.906	SA 106 GR.B	-	-	NO	(3)	1977 Ed. thru Summer 1977 Addenda	(3)	VT	Field: VT, RT-Accepted: FW-3 VT, RT-Accepted: FW-3 (5): FW-3-CC37	
			P20 FW-3	Butt	GTAW-SMAW										VT		RT
			CC37 FW-3	Butt	(5)										(5)		Vendor: (3)
21	II	CCW Return Fan Cooler	CC42 FW-2	Butt	(5)	8.625	0.906	SA 106 GR.B	-	-	NO	(3)	1977 Ed. thru Summer 1977 Addenda	(3)	(5)	Field: (5): FW-2 VT, RT-Accepted: FW-3 VT, RT-Accepted: FW-1	
			P21 FW-3	Butt	GTAW-SMAW										VT		RT
			CC42 FW-1	Butt	GTAW-SMAW										VT		RT
22	II	CCW Supply Fan Cooler	P22 FW-3	Butt	GTAW-SMAW	8.625	0.906	SA 106 GR.B	-	-	NO	(3)	1977 Ed. thru Summer 1977 Addenda	(3)	VT	Field: VT, RT-Accepted: FW-3 P21 VT, RT-Accepted: FW-3 C18 (5): FW-4	
			CC38 FW-3	Butt	GTAW-SMAW										VT		RT
			CC38 FW-4	Butt	(5)										(5)		Vendor: (3)
23	II	Water Supply Reactor Coolant Pumps	CC138 FW-2	Butt	GTAW-SMAW	8.625	0.906	SA 106 GR.B	-	-	NO	(3)	1977 Ed. thru Summer 1977 Addenda	(3)	VT	Field: VT, RT-Incomplete: FW-2 VT, RT-Incomplete: FW-1 VT, RT-Accepted: FW-3	
			CC138 FW-1	Butt	GTAW-SMAW										VT		RT
			P23 FW-3	Butt	GTAW-SMAW										VT		RT
24	II	Water Return Reactor Coolant Pumps	CC168 FW-3	Butt	GTAW-SMAW	8.625	0.906	SA 106 GR.B	-	-	NO	(3)	1977 Ed. thru Summer 1977 Addenda	(3)	VT	Field: VT, RT-Accepted: FW-3 C168 VT, RT-Incomplete: FW-1 VT, RT-Accepted: FW-3 P24	
			CC168 FW-1	Butt	GTAW-SMAW										VT		RT
			P24 FW-3	Butt	GTAW-SMAW										VT		RT

SEE NOTES ON PAGE 14

August 1980

FLORIDA POWER & LIGHT COMPANY
ST LUCIE UNIT 2
CONTAINMENT VESSEL PIPING PENETRATION WELDS

Pen. No.	Pen. Type	System	Weld No.	Weld Type	Weld Proc.	O.D. (in)	Thick (in)	BASE METAL			Back Ring	ASME III (year/addenda)		NDE		Results of Examination
								Process Pipe	Sleeve	Flued Head		Vendor	Field	Vendor	Field	
25	V	Fuel transfer tube	P25 FW-6 and FW-8	(4)	(4)	48.0	1.0	-	-	-	NO	-	-	(4)	(4)	Field: (4) Vendor: (4)
26	III	Letdown line	#11	Butt	GTAW	12.75	1.312	SA 312 Tp 304	SA 106 GR.B	SA 182 GRP304	No	1971 Ed. thru Winter 1973	1977 Ed. thru Summer 1973 Addenda	RT	VT PT MT RT	Field: PT, VT, MT, RT-Accepted
			FW3	Butt	GTAW											Vendor: RT-Accepted
27	III	Charging line	#11	Butt	GTAW	10.750	1.125	SA 312 Tp 304	SA 106 GR.B	SA 182 GRP304	No	1971 Ed. thru Winter 1973	1977 Ed. thru Summer 1973 Addenda	RT	VT PT MT RT	Field: VT,PT,MT,RT-Accepted
			FW3	Butt	GTAW											Vendor: RT-Repaired and Accepted
28	II	Sampling hot leg.	#13	Butt	GTAW	6.625	0.432	SA 106 GR.B	-	-	No	1971 Ed. thru Winter 1973	1977 Ed. thru Summer 1973 Addenda	RT	VT MT RT	Field: VT,MT,RT-Accepted
			FW3	Butt	GTAW-SMAW											Vendor: RT-Accepted
29	II	Sampling pressurizer steam space.	#13	Butt	GTAW	6.625	0.432	SA 106	-	-	No	1971 Ed. thru Winter 1973	1977 Ed. thru Summer 1973 Addenda	RT	VT MT RT	Field: VT,MT,RT-Accepted
			FW3	Butt	GTAW-SMAW											Vendor: RT-Accepted
30	II	Blowdown	#13	Butt	GTAW	6.625	0.432	SA 106	-	-	No	1971 Ed. thru Winter 1973	1977 Ed. thru Summer 1973 Addenda	RT	VT MT RT	Field: VT,MT,RT-Accepted
			FW3	Butt	GTAW-SMAW											Vendor: Repaired for porosity.

SEE NOTES ON PAGE 14

FLORIDA POWER & LIGHT COMPANY
ST LUCIE UNIT 2
CONTAINMENT VESSEL PIPING PENETRATION WELDS

Pen. No.	Pen. Type	System	Weld No.	Weld Type	Weld Proc. (1)	O.D. (i)	Thick (in)	BASE METAL			Back Ring	ASME III (year/addenda)		NDE (2)		Results of Examination
								Process Pipe	Sleeve	Flued Head		Vendor	Field	Vendor	Field	
31	II	Containment Vent header	FW-3	Butt	GTAW-SMAW	2.375	0.343	SA 312 Tp 304	-	-	NO	(3)	1977 Ed. thru Summer 1977 Addenda	(3)	VT PT VT RT	Field: VT,VT,PT-Accepted RT-Incomplete Vendor: (3)
32	IV	Containment sump. Suct.	FW-2	Butt	GTAW-SMAW	34.0	1.50	SA 358 Tp 304 Cl. I	SA 516 GR.70	SA 182 F 304	NO	(3)	(5)	(3)	PT VT MT RT	Field: VT,PT,MT,RT-Accepted FW-2: (5)
			FW-3	Butt	GTAW-SMAW											Vendor: (3)
33	IV	Containment jump. suct.	FW-2	Butt	(5)	34.0	1.50	SA 358 Tp.304 Cl. I	SA 516 GR.70	SA 182 F 304	NO	(3)	1977 Ed. thru Summer 1977 Addenda	(3)	VT PT MT RT	Field: FW-2: (5) FW-3: PT,MT-Accepted VT,RT-Incomplete
			FW-3	Butt	GTAW-SMAW											Vendor: (3)
34A	II	Containment spray	CS12 FW-1	Butt	GTAW	10.750	0.593	C.S	-	-	NO	(3)	1977 Ed. thru Summer 1977 Addenda	(3)	VT PT RT	Field: VT,PT-Accepted RT-Incomplete Vendor: (3)
35A	II	Containment spray	CS13 FW-2	Butt	GTAW	10.750	0.593	C.S	-	-	NO	(3)	1977 Ed. thru Summer 1977 Addenda	(3)	VT RT	Field: VT,RT-Accepted Vendor: (3)
34B	II	Containment spray	-	(6)	-	-	-	-	-	-	-	-	-	(6)	(6)	Field: (6) Vendor: (6)

SEE NOTES ON PAGE 14

FLORIDA POWER & LIGHT COMPANY
ST LUCIE UNIT 2
CONTAINMENT VESSEL PIPING PENETRATION WELDS

Pen. No.	Pen. Type	System	Weld No.	Weld Type	Weld Proc. (1)	O.D. (in)	Thick (in)	BASE METAL			Back Ring	ASME III (year/addenda)		NDE (2)		Results of Examination
								Process Pipe	Sleeve	Flued Head		Vendor	Field	Vendor	Field	
35B	II	Containment Spray	-	(6)	-	-	-	-	-	-	-	-	-	(6)	(6)	Field: (6) Vendor: (6)
36	III	Safety injection loop	#11 FW-3	Butt Butt	GTAW-SMAW GTAW-SMAW	18.0	1.75	SA 312 Tp 304	SA 106 GR.B	SA 182 GRF304	No	1971 Ed. thru Winter 1973	1977 Ed. thru Summer 1977 Addenda	RT	VT MT RT	Field: VT, RT-Accepted MT- Incomplete Vendor: RT-Accepted
37	III	Safety injection loop	#11 FW-3	Butt Butt	GTAW-SMAW GTAW-SMAW	18.0	1.75	SA 312 Tp 304	SA 106 GR.B	SA 182 GRF304	No	1971 Ed. thru Winter 1973	1977 Ed. thru Summer 1977 Addenda	RT	VT PT MT RT	Field: VT,PT,MT-Accepted RT-Incomplete Vendor: Repaired for slag and surface
38	III	Safety injection loop	#11 FW-3	Butt Butt	GTAW-SMAW GTAW-SMAW	18.0	1.75	SA 312 Tp 304	SA 106 GR.B	SA 182 GRF304	No	1971 Ed. thru Winter 1973	1977 Ed. thru Summer 1977 Addenda	RT	VT MT RT	Field: VT,MT-Incomplete RT-Accepted Vendor: Repaired for slag
39	III	Safety injection loop	#11 FW-5	Butt Butt	GTAW-SMAW GTAW-SMAW	18.0	1.75	SA 312 Tp 304	SA 106 GR.B	SA 182 GRF304	No	1971 Ed. thru Winter 1973 Addenda	1977 Ed. thru Summer 1977 Addenda	RT	VT MT RT	Field: VT-Accepted MT,RT-Incomplete Vendor: Repaired for slag
40	III	Shutdown cooling	#11 FW-3	Butt Butt	GTAW-SMAW GTAW-SMAW	24.0	1.25	SA 312 Tp 304	SA 516 GR.70	SA 182 GR.F304	No	1971 Ed. thru Winter 1973 Addenda	1977 Ed. thru Summer 1977 Addenda	RT	VT MT RT	Field: VT,MT,RT-Accepted Vendor: RT-Accepted

SEE NOTES ON PAGE 14

FLORIDA POWER & LIGHT COMPANY
ST LUCIE UNIT 2
CONTAINMENT VESSEL PIPING PENETRATION WELDS

Pen. No.	Pen. Type	System	Weld No.	Weld Type	Weld Proc. (1)	O.D. (in)	Thick (in)	BASE METAL			Back Ring	ASME III (year/Addenda)		NDE (2)		Results of Examination
								Process Pipe	Sleeve	Flued Head		Vendor	Field	Vendor	Field	
41	III	Safety injection tank test	#11	Butt	GTAW-SMAW	8.625	0.906	SA 312 Tp 304	SA 106 GR.B	SA 182 GR.F304	No	1971 Ed. thru Winter 1973 Addenda	1977 Ed. thru Summer 1973 Addenda	RT	VT MT RT	Field: VT,MT,RT-Accepted
			FW-3	Butt	GTAW-SMAW											Vendor: RT-Accepted
42	II	Cont. sump pump discharge	FW-3	Butt	GTAW-SMAW	3.50	0.438	SA 312 Tp 304	-	-	NO	1971 Ed. thru Winter 1973 Addenda	1977 Ed. thru Summer 1977 Addenda	(3)	VT RT	Field: VT,RT-Accepted
																Vendor: (3)
43	IV	Reactor drain pump suction	FW-2	Butt	(5)	8.625	0.500	SA 358 Tp 304	SA 516 GR.70	SA 182 F 304	NO	(3)	(5)	(3)	(5)	Field: FW-2: (5) FW-3: VT,MT,RT-Incomplete
			FW-3	Butt	GTAW-SMAW											Vendor: (3)
44	III	Reactor coolant pumps controlled bleed off	#11	Butt	GTAW-SMAW	6.625	0.864	SA 312 Tp 304	SA 106 GR.B	SA 182 GR.F 304	No	1971 Ed. thru Winter 1973 Addenda	1977 Ed. thru Summer 1977 Addenda	RT	VT MT RT	Field: VT,MT,RT-Incomplete
			FW-3	Butt	GTAW-SMAW											Vendor: Repaired and Accepted
45	II	Diff. press. between inside containment & annulus	#13	Butt	GTAW-SMAW	6.625	0.432	SA 106 GR.B	-	-	No	1971 Ed. thru Winter 1973 Addenda	1977 Ed. thru Summer 1977 Addenda	RT	VT MT RT	Field: VT,MT,RT-Accepted
			FW-3	Butt	GTAW-SMAW											Vendor: RT-Accepted
46	II	Refuel cavity purif. inlet	FW-3	Butt	GTAW-SMAW	6.625	0.432	SA 312 Tp.304	-	-	NO	(3)	1977 Ed. thru Summer 1977 Addenda	(3)	VT PT RT	Field: VT,PT-Accepted RT-Incomplete
																Vendor: (3)

SEE NOTES ON PAGE 14

FLORIDA POWER & LIGHT COMPANY
ST LUCIE UNIT 2
CONTAINMENT VESSEL PIPING PENETRATION WELDS

Pen. No.	Pen. Type	System	Weld No.	Weld Type	Weld Proc. (1)	O.D. (in)	Thick (in)	BASE METAL			Back Ring	ASME III (year/addenda)		NDE (2)		Results of Examination
								Process Pipe	Sleeve	Flued Head		Vendor	Field	Vendor	Field	
47	II	Refuel cavity purif. outlet	FW-3	Butt	GTAW- SMAW	6.625	0.718	SA 312 Tp.304	-	-	NO	(3)	1977 Ed. thru Summer 1977 Addenda	(3)	VT PT RT	Field: VT,PT-Accepted RT-Incomplete Vendor: (3)
48	II	H2 sampling	#13	Butt	GTAW- SMAW	6.625	0.864	SA 106 GR.B	-	-	No	1971 Ed. thru Winter 1973	1977 Ed. thru Summer 1977 Addenda	RT	VT MT RT	Field: VT,MT,RT-Incomplete
			FW-3	Butt	GTAW- SMAW											Vendor: RT-Accepted
49	II	Blowdown	#13	Butt	GTAW- SMAW	6.625	0.375	SA 106 GR.B	-	-	No	1971 Ed. thru Winter 1973	1977 Ed. thru Summer 1977 Addenda	RT	VT PT MT RT	Field: VT,PT,MT-Accepted RT-Incomplete
			FW-3	Butt	GTAW- SMAW											Vendor: RT-Accepted
50	-	spare	-	(4)	-	14.0	0.750	-	-	-	-	-	-	-	-	Field: - Vendor: -
51	II	H ₂ sampling	#13	Butt	GTAW- SMAW	6.625	0.864	SA 106 GR.B	-	-	NO	1971 Ed. thru Winter 1973	1977 Ed. thru Summer 1977 Addenda	RT	VT PT MT RT	Field: VT,PT,MT,RT-Accepted
			FW-3	Butt	GTAW- SMAW											Vendor: RT-Accepted
52	II	Integrated leak rate test instrum- entation	(5)	Butt	(5)	12.75	1.312	SA 106 GR.B	-	-	NO	(5)	(5)	(5)	(5)	Field: (5)
																Vendor: (5)

SEE NOTES ON PAGE 14

FLORIDA POWER & LIGHT COMPANY
ST. LUCIE UNIT 2
CONTAINMENT VESSEL PIPING PENETRATION WELDS

Pen. No.	Pen. Type	System	Weld No.	Weld Type	Weld Proc. (1)	O.D. (in)	Thick (in)	BASE METAL			Back Ring	ASME III (year/Addenda)		NDE (2)		Results of Examination
								Process Pipe	Sleeve	Flued Head		Vendor	Field	Vendor	Field	
53	II	Diff. press. between inside containment & annulus	#13	Butt	GTAW-SMAW	6.625	0.432	SA 106 GR.B	-	-	No	1971 Ed. thru Winter 1973	1977 Ed. thru Summer 1977 Addenda	RT	VT PT MT RT	Field: VT,PT,MT-Accepted RT-Incomplete
			FW-3	Butt	GTAW-SMAW											Vendor: RT-accepted
54	II	Integrated leak rate testing	(5)	Butt	(5)	16.0	1.0	SA 106 GR.B	-	-	NO	(5)	(5)	(5)	(5)	Field: (5)
																Vendor: (5)
55	-	spare	-	(4)	-	4.500	0.531	-	-	-	-	-	-	-	-	Field: -
																Vendor: -
56	II	H & V purge inlet	(5)	Butt	(5)	8.625	0.906	C.S.	-	-	NO	(5)	(5)	(5)	(5)	Field: (5)
																Vendor: (5)
57	II	H & V purge outlet	(5)	Butt	(5)	8.625	0.906	C.S.	-	-	NO	(5)	(5)	(5)	(5)	Field: (5)
																Vendor: (5)
58	-	spare	-	(4)	-	4.500	0.531	-	-	-	-	-	-	-	-	Field: -
																Vendor: -

SEE NOTES ON PAGE 14

FLORIDA POWER & LIGHT COMPANY
ST LUCIE UNIT 2
CONTAINMENT VESSEL PIPING PENETRATION WELDS

Pen. No.	Pen. Type	System	Weld No.	Weld Type	Weld Proc. (1)	O.D. (in)	Thick (in)	BASE METAL			Back Ring	ASME III (year/addenda)		NDE (2)		Results of Examination
								Process Pipe	Sleeve	Flued Head		Vendor	Field	Vendor	Field	
59	-	Shield bldg. vent	-	(4)	-	-	-	-	-	-	-	-	-	-	-	Field: - Vendor: -
60	-	Shield bldg. vent	-	(4)	-	-	-	-	-	-	-	-	-	-	-	Field: - Vendor: -
61	-	Spare	-	(4)	-	-	-	-	-	-	-	-	-	-	-	Field: - Vendor: -
62	-	Instrument air to const. hatch	-	(4)	-	-	-	-	-	-	-	-	-	-	-	Field: - Vendor: -
63	-	This number not used-	-	-	-	-	-	-	-	-	-	-	-	-	-	Field: - Vendor: -
64	III	Shutdown cooling	#11 FW-3	Butt Butt	GTAW-SMAW GTAW-SMAW	24.0	1.25	SA 312 Tp 304	SA 106 GR.70	SA 182 GR.F304	No	1971 Ed. thru Winter 1973 Addenda	1977 Ed. thru Summer 1977 Addenda	RT	VT PT RT	Field: VT,PT,RT-Accepted Vendor: RT-Accepted

SEE NOTES ON PAGE 14

FLORIDA POWER & LIGHT COMPANY
ST LUCIE UNIT 2
CONTAINMENT VESSEL PIPING PENETRATION WELDS

Pen. No.	Pen. Type	System	Weld No.	Weld Type	(1) Weld Proc.	O.D. (in)	Thick (in)	BASE METAL			Back Ring	ASME III (year/Addenda)		NDE (2)		Results of Examination
								Process Pipe	Sleeve	Flued Head		Vendor	Field	Vendor	Field	
65	-	Spare	-	(4)	-	-	-	-	-	-	-	-	-	-	-	Field: - Vendor: -
66	-	Spare	-	(4)	-	-	-	-	-	-	-	-	-	-	-	Field: - Vendor: -
67	VI	H & V vacuum relief	-	(4)	-	-	-	-	-	-	-	-	-	-	-	Field: - Vendor: -
68	VI	H & V vacuum relief	-	(4)	-	24.0	0.750	-	-	-	-	-	-	-	-	Field: - Vendor: -
69	III	Hot leg. 2B injection	#11 FW-J	Butt Butt	GTAW-SHAW GTAW-SHAW	10.750	1.125	SA 312 Tp.304	SA 106 GR.B	SA 182 GR.F304	No	1971 Ed. thru Winter 1973 Addenda	1977 Ed. thru Summer 1973 Addenda	RT	VT MT RT	Field: VT,MT-Accepted FT-Incomplete Vendor: Repaired for slag
70	III	Hot leg. 2B injection	#11 FW-3	Butt Butt	GTAW-SHAW GTAW-SHAW	10.750	1.125	SA 312 Tp.304	SA 106 GR.B	SA 182 GR.F304	No	1971 Ed. thru Winter 1973 Addenda	1977 Ed. thru Summer 1977 Addenda	RT	VT MT RT	Field: VT,MT,RT-Accepted Vendor: RT-Accepted

SEE NOTES ON PAGE 14

FLORIDA POWER & LIGHT COMPANY
ST LUCIE UNIT 2
CONTAINMENT VESSEL PIPING PENETRATION WELDS

Pen. No.	Pen. Type	System	Weld No.	Weld Type	Weld Proc. (1)	O.D. (in)	Thick (in)	BASE METAL			Back Ring	ASME III (year/addenda)		NDE (2)		Results of Examination
								Process Pipe	Sleeve	Flued Head		Vendor	Field	Vendor	Field	
71	-	Spare	-	(4)	-	8.625	0.906	-	-	-	-	-	-	-	-	Field: - Vendor: -
72	-	Spare	-	(4)	-	8.625	0.906	-	-	-	-	-	-	-	-	Field: - Vendor: -
																Field: Vendor:
																Field: Vendor:
																Field: Vendor:
																Field: Vendor:

SEE NOTES ON PAGE 14

FLORIDA POWER & LIGHT COMPANY
ST LUCIE UNIT NO. 2
IE BULLETIN 80-08

NOTES:

- (1) GTAW- gas tungsten arc welding
SMAW- shielded metal arc welding
- (2) VT- visual test
PT- liquid penetrant
MT- magnetic partical test
RT- radiographed
- (3) Vendor does not supply penetration
(penetration is field fabricated).
- (4) Penetration is not applicable to
IE Bulletin 80-08
- (5) Data not yet available (i.e. not
designed or fabricated, etc.)
- (6) Penetrations 34 B and 35 B, which
are associated with penetrations
34 A and 35 A respectively, pass
only through the Shield Building
and thus are not applicable to
IE Bulletin 80-08.