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ACCESSION NBR: 8706100107 DOC. DATE: 87/06/05 NOTARIZED: NO DOCKET #
FACIL: 50-250 Turkey Point Plant, Unit 3, Florida Power and Light C 05000250
50-251 Turkey Point Plant, Unit 4, Florida Power and Light C 05000251
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RECIP. NAME RECIPIENT AFFILIATION
Document Control Branch (Document Control Desk)

SUBJECT: Forwards revisions to inservice test program for valves. Changes required due to plant changes/mods or to correct errors in inservice test program.

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FLORIDA POWER & LIGHT COMPANY

JUNE 05 1987

L-87-238

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

Gentlemen:

Re: Turkey Point Unit Nos. 3 & 4
Docket Nos. 50-250 and 50-251
Revisions to the Inservice Test Program - Valves

Attached are revised pages to the Turkey Point Unit Nos. 3 & 4 Inservice Test (IST) Program - Valves. Revisions are indicated by a single vertical line in the right margin. These changes are required because of plant changes/modifications or to correct errors in the IST Program.

Revisions to the IST Program include:

1) Page Nos. 29 and 101A

The existing 2-inch, high-head safety injection system test line return to the refueling water storage tank, air-operated globe valve Nos. CV-*-856A and CV-*-856B, are being replaced by 2-inch motor-operated globe valve Nos. MOV-*-856A and MOV-*-856B. Installation of these valves will be completed on Unit No. 3 by the end of the current refueling outage. They are scheduled to be installed on Unit No. 4 during the next refueling outage.

2) Page 39

The existing 3-inch, steam supply to turbine-driven auxiliary feedwater (AFW) pump Nos. A, B, & C, motor-operated gate valve Nos. MOV-*-1403, MOV-*-1404, and MOV-*-1405, are being replaced by 4-inch motor-operated globe valve Nos. MOV-*-1403, MOV-*-1404, and MOV-*-1405. Installation of these valves will be completed on both Unit Nos. 3 & 4 by the end of the current Unit No. 3 refueling outage.

3) Page 39

The existing 3-inch, steam supply to turbine-driven AFW pump Nos. A, B, and C, stop-check valve Nos. *-10-119, *-10-219, and *-10-319, are being replaced by 3-inch tilting-disk check valve Nos. *-10-375, *-10-376, and *-10-377. Installation of these valves will be completed on both Unit Nos. 3 & 4 by the end of the current Unit No. 3 refueling outage.

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4) Page 39

The existing 4-inch, steam supply to turbine-driven AFW pump Nos. A, B, and C, stop-check valve Nos. *-10-120, *-10-220, and *-10-320 are being replaced by 4-inch tilting-disc check valve Nos. *-10-381, *-10-382, and *-10-383. Installation of these valves will be completed on both Unit Nos. 3 & 4 by the end of the current Unit No. 3 refueling outage.

5) Page 40

The existing main steam isolation valve (MSIV) Nos. POV-*-2604, POV-*-2605, and POV-*-2606, are check valves installed in the reverse direction. Accordingly, these valves are classified as CODE category C (IWV-2200) valves. In Table I, the failure mode of these Code category C valves was listed, in error, as fail-closed (FC) because the MSIV actuator-spring was assumed to be a fail-closed spring. We have now determined the actuator-spring is a partial-travel spring which only assists MSIV closure.

If there are any questions, please call us.

Very truly yours,

H. N. Paduano

for C. O. Woody
Group Vice President
Nuclear Energy

COW/TCG/gp

Attachment
cc: Dr. J. Nelson Grace, Regional Administrator, Region II, USNRC
Mr. D. R. Brewer, USNRC Senior Resident Inspector, Turkey Point Plant
Mr. D. G. McDonald, PAD2, USNRC

FLORIDA POWER & LIGHT COMPANY
TABLE I - TESTS TO CODE OR RELIEF REQUEST

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER	ISI TESTS	RRB NO.	VALVE COORD	REMARKS
MOV-*-866A	2	GLOBE	MO	1	B	A	LC	FAI	YES	2 2 1	EF-2 EST-3 EF-5	6	D-15	
MOV-*-866B	2	GLOBE	MO	1	B	A	LC	FAI	YES	2 2 1	EF-2 EST-3 EF-5	6	D-15	
*-876A	8	CHECK	S/A	1	C	A	NC	--	NO	2	EF-2	7	B-15	
*-876B	8	CHECK	S/A	1	C	A	NC	--	NO	2	EF-2	7	A-13	
*-876C	8	CHECK	S/A	1	C	A	NC	--	NO	2	EF-2	7	A-11	
*-876D	8	CHECK	S/A	1	C	A	NC	--	NO	2	EF-2	8	A-13	
*-876E	8	CHECK	S/A	1	C	A	NC	--	NO	2	EF-2	8	A-11	
*-945E	1	S/CHK	S/A	2	AC	A	NO	--	NO	2 1	EF-2 SLT-1	5	C-9	
MOV-*-856A	2	GLOBE	MO	2	B	A	NO	FAI	YES	1 1 1	EF-3 EST-3 EF-5	21	D-3	
MOV-*-856B	2	GLOBE	MO	2	B	A	NO	FAI	YES	1 1 1	EF-3 EST-3 EF-5	21	D-3	

SYSTEM TITLE: SAFETY INJECTION SYS (SIS) PROGRAM TITLE: VALVE TEST PROGRAM DWG. NO.: 5610-M-470-5

RELIEF REQUEST BASIS

SYSTEM: Safety Injection

21. Valve: MOV-*-856A and MOV-*-856B
    Category: B
    Class: 2

    Function: Isolation valves for the High-Head Safety Injection System Test line return to the Refueling Water Storage Tank (RWST).

    Test Requirement: IWV-3410

    Basis for Relief: Failure of either of these valves in the non-open position, by testing during either dual unit operation or single unit operation, would result in the isolation of the minimum recirculation flow path flow path from at least two High-Head Safety Injection pumps. The isolation of the minimum recirculation flow path, concurrent with a Safety Injection Signal and high pressure in the reactor coolant system, would result in damage to the associated High-Head Safety Injection pumps.

    Alternate Testing: These valves will be tested during refueling shutdowns of the associated unit when the High-Head Safety Injection pumps are aligned to the RWST of the operating unit.

FLORIDA POWER & LIGHT COMPANY
TABLE I - TESTS TO CODE OR RELIEF REQUEST

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER	ISI TESTS	VALVE COORD	REMARKS
MOV-*-1403	4	GLOBE	MO	2	B	A	NC	FAI	YES	3 3 1	EF-1 EST-3 EF-5	C-12	
MOV-*-1404	4	GLOBE	MO	2	B	A	NC	FAI	YES	3 3 1	EF-1 EST-3 EF-5	D-12	
MOV-*-1405	4	GLOBE	MO	2	B	A	NC	FAI	YES	3 3 1	EF-1 EST-3 EF-5	D-12	
*-10-083	4	CHECK	S/A	3	C	A	NC	---	NO	3	EF-1	E-12	
*-10-085	4	CHECK	S/A	3	C	A	NC	--	NO	3	EF-4	E-12	TRAIN 2
*-10-087	4	CHECK	S/A	3	C	A	NC	--	NO	3	EF-1	F-12	
*-10-375	3	CHECK	S/A	3	C	A	NC	--	NO	3	EF-1	C-12	
*-10-376	3	CHECK	S/A	3	C	A	NC	--	NO	3	EF-1	D-12	
*-10-377	3	CHECK	S/A	3	C	A	NC	--	NO	3	EF-1	D-12	
*-10-381	4	CHECK	S/A	3	C	A	NC	--	NO	3	EF-1	C-12	
*-10-382	4	CHECK	S/A	3	C	A	NC	--	NO	3	EF-1	D-12	
*-10-383	4	CHECK	S/A	3	C	A	NC	--	NO	3	EF-1	D-12	
AFSS-*-005	4	CHECK	S/A	3	C	A	NC	--	NO	3	EF-1	C-12	
AFSS-*-003B	4	CHECK	S/A	3	C	A	NC	--	NO	3	EF-1	D-12	
AFSS-*-003A	4	CHECK	S/A	3	C	A	NC	--	NO	3	EF-4	D-12	TRAIN 2
AFSS-*-003C	4	CHECK	S/A	3	C	A	NC	--	NO	3	EF-4	D-12	TRAIN 2

SYSTEM TITLE: STEAM SYSTEM PROGRAM TITLE: VALVE TEST PROGRAM DWG. NO.: 5610-M-1

FLORIDA POWER & LIGHT COMPANY
TABLE I - TESTS TO CODE OR RELIEF REQUEST

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER	ISI TESTS	RRB NO.	VALVE COORD	REMARKS
POV-*-2604	26	POWER ASST'D CHECK	A/O	2	C	A	NO	----	YES	2 2 1	EF-2 EST-1 EF-5	1	B-9	
POV-*-2605	26	POWER ASS'TD CHECK	A/O	2	C	A	NO	----	YES	2 2 1	EF-2 EST-1 EF-5	1	B-10	
POV-*-2606	26	POWER ASST'D CHECK	A/O	2	C	A	NO	----	YES	2 2 1	EF-2 EST-1 EF-5	1	B-11	
*-10-004	26	S/CHK	S/A	2	C	A	NO	----	NO	***	***	2	B-9	
*-10-005	26	S/CHK	S/A	2	C	A	NO	----	NO	***	***	2	B-10	
*-10-006	26	S/CHK	S/A	2	C	A	NO	----	NO	***	***	2	B-11	

SYSTEM TITLE: STEAM SYSTEM PROGRAM TITLE: VALVE TEST PROGRAM DWG. NO.: 5610-M-1