

MEMRO REG. DIV.  
ATLANTA, GA 30303



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AO/2 July 7, 1980  
L-80-214  
*Central File*  
*50-389*

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

Dear Mr. O'Reilly:

Re: St. Lucie Unit 2  
Docket 50-389  
IE Bulletin 80-08 - Examination of  
Containment Liner Penetration Welds

Florida Power & Light Company has reviewed IE Bulletin 80-08 in regard to ultrasonic examination of containment penetration welds with likelihood of undetectable indications.

As requested in item 1 of the Bulletin, our facility utilizes the flued head design for penetration connections and also the other design with containment boundary butt weld between the penetration sleeve and process piping.

We are presently investigating the records on the subject welds on penetrations at the vendor's facility and the field to obtain necessary information requested in the Bulletin. However, the enclosed Attachment 1 provides information relative to item 2c of the Bulletin that is now available. Additional information requested in the Bulletin per items 2a, b, d and 3 as applicable, will be provided upon completion of our investigation.

This will serve as our interim response to IE Bulletin 80-08 and our final response to this Bulletin will be submitted prior to September 30, 1980.

Very truly yours,

Robert E. Uhrig  
Vice President  
Advanced Systems & Technology

REU/PP/ah

Attachments

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

Harold F. Reis, Esquire

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ATTACHMENT 1

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 CODE (year/addenda)		NDE		Results of Examination
								Process Pipe	Sleeve	Flued Head		Vendor	Field	Vendor	Field	
1	I	Main Steam		Butt		60.0	3.0	SA 106 GR.B	SA 516 GR.70	SA105 GR II					Field:	
															Vendor:	
2	I	Main Steam		Butt		60.0	3.0	SA 106 GR.B	SA 516 GR.70	SA 105					Field:	
															Vendor:	
3	I	Feedwater		Butt		45.0	2.25	SA 106 GR.B	SA 516 GR 70	SA 105 GR II					Field:	
															Vendor:	
4	I	Feedwater		Butt		45.0	2.25	SA 106 GR.B	SA 516 GR 70	SA 105 GR II					Field:	
															Vendor:	
5	III	Blowdown		Butt.		12.75	0.687	SA 106 GR.B	SA 106 GR.B	SA105					Field:	
															Vendor:	
6	III	Blowdown		Butt		12.75	0.687	SA 106 GR.B	SA 106 GR.B	SA 105					Field:	
															Vendor:	

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								Process Pipe	Sleeve	Flued Head		Vendor	Field	Vendor	Field	
7	II	Frim Water Supply		Butt		4.5	0.337	SA 312 Tp 304	SB564	-						Field: Vendor:
8	II	Station Air Supply		Butt		4.5	0.337	SA 106 GR.B	SA234 GRWPB	-						Field: Vendor:
9	II	Instrument Air Supply		Butt		4.5	0.337	SA 312 Tp 304	-	-						Field: Vendor:
10	II	H & V Containment purge		Flange		48.0	2.5	SA 516 GR.70	-	-						Field: Vendor:
11	II	H & V Containment purge		Flange		48.0	2.5	SA 516 GR.70	-	-						Field: Vendor:
12		This No. is not used														Field: Vendor:



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								Process Pipe	Sleeve	Flued Head		Vendor	Field	Vendor	Field	
19	II	CCW Return Fan Cooler		Butt		8.625	0.906	SA 106 GR.B	-	-						Field: Vendor:
20	II	CCW Supply Fan Cooler		Butt		8.625	0.906	SA 106 GR.B	-	-						Field: Vendor:
21	II	CCW Return Fan Cooler		Butt		8.625	0.906	SA 106 GR.B	-	-						Field: Vendor:
22	II	CCW Supply Fan Cooler		Butt		8.625	0.906	SA 106 GR.B	-	-						Field: Vendor:
23	II	Water Supply Reactor Coolant Pumps		Butt		8.625	0.906	SA 106 GR.B	-	-						Field: Vendor:
24	II	Water Return Reactor Coolant Pumps		Butt		8.625	0.906	SA 106 GR.B	-	-						Field: Vendor:

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								Process Pipe	Sleeve	Flued Head		Vendor	Field	Vendor	Field	
25	V	Fuel transfer tube				48.0	1.0									Field: Vendor:
26	III	Letdown line		Butt		12.75	1.312	SA 312 Tp 304	SA 106 GR.B	SA 182 GRF304						Field: Vendor:
27	III	Charging line		Butt		10.750	1.125	SA 312 Tp 304	SA 106 GR.B	SA 182 GRF304						Field: Vendor:
28	II	Sampling hot leg.		Butt		6.625	0.432	SA 106 GR.B	-	-						Field: Vendor:
29	II	Sampling pressurizer steam space.		Butt		6.625	0.432	SA 106	-	-						Field: Vendor:
30	II	Blowdown		Butt		6.625	0.432	SA 106	-	-						Field: Vendor:



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								Process Pipe	Sleeve	Flued Head		Vendor	Field	Vendor	Field	
31	II	Containment Vent header		Butt		2.375	0.343	SA 312 Tp 304	-	-						Field: Vendor:
32	IV	Containment sump. Suct.		Butt		34.0	1.50	SA 358 Tp 304 Cl. I	SA 516 GR.70	SA 182 F 304						Field: Vendor:
33	IV	Containment jump. suct.		Butt		34.0	1.50	SA 358 Tp.304 Cl. I	SA 516 GR.70	SA 182 F 304						Field: Vendor:
34A	-	Containment spray		Butt		10.750	0.593	C.S	-	-						Field: Vendor:
35A	-	Containment spray		Butt		10.750	0.593	C.S	-	-						Field: Vendor:
34B	II	Containment spray		This penetration connected to pipe												Field: Vendor:



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								Process Pipe	Sleeve	Flued Head		Vendor	Field	Vendor	Field		
35B	II	Containment Spray	This penetration connected to pipe			-											Field: Vendor:
36	III	Safety injection loop		Butt		18.0	1.75	SA 312 Tp 304	SA 106 GR.B	SA 182 GRF304							Field: Vendor:
37	III	Safety injection loop		Butt		18.0	1.75	SA 312 Tp 304	SA 106 GR.B	SA 182 GRF304							Field: Vendor:
38	III	Safety injection loop		Butt		18.0	1.75	SA 312 Tp 304	SA 106 GR.B	SA 182 GRF304							Field: Vendor:
39	III	Safety injection loop		Butt		18.0	1.75	SA 312 Tp 304	SA 106 GR.B	SA 182 GRF304							Field: Vendor:
40	III	Shutdown cooling		Butt		24.0	1.25	SA 312 Tp 304	SA 516 GR.70	SA 182 GR.F304							Field: Vendor:



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								Process Pipe	Sleeve	Flued Head		Vendor	Field	Vendor	Field	
47	II	Refuel cavity purif. outlet		Butt		6.625	0.718	SA 312 Tp.304	-	-						Field: Vendor:
48	II	H2 sampling		Butt		6.625	0.864	SA 106 GR.B	-	-						Field: Vendor:
49	II	Blowdown		Butt		6.625	0.375	SA 106 GR.B	-	-						Field: Vendor:
50	-	spare		-		14.0	0.750									Field: Vendor:
51	II	H <sub>2</sub> sampling		Butt		6.625	0.864	SA 106 GR.B	-	-						Field: Vendor:
52	II	Integrated leak rate test instrumentation		Butt		12.75	1.312	SA 106 GR.B	-	-						Field: Vendor:

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								Process Pipe	Sleeve	Flued Head		Vendor	Field	Vendor	Field	
53	II	Diff. press. between inside containment & annulus		Butt		6.625	0.432	SA 106 GR.B	-	-						Field: Vendor:
54	II	Integrated leak rate testing		Butt		16.0	1.0	SA 106 GR.B	-	-						Field: Vendor:
55	-	spare		-		4.500	0.531	-	-	-						Field: Vendor:
56	II	II & V purge inlet		Butt		8.625	0.906	C.S.	-	-						Field: Vendor:
57	II	II & V purge outlet		Butt		8.625	0.906	C.S.	-	-						Field: Vendor:
58	-	spare		-		4.500	0.531	-	-	-						Field: Vendor:

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								Process Pipe	Sleeve	Flued Head		Vendor	Field	Vendor	Field	
59	-	Shield bldg. vent	-													Field: Vendor:
60	-	Shield bldg. vent	-													Field: Vendor:
61	-	Spare														Field: Vendor:
62	-	Instrument air to const. hatch														Field: Vendor:
63		this number not used-														Field: Vendor:
64	III	Shutdown cooling		Butt		24.0	1.25	SA 312 Tp 304	SA 106 GR.70	SA 182 GR.F304						Field: Vendor:



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								Process Pipe	Sleeve	Flued Head		Vendor	Field	Vendor	Field	
71	-	Spare				8.625	0.906									Field: Vendor:
72	-	Spare				8.625	0.906									Field: Vendor:
																Field: Vendor:
																Field: Vendor:
																Field: Vendor:
																Field: Vendor: