

ATTACHMENT B

ST. LUCIE UNIT 1

SECTION I Valve Test Program

SECTION II Pump Test Program

SEP 16 1977

ABSTRACT

The planned inservice inspection and testing programs were developed employing the R. G. 1.26, Revision 2, criteria for quality group classifications and standards (Quality Group A is the same as ASME Class 1, etc.).

Section I. Valve Test Program Outline

The valve test program shall be conducted in accordance with Subsection IWV of Section XI of the 1974 Edition of the ASME Boiler and Pressure Vessel Code thru Summer 1975 Addenda, except for specific relief requested in accordance with 10 CFR 50.55a (g) (5) (iii) which is identified in Sections I.G. and I. H. The period for this valve test program starts July 1, 1977 and ends March 1, 1979.

Section II. Pump Test Program Outline

The pump test program shall be conducted in accordance with Subsection IWP of Section XI of the 1974 Edition of the ASME Boiler and Pressure Vessel Code thru Summer 1975 Addenda, except for specific relief requested in accordance with 10 CFR 50.55a (g) (5) (iii) which is identified in Section II.B. The period for the pump test program starts July 1, 1977 and ends March 1, 1979.

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II. Pump Test Program

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I.A. LIST OF DRAWINGS (CONT)

C-E DRAWINGS

E-19367-210-110 Rev 13	Reactor Coolant System
E-19367-210-111 Rev 08	Reactor Coolant Pump
E-19367-210-120 Rev 11	Chemical and Volume Control System
E-19367-210-121 Rev 11	Chemical and Volume Control System
E-19367-210-130 Rev 12	Safety Injection System
E-19367-210-131 Rev 12	Safety Injection System
E-19367-210-140 Rev 11	Fuel Pool System
E-19367-210-150 Rev 11	Sampling System
E-19367-210-160 Rev 11	Waste Management System Sheet 1
E-19367-210-163 Rev 11	Waste Management System Sheet 4

EEASCO DRAWINGS

8770-G-079 Rev 13	Main, Extraction, Auxiliary Steam and Air Evacuation Systems
8770-G-080 Rev 11	Feedwater, Condensate & Air Evacuation Systems
8770-G-082 Rev 10	Circulating and Intake Cooling Water System
8770-G-083 Rev 10	Component Cooling System
8770-G-084 Rev 10	Firewater, Domestic & Make-Up Systems
8770-G-085 Rev 9	Service & Instrument Air Systems Sheet 1 of 2
8770-G-085 Rev 4	Instrument Air System Sheet 2 of 2
8770-G-086 Rev 9	Miscellaneous Systems Sheet 1
8770-G-088 Rev 9	Containment Spray and Refueling Water Systems
8770-G-092 Rev 3	Miscellaneous Sampling Systems
8770-G-093 Rev 3	Miscellaneous Systems Sheet 3
8770-G-878 Rev 11	HVAC - Control Diagrams Sheet 1
3509-G-115 Rev 6	Steam Generator Blowdown Sheet 1 of 2
8770-G-862 Rev 10	HVAC Airflow Diagram

I.B. LIST OF VALVE CATEGORIES

- CATEGORY¹ A - Valves for which seat leakage is limited to a specific maximum amount in the closed position for fulfillment of their function.
- CATEGORY B - Valves for which seat leakage in the closed position is inconsequential for fulfillment of their function.
- CATEGORY¹ C - Valves which are self-actuating in response to some system characteristic, such as pressure (relief valves) or flow direction (check valves).
- CATEGORY D - Valves which are actuated by an energy source capable of only one operation, such as rupture disks or explosive actuated valves.
- CATEGORY¹ E - Valves which are normally locked (or sealed) open or locked (or sealed) closed to fulfill their function.

FOOTNOTE:

¹Combination of categories, such as categories AC are to be used when more than one distinguishing category characteristic is applicable. In such cases, all requirements of each of the individual categories are applicable, although duplication or repetition of common testing requirements is not necessary.

I.C. LIST OF DEFINITIONS:

- 1) Essential valves, Class 1, 2 and 3, as applicable, in systems that are relied upon to safely shut down the reactor, or mitigate the consequences of an accident.
- 2) Non-essential valves, Class 1, 2 and 3, as applicable, in systems that are relied upon to safely shut down the reactor, or mitigate the consequences of an accident.
- 3) Valve is protected by double valve (or more) isolation.
- 4) ACTIVE VALVES - are required to change position either by opening, closing, or opening and reclosing to either safely shut down the reactor or mitigate the consequences of an accident.
- 5) PASSIVE VALVES - are not required to change position to either safely shut down the reactor or mitigate the consequences of an accident.
- 6) Test procedures for valves in various categories, as specified below:

<u>CATEGORY</u>	<u>VALVE FUNCTION</u>	<u>CODE LEAK TEST</u>	<u>CODE EXER. TEST</u>	<u>CODE POSIT. VERIF.</u>
A	ACTIVE	IWV-3420	IWV-3410	NONE
A	PASSIVE	IWV-3420	NONE	NONE
B	ACTIVE	NONE	IWV-3410	NONE
C (S/R)	ACTIVE	NONE	IWV-3510	NONE
C (CHK)	ACTIVE	NONE	IWV-3420	NONE
E	PASSIVE	NONE	NONE	IWV-3700

- 7) EXERCISING - Exercising is the demonstration based on direct or indirect visual or other positive indication that the moving parts of a valve function satisfactorily.
 - a) FULL STROKE - is the valve stem or disc movement to the position required to fulfill its function.

I.D. LIST OF VALVE TABLE SYMBOLS

VALVE NUMBER:

IDENTIFICATION

SIZE:

INCHES

TYPE:

GATE - GLOBE - CHECK - ANGLE - 3-WAY

SAFE

- SAFETY AND RELIEF

REL

B/CHK

- BALL CHECK

FLAP

- FLAPPER VALVE

S/CHK

- STOP CHECK

SP/CHK

- SPRING CHECK

S/A

- SELF ACTUATED PRESSURE VALVE

REG

- INTEGRAL FLOW REGULATOR &
FLOW INDICATION

NEDL

- NEEDLE

BUTFY

- BUTTERFLY

F/CHK

- FLOAT CHECK

EF/CHK

- EXCESS FLOW CHECK

L/CHK

- LIFT CHECK

DIAPH

- DIAPHRAGM

ACTUATOR:

DO

- DIAPHRAGM OPERATOR

PO

- PISTON OPERATOR

MO

- ELECTRIC MOTOR OPERATOR

SO

- SOLENOID OPERATOR

CODE CLASS:

1-2-3

CODE CATEGORY:

A - B - C - E (OR COMBINATION OF)

ACTIVE/PASSIVE:

A - P

NORMAL POSITION:

NO

- NORMALLY OPEN

NC

- NORMALLY CLOSED

LO

- LOCKED OPEN

LC

- LOCKED CLOSED

FAILURE MODE:

FO

- FAIL OPEN

FC

- FAIL CLOSED

FAI

- FAIL AS IS

REMOTE POSITION
INDICATION:

YES - NO

TEST PERIOD:

1. REFUELING SHUTDOWN - A SCHEDULED SHUTDOWN (i.e., THE REACTOR HEAD OFF) WITH REACTOR MAINTAINED IN MODE 6 FOR AT LEAST 72 HOURS.
2. COLD SHUTDOWN - A SCHEDULED SHUTDOWN WITH REACTOR MAINTAINED IN MODE 5 FOR AT LEAST 168 HOURS.
3. OPERATION - 3 MONTHS OR LESS (CODE).
4. TWO YEARS - CODE.

INSERVICE INSPECTION:
(ISI) TESTS

SEE APPROPRIATE LIST OF CATEGORY
LEGEND

REMARKS:

SEE SECTION I.G. LEGEND FOR TABLE II

I.E. LIST OF CATEGORY (A-B-C-E): LEGEND FOR TABLE I - TEST
PARAMETERS TO (CODE), EXCEPT AS OTHERWISE NOTED (FPL).

- CATEGORY A-B VALVES -

- | | |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EF-1 | Exercise valve (full stroke) for operability every 3 months (Code). |
| EF-2 | Exercise valve (full stroke) for operability during cold shutdown (Code). |
| EF-3 | Exercise valve (full stroke) for operability during operation (Code). |
| EF-4 | Exercise valve (full stroke) for operability prior to return to service (Code). |
| EF-5 | Exercise valve (with Remote Position Indicator and inaccessible for direct observation) for verification of valve position during refueling but less than every 2 years (Code). |
| EF-6 | Valves that are exercised to plant procedure (FPL). |
| EF-7 | Exercise valve (with Fail-Safe Actuators) to observe failure mode every 3 months (Code). |
| EF-8 | Exercise valve (with Fail-Safe Actuators) to observe failure mode during cold shutdown (Code). |
| EST-1 | Exercise valve - power operated (full stroke) and measure time (Code) (5 seconds - Max.) (FPL). |
| EST-2 | Exercise valve - power operated (full stroke) and measure time (Code) (10 seconds - Max.) (FPL). |
| EST-3 | Exercise valve - power operated (full stroke) and measure time (Code) (60 seconds - Max.) (FPL). |
| EST-4 | Exercise valve - power operated (full stroke) and measure time (Code) (120 seconds - Max.) (FPL). |
| SLT-1 | Seat leakage test valve during refueling but less than every 2 years (Code). |

I.E. LIST OF CATEGORY (A-B-C-E): LEGEND FOR TABLE I (CONT)

SLT-3 Seat leakage test valve to plant procedure (FPL).

-CATEGORY "C" VALVES-

EF-1 Exercise valve (full stroke) for operability every 3 months (Code).

EF-2 Exercise valve (full stroke) for operability during cold shutdown (Code).

EF-3 Exercise valve (full stroke) for operability every 9 months (Code).

NOTE:

- 1) Normally open valve - verification of seating upon cessation or reversal of flow.
- 2) Normally closed valve - verification of opening upon cessation of pressure differential or initiation of flow or by mechanical force.

TF-1 Safety and relief valve tests (Set Point) to ASME Table IWV-3510-1 (Code).

-CATEGORY "E" VALVES-

OC-1 Operational check of valve (verification of position) before and after operation (Code).

NOTE:

- 1) ISI Test - Column: Unique code letters denote test requirement.
- 2) Test Period - Column: Denotes test frequency (Ref. I.D.) Test Period.
- 3) Test Period - Column: Where test frequency is denoted as 1 or 2, tests may be performed during either period dependent upon plant conditions.

I.F. LIST OF CATEGORY (A) VALVES: Table I.A seat leakage test parameters to FPL requirements.

Seat leakage rates based on required gas test Δ pressure of 39.6 psi (+2.4 psi -0 psi).

I.G. LIST OF CATEGORY (A-B-C): LEGEND FOR TABLE II -
EXCEPTIONS TO CODE REQUIREMENTS DETERMINED TO BE
IMPRACTICAL....PARAGRAPH 50.55a(g)(5)(iii).

- E-1 The exercising of valves whose failure in a non-conservative position during the cycling test would cause a loss of system function.
- E-2 The exercising of valves whose failure to close during a cycling test would result in a loss of containment integrity.
- E-3 The exercising of valves which could subject a system to pressures in excess of their design pressures.
- E-4 Valves which cannot be seat leak tested due to their design and their physical location, arrangement, alignment, and orientation in the system.
- E-5 Valves which cannot be exercised (verification of full stroke) due to their design and their physical location, arrangement, alignment, and orientation in the system.
- E-6 Valves in systems which cannot be tested (exercised) within the required test period.
- E-7 Valves in systems which cannot be tested (seat-leakage) within the required test period.
- E-10 Valves whose access may be restricted due to a high radiation area coupled with its physical location and arrangement in the system. No tests shall be conducted on valves where the radiation level is 1000 MR/HR or greater.
- E-11 Valves (pressure regulating) used for operating convenience for system control.

I.G. LIST OF CATEGORY (A-B-C): LEGEND FOR TABLE II (CONT)

NOTE:

- 1) ISI Test/Test Period - Column:
Dash(s) in column denotes exception(s).
- 2) Test Period - Column:
Where test frequency is denoted as 1 or 2,
tests may be performed during either period
dependent upon plant conditions.
- 3) Remarks - Column:
 - a) The absence of unique code letter(s)
adjacent to the ISI Tests column in column
X denotes test(s) to be conducted to code.
 - b) Column X - Denotes exception(s) taken
to tests.
 - c) Column Y - Denotes reason and/or justifi-
cation for exception(s) taken.
 - d) Column Z - Denotes tests to be conducted,
where practical and determined to be es-
sential to fulfill a safety-related func-
tion, in lieu of exception(s) taken.

GENERAL NOTE:

- 1) All valves in Table II are either
 - a) Tested partially
 - b) Taken exception to partially or totally.

I.I. LIST OF EXCLUSIONS: TABLE III - EXEMPTIONS TO CODE (IWV-1300).

- Vent Valves
- Drain Valves
- Instrument Valves
- Test Valves
- Maintenance Valves

This table of valves is not included in this report. They
are identified and included in the plant records.

II. PUMP TEST PROGRAM

II.A. Table IV - Test Parameters

This subsection outlines the pumps which are provided with an emergency power source.

II.B. Exceptions

Pumps whose access may be restricted due to a high radiation area coupled with its physical location and arrangement in the system. No tests shall be conducted on pumps where this radiation level is 1000 MR/HR or greater.

II.C. Test Interval

In accordance with sub-section IWP 3400, the monthly test interval as defined in this pump test program is only inclusive of operational modes 1, 2, 3 or 4 (as appropriate) in Table 1.1 of the St. Lucie Technical Specifications.

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
No Table I Valves												
SYSTEM TITLE				PROGRAM TITLE				TABLE I TESTS TO CODE				
Reactor Coolant Pump				Valve Test Program SEP 16 1977								
CHART TITLE												
E-19367-210-111 Rev 8												

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
V2431	2	CHECK	SA	1	C	A	NC	---	NO	2	EF-2	
V2345	2	REL	SA	2	C	A	NC	---	NO	1	TF-1	
V2354	3	REL	SA	3	C	A	NC	---	NO	1	TF-1	
V2434	2	GATE	MAN	1	E	P	LO	FAI	NO	1	OC-1	
V2521	1	GLOBE	DO	2	B	A	NO	FC	YES	3 3	EF-7 EST-3	
V2520	3	3 WAY	DO	3	B	A	NO	FAILS TO VCT	YES	3 2 2	EF-1 EF-8 EST-2	
ICV-2110Q	2	ANGLE	PO	2	B	A	NO	FC	YES	2 2	EF-8 EST-3	
V2435	2	SP/CHK	S/A	1	C	A	NC	---	NO	2	EF-2	
SE-02-01	2	GATE	SO	1	B	A	NO	FO	YES	2 2	EF-8 EST-3	
SE-02-02	2	GATE	SO	1	B	A	NO	FO	YES	2 2	EF-8 EST-3	
SE-02-04	2	GATE	SO	1	B	A	NC	FC	YES	2 2	EF-8 EST-3	
SE-02-03	2	GATE	SO	1	B	A	NC	FC	YES	2 2	EF-8 EST-3	
LCV-2110P	2	ANGLE	PO	2	B	A	NO	FC	YES	2 2	EF-8 EST-3	

SYSTEM
TITLE

CHEMICAL & VOLUME CONTROL SYSTEM

PROGRAM
TITLE

VALVE TEST PROGRAM

SEP 16 1977

CHART
TITLE

E-19367-210-120 Rev 11

TABLE I
TESTS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
V2515	2	GLOBE	DO	1	A	A	NO	FC	YES	2 2 1	EF-8 EST-1 SLT-1	
V2516	2	GLOBE	DO	1	A	A	NO	FC	YES	2 2 1	EF-8 EST-1 SLT-1	

SYSTEM
TITLE CHEMICAL & VOLUME CONTROL SYSTEMPROGRAM
TITLE VALVE TEST PROGRAM

SEP 16 1977

CHART
TITLE F-19367-210-120 REV 11 (Sheet 2)TABLE I
TESTS TO CODE

FLORIDA POWER & LIGHT COMPANY												
VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS.	REMARKS
V2501	4	GATE	MO	2	B	A	NO	FAI	YES	2 2	EF-2 EST-3	
V2525	4	GATE	MO	2	B	A	NC	FAI	YES	3 3	EF-1 EST-3	
V2504	3	GATE	MO	3	B	A	NC	FAI	YES	2 2	EF-2 EST-3	
V2514	3	GATE	MO	2	B	A	NC	FAI	YES	2 2	EF-2 EST-3	
V2174	1	GLOBE	MAN	2	B	A	NC	FAI	NO	2	EF-2	
FCV-2161	1	GLOBE	DO	2	B	A	NC	FC	YES	3 3	EF-7 EST-3	
V2511	1	GLOBE	DO	2	B	A	NO	FC	YES	3 3	EF-7 EST-3	
V2508	3	GATE	MO	2	B	A	NC	FAI	YES	3 3	EF-1 EST-3	
V2509	3	GATE	MO	2	B	A	NC	FAI	YES	3 3	EF-1 EST-3	
V2510	1	GLOBE	DO	2	B	A	NO	FC	YES	3 3	EF-7 EST-3	
V2112	1	CHECK	S/A	2	C	A	NC	---	NO	3	EF-1	
V2188	3	CHECK	S/A	2	C	A	NC	---	NO	3	EF-1	

CHART
TITLE E-19367-210-121 Rev 11 (Sheet 1)

FLORIDA POWER & LIGHT COMPANY												
VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS.	REMARKS
V2199	1½	REL	S/A	2	C	A	NC	--	NO	1	TF-1	
V2115	4	REL	S/A	2	C	A	NC	--	NO	1	TF-1	
V2308	1/2	S/CHK	S/A	2	C	A	NC	--	NO	2	EF-2	
V2191	3	CHECK	S/A	2	C	A	NC	--	NO	2	EF-2	
V2444	3	CHECK.	S/A	2	C	A	NC	--	NO	3	EF-1	
V2443	3	CHECK	S/A	2	C	A	NC	--	NO	3	EF-1	
V2324	1½	REL	S/A	2	C	A	NC	--	NO	1	TF-1	
V2325	2	REL	S/A	2	C	A	NC	--	NO	1	TF-1	
V2326	2	REL	S/A	2	C	A	NC	--	NO	1	TF-1	
V2321	1/2	REL	S/A	2	C	A	NC	--	NO	1	TF-1	
V2318	1/2	REL	S/A	2	C	A	NC	--	NO	1	TF-1	
V2315	1/2	REL	S/A	2	C	A	NC	--	NO	1	TF-1	
V2436	1/2	REL	S/A	2	C	A	NC	--	NO	1	TF-1	
V2426	1/2	REL	S/A	2	C	A	NC	--	NO	1	TF-1	
V2157	1/2	REL	S/A	2	C	A	NC	--	NO	1	TF-1	
V2150	1/2	REL	S/A	2	C	A	NC	--	NO	1	TF-1	
V2149	1/2	REL	S/A	2	C	A	NC	--	NO	1	TF-1	
SYSTEM TITLE				CHEMICAL AND VOLUME CONTROL SYST				PROGRAM TITLE		VALVE TEST PROGRAM		SEP 16 1977
CHART TITLE				E-19367-210-121 Rev 11 (Sheet 2)								
												TABLE I TESTS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS.	REMARKS
V3106	10	CHECK	S/A	2	C	A	NC	--	NO	3	EF-1	
V3107	10	CHECK	S/A	2	C	A	NC	--	NO	3	EF-1	
V3104	2	CHECK	S/A	2	C	A	NC	--	NO	3	EF-1	
V3105	2	CHECK	S/A	2	C	A	NC	--	NO	3	EF-1	
V3439	1/2	REL	S/A	2	C	A	NC	--	NO	1	TF-1	
V-SR-07-1A	3/4	REL	S/A	2	C	A	NC	--	NO	1	TF-1	
V-SR-07-1B	3/4	REL	S/A	2	C	A	NC	--	NO	1	TF-1	
V3430	1/2	REL	S/A	2	C	A	NC	--	NO	1	TF-1	
V3431	1/2	REL	S/A	2	C	A	NC	--	NO	1	TF-1	
V3407	1/2	REL	S/A	2	C	A	NC	--	NO	1	TF-1	
V3466	2	REL	S/A	2	C	A	NC	--	NO	1	TF-1	
V3656	6	GATE	MO	2	E	P	LO	FAI	YES	1	OC-1	
V3654	6	GATE	MO	2	E	P	LO	FAI	YES	1	OC-1	
V3653	4	GATE	MO	2	E	P	LO	FAI	YES	1	OC-1	
V3655	4	GATE	MO	2	E	P	LC	FAI	YES	1	OC-1	
V3427	3	S/CHK	MAN	2	E	P	LO	FAI	NO	1	OC-1	
V3405	3	S/CHK	MAN	2	E	P	LO	FAI	NO	1	OC-1	

SYSTEM TITLE SAFETY INJECTION SYSTEM

PROGRAM TITLE

VALVE TEST PROGRAM

SEP 16 1977

CHART TITLE E-19367-210-130 Rev 12 (Sheet 1)

TABLE I
TESTS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
V3463	2	GATE	MAN	2	A/E	P	LC	FAI	NO	1 1	SLT-1 OC-1	
I-V07009	2	GATE	MAN	2	A/E	P	LC	FAI	NO	1 1	SLT-1 OC-1	
V3662	4	GATE	MO	2	B	A	NC	FAI	YES	3 3	EF-1 EST-*	* = 20 sec.
V3663	4	GATE	MO	2	B	A	NC	FAI	YES	3 3	EF-1 EST-*	* = 20 sec.
V3660	3	GATE	MO	2	E	P	LO	FAI	YES	1	OC-1	
V3659	3	GATE	MO	2	E	P	LO	FAI	YES	1	OC-1	
V3417	1	REL	S/A	2	C	A	NC	NA	NO	1	TF-1	
V3412	1/2	REL	S/A	2	C	A	NC	NA	NO	1	TF-1	
V3401	6	CHECK	S/A	2	C	A	NC	--	NO	3	EF-1	
V3410	8	CHECK	S/A	2	C	A	NC	--	NO	3	EF-1	
V07000	14	CHECK	S/A	2	C	A	NC	--	NO	3	EF-1	
V07001	14	CHECK	S/A	2	C	A	NC	--	NO	3	EF-1	
V3101	2	CHECK	S/A	2	C	A	NC	--	NO	3	EF-1	
V3102	2	CHECK	S/A	2	C	A	NC	--	NO	3	EF-1	
V3103	2	CHECK	S/A	2	C	A	NC	--	NO	3	EF-1	

SYSTEM
TITLE

SAFETY INJECTION SYSTEM

PROGRAM
TITLE

VALVE TEST PROGRAM

SEP 16 1977

TABLE I
TESTS TO CODECHART
TITLE

E-19367-210-130 Rev 12 (Sheet 2)

FLORIDA POWER & LIGHT COMPANY

FLORIDA POWER & LIGHT COMPANY												
VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS.	REMARKS
V3414	3	S/CHK	MAN	2	E	P	LO	FAI	NO	1	OC-1	
V3470	6	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	
V3402	6	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	
V3411	6	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	
V3432	14	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	
V3444	14	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	
V3206	10	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	
V3207	10	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	
V3658	12	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	
I-V07008	10	GLOBE	MAN	2	E	P	LO	FAI	NO	1	OC-1	
FCV-3306	10	GLOBE	PO	2	E	P	LO	FO	YES	1	OC-1	
HCV-3657	12	GLOBE	DO	2	E	P	LC	FC	YES	1	OC-1	
V3456	10	GATE	MAN	2	E	P	LC	FAI	NO	1	OC-1	
V3457	10	GATE	MAN	2	E	P	LC	FAI	NO	1	OC-1	
V3460	6	GATE	MAN	2	E	P	LC	FAI	NO	1	OC-1	
V3459	6	GATE	MAN	3	E	P	LC	FAI	NO	1	OC-1	
V3452	10	GATE	MAN	2	E	P	LC	FAI	NO	1	OC-1	
V3453	10	GATE	MAN	2	E	P	LC	FAI	NO	1	OC-1	
SYSTEM TITLE SAFETY INJECTION SYSTEM				PROGRAM TITLE VALVE TEST PROGRAM				SEP 16 1977				TABLE I TESTS TO CODE
CHART TITLE E-19367-210-130 Rev 12 (Sheet 3)												

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
V3247	12	CHECK	S/A	1	C	A	NC	--	NO	2	EF-2	
V3211	1	REL	S/A	2	C	A	NC	--	NO	1	TF-1	
V3217	12	CHECK	S/A	1	C	A	NC	--	NO	2	EF-2	
V3114	6	CHECK	S/A	1	C	A	NC	--	NO	2	EF-2	
V3221	1	REL	S/A	2	C	A	NC	--	NO	1	TF-1	
V3124	6	CHECK	S/A	1	C	A	NC	--	NO	2	EF-2	
V3227	12	CHECK	S/A	1	C	A	NC	--	NO	2	EF-2	
V3134	6	CHECK	S/A	1	C	A	NC	--	NO	2	EF-2	
V3241	1	REL	S/A	2	C	A	NC	--	NO	1	TF-1	
V3144	6	CHECK	S/A	1	C	A	NC	--	NO	2	EF-2	
V3247	12	CHECK	S/A	1	C	A	NC	--	NO	2	EF-2	
V3231	1	REL	S/A	2	C	A	NC	--	NO	1	TF-1	
V3614	12	GATE	MO	1	E	P	LO	FAI	YES	1	OC-1	
V3624	12	GATE	MO	1	E	P	LO	FAI	YES	1	OC-1	
V3644	12	GATE	MO	1	E	P	LO	FAI	YES	1	OC-1	
V3634	12	GATE	MO	1	E	P	LO	FAI	YES	1	OC-1	
V3652	10	GATE	MO	1	E	P	LC	FAI	YES	1	OC-1	

SYSTEM
TITLE

SAFETY INJECTION SYSTEM

PROGRAM
TITLE

VALVE TEST PROGRAM

SEP 16 1977

CHART
TITLE

E-19367-210-131 Rev 12 (Sheet 1)

TABLE I
TESTS TO CODE

FLORIDA POWER & LIGHT COMPANY

FLORIDA POWER & LIGHT COMPANY												
VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
HCV-3618	1	GLOBE	DO	1	B	A	NC	FC	YES	2 2	EST-2 EF-8	
HCV-3611	1	GLOBE	DO	2	B	A	NC	FC	YES	2 2	EST-2 EF-8	
V3612	1/2	GLOBE	DO	2	B	A	NC	FC	YES	2 2	EST-2 EF-8	
V3621	1	GLOBE	DO	2	B	A	NC	FC	YES	2 2	EST-2 EF-8	
V3622	1/2	GLOBE	DO	2	B	A	NC	FC	YES	2 2	EST-2 EF-8	
HCV-3628	1	GLOBE	DO	1	B	A	NC	FC	YES	2 2	EST-2 EF-8	
V3642	1/2	GLOBE	DO	2	B	A	NC	FC	YES	2 2	EST-2 EF-8	
V3641	1	GLOBE	DO	2	B	A	NC	FC	YES	2 2	EST-2 EF-8	
SYSTEM TITLE SAFETY INJECTION SYSTEM				PROGRAM TITLE VALVE TEST PROGRAM				SEP 16 1977				TABLE I TESTS TO CODE
CHART TITLE E-19367-210-131 Rev 12 (Sheet 2)												

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU:	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS:	REMARKS
V3631	1	GLOBE	DO	2	B	A	NC	FC	YES	2 2	EST-2 EF-8	
HCV-3638	1	GLOBE	DO	3	B	A	NC	FC	NO	2 2	EST-2 EF-8	
V3632	1/2	GLOBE	DO	2	B	A	NC	FC	YES	2 2	EST-2 EF-8	
V3469	1	REL	S/A	1	C	A	NC	--	NO	1	TF-1	
V3482	1	REL	S/A	1	C	A	NC	--	NO	1	TF-1	
V3468	1	REL	S/A	2	C	A	NC	--	NO	1	TF-1	
V3483	1	REL	S/A	2	C	A	NC	--	NO	1	TF-1	
HCV3648	1	GLOBE	DO	3	B	A	NC	FC	YES	2 2	EST-2 EF-8	
V3484	2	GLOBE	MAN	2	B	A	NC	FAI	NO	2	EF-2	
V3400	2	GLOBE	MAN	2	B	A	NC	FAI	NO	2	EF-2	

SYSTEM
TITLE SAFETY INJECTION SYSTEMPROGRAM
TITLE VALVE TEST PROGRAM

SEP 16 1977

TABLE I
TESTS TO CODECHART
TITLE E-19367-210-131 Rev 12 (Sheet 3)

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
HCV-3617	2	GLOBE	MO	1	B	A	NC	FAI	YES	2 2	EF-2 EST-2	
HCV-3615	6	GLOBE	MO	1	B	A	NC	FAI	YES	2 2	EF-2 EST-*	* = 15 sec.
HCV-3616	2	GLOBE	MO	1	B	A	NC	FAI	YES	2 2	EF-2 EST-2	
HCV-3625	6	GLOBE	MO	1	B	A	NC	FO	YES	2 2	EF-2 EST-*	* = 15 sec.
HCV-3626	2	GLOBE	MO	1	B	A	NC	FO	YES	2 2	EF-2 EST-2	
HCV-3627	2	GLOBE	MO	1	B	A	NC	FO	YES	2 2	EF-2 EST-2	
HCV-3635	6	GLOBE	MO	1	B	A	NC	FAI	YES	2 2	EF-2 EST-*	* = 15 sec.
HCV-3636	2	GLOBE	MO	1	B	A	NC	FAI	YES	2 2	EF-2 EST-2	
HCV-3637	2	GLOBE	MO	1	B	A	NC	FAI	YES	2 2	EF-2 EST-2	
HCV-3645	6	GLOBE	MO	1	B	A	NC	FAI	YES	2 2	EF-2 EST-*	* = 15 sec.

SYSTEM
TITLE SAFETY INJECTION SYSTEMPROGRAM
TITLE VALVE TEST PROGRAM

SEP 16 1977

CHART F-19367-210-131 REV 12 (Sheet 4)

TABLE I
TESTS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
HCV-3646	2	GLOBE	MO	1	B	A	NC	FAI	YES	2 2	EF-2 EST-2	
HCV-3647	2	GLOBE	MO	1	B	A	NC	FAI	YES	2 2	EF-2 EST-2	
V3651	10	GATE	MO	1	E	P	LC	FAI	YES	1	OC-1	
V3481	10	GATE	MO	1	E	P	LC	FAI	YES	1	OC-1	

SYSTEM
TITLE

SAFETY INJECTION SYSTEM

PROGRAM
TITLE

VALVE TEST PROGRAM

SEP 16 1977

TABLE I
TESTS TO CODECHART
NO.

F-19367-210-131 REV 12 (Sheet 5)

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS.	REMARKS
V4206	8	CHECK	S/A	3	C	A	NO	--	NO	3	EF-1	
V4207	8	CHECK	S/A	3	C	A	NO	--	NO	3	EF-1	
<div> <div>SYSTEM TITLE</div> <div>FUEL POOL SYSTEM</div> </div> <div> <div>PROGRAM TITLE</div> <div>VALVE TEST PROGRAM</div> </div> <div>SEP 16. 1977</div>												
<div>CHART TITLE</div> <div>E-19367-210-140 Rev 11</div>												TABLE I TESTS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
V5200	3/8	GLOBE	DO	2	A	A	NC	FC	YES	3 2 2 1	EF-1 EF-8 EST-1 SLT-1	
V5203	3/8	GLOBE	DO	2	A	A	NC	FC	YES	3 2 2 1	EF-1 EF-8 EST-1 SLT-1	
V5201	3/8	GLOBE	DO	2	A	A	NC	FC	YES	3 2 2 1	EF-1 EF-8 EST-1 SLT-1	
V5204	3/8	GLOBE	DO	2	A	A	NC	FC	YES	3 2 2 1	EF-1 EF-8 EST-1 SLT-1	
V5202	3/8	GLOBE	DO	2	A	A	NC	FC	YES	3 2 2 1	EF-1 EF-8 EST-1 SLT-1	
V5205	3/8	GLOBE	DO	2	A	A	NC	FC	YES	3 2 2 1	EF-1 EF-8 EST-1 SLT-1	

SYSTEM
TITLE SAMPLING SYSTEMPROGRAM
TITLE VALVE TEST PROGRAM

SEP 16 1977

TABLE I
TESTS TO CODECHART
TITLE E-19367-210-150 Rev 11

FLORIDA POWER & LIGHT COMPANY												
VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
V6302	3	DIAPH	DO	2	A	A	NO	FC	YES	3 2 2 1	EF-1 EF-8 EST-1 SLT-1	
V6301	3	DIAPH	DO	2	A	A	NO	FC	YES	3 2 2 1	EF-1 EF-8 EST-1 SLT-1	
V6300	1	DIAPH	DO	2	B	A	NC	FO	YES	2 2	EF-8 EST-1	
V1400	3/4	GLOBE	DO	2	B	A	NC	FC	YES	2 2	EF-8 EST-1	
V6350	3	GLOBE	MAN	2	E	P	LO	FAI	NO	1	OC-1	

SYSTEM
TITLE

WASTE MANAGEMENT SYSTEM

PROGRAM
TITLE

VALVE TEST PROGRAM

SEP 16 1977

TABLE I
TESTS TO CODE

CHART
TITLE

E-19367-210-160 REV 11 (SHEET 11)

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS.	REMARKS
V6579	1	DIAPH	MAN	3	E	P	LO	FAI	NO	1	OC-1	
V6589	1	DIAPH	MAN	3	E	P	LC	FAI	NO	1	OC-1	
V6597	1	DIAPH	MAN	3	E	P	LC	FAI	NO	1	OC-1	
V6580	1	DIAPH	MAN	3	E	P	LC	FAI	NO	1	OC-1	
V6590	1	DIAPH	MAN	3	E	P	LC	FAI	NO	1	OC-1	
V6598	1	DIAPH	MAN	3	E	P	LC	FAI	NO	1	OC-1	
V6588	1	DIAPH	MAN	3	E	P	LC	FAI	NO	1	OC-1	
V6596	1	DIAPH	MAN	3	E	P	LC	FAI	NO	1	OC-1	
V6599	1	DIAPH	MAN	3	E	P	LC	FAI	NO	1	OC-1	
V6584	1	DIAPH	MAN	3	E	P	LC	FAI	NO	1	OC-1	
V6594	1	DIAPH	MAN	3	E	P	LC	FAI	NO	1	OC-1	
V6703	1	DIAPH	MAN	3	E	P	LC	FAI	NO	1	OC-1	
V6000	1	GLOBE	MAN	2	B	A	NO	FAI	NO	2	EF-2	

SYSTEM
TITLE WASTE MANAGEMENT SYSTEMPROGRAM
TITLE VALVE TEST PROGRAM

SEP 16 1977

TABLE I
TESTS TO CODECHART
TITLE E-19367-210-163 Rev 11 (Sheet 1)

FLORIDA POWER & LIGHT COMPANY

FLORIDA POWER & LIGHT COMPANY												
VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS.	REMARKS
V6741	1	GLOBE	DO	2	A	A	NC	FC	YES	3 2 2 1	EF-1 EF-8 EST-1 SLT-1	
V6555	1	DIAPH	DO	2	A	A	NO	FC	YES	3 2 2 1	EF-1 EF-8 EST-1 SLT-1	
V6554	1	DIAPH	DO	2	A	A	NO	FC	YES	3 2 2 1	EF-1 EF-8 EST-1 SLT-1	
V6699	1	GLOBE	MAN	2	B	A	NO	FAI	NO	2	EF-2	
V-6565	2	DIAPH	DO	3	B	A	NC	FC	YES	3 3	EF-7 EST-3	
V6779	1	CHECK	SA	2	C	A	NC	--	NO	3	EF-1	
RV-6583	1	REL	S/A	3	C	A	NC	--	NO	1	TF-1	
RV-6593	1	REL	S/A	3	C	A	NC	--	NO	1	TF-1	
RV-6702	1	REL	S/A	3	C	A	NC	--	NO	1	TF-1	
V6742	2	DIAPH	MAN	3	E	P	LC	FAI	NO	1	OC-1	

SYSTEM
TITLE

WASTE MANAGEMENT SYSTEM

PROGRAM
TITLE

VALVE TEST PROGRAM

SEP 16 1977

TABLE I
TESTS TO CODE

CHART
TITLE

E-19367-210-163 Rev 11 (Sheet 2)

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
MV-08-14	3	GATE	MO	2	B	A	NC	FAI	YES	3 3	EF-1 EST-4	
MV-08-13	3	GATE	MO	2	B	A	NC	FAI	YES	3 3	EF-1 EST-4	
HCV-08-2A	6	ANGLE	DO	2	B	A	NC	FC	YES	2 2	EF-8 EST-3	
HCV-08-2B	6	ANGLE	DO	2	B	A	NC	FC	YES	2 2	EF-8 EST-3	
MV-08-3	4	GATE	MO	2	B	A	NC	FAI	NO	3 3	EF-1 EST-4	
SR-8201	6	SAFE	S/A	2	C	A	NC	--	NO	1	TF-1	
SR-8202	6	SAFE	S/A	2	C	A	NC	--	NO	1	TF-1	
SR-8203	6	SAFE	S/A	2	C	A	NC	--	NO	1	TF-1	
SR-8204	6	SAFE	S/A	2	C	A	NC	--	NO	1	TF-1	
SR-8209	6	SAFE	S/A	2	C	A	NC	--	NO	1	TF-1	
SR-8210	6	SAFE	S/A	2	C	A	NC	--	NO	1	TF-1	
SR-8211	6	SAFE	S/A	2	C	A	NC	--	NO	1	TF-1	
SR-8212	6	SAFE	S/A	2	C	A	NC	--	NO	1	TF-1	

SYSTEM
TITLE MAIN, EXT., AUX. STM & AIR EVAC SYSPROGRAM
TITLE VALVE TEST PROGRAM

SEP 16 1977

TABLE I
TESTS TO CODECHART
TITLZ 8770-G-079 Rev 13 (Sheet 1)

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS.	REMARKS
SR-8205	6	SAFE	S/A	2	C	A	NC	--	NO	1	TF-1	
SR-8206	6	SAFE	S/A	2	C	A	NC	--	NO	1	TF-1	
SR-8207	6	SAFE	S/A	2	C	A	NC	--	NO	1	TF-1	
SR-8208	6	SAFE	S/A	2	C	A	NC	--	NO	1	TF-1	
SR-8213	6	SAFE	S/A	2	C	A	NC	--	NO	1	TF-1	
SR-8214	6	SAFE	S/A	2	C	A	NC	--	NO	1	TF-1	
SR-8215	6	SAFE	S/A	2	C	A	NC	--	NO	1	TF-1	
SR-8216	6	SAFE	S/A	2	C	A	NC	--	NO	1	TF-1	
HCV-08-1A	34	CHECK	PO	2	B/C	A	NO	FC	YES	2 2	EF-8 EST-1	
HCV-08-1B	34	CHECK	PO	2	B/C	A	NO	FC	YES	2 2	EF-8 EST-1	

SYSTEM
TITLE MAIN, EXT., AUX SIM & AIR EVAC SYS.

PROGRAM
TITLE VALVE TEST PROGRAM

SEP 16 1977

TABLE I
TESTS TO CODE

CHART
TITLE 8770-G-079 Rev 13 (Sheet 2)

FLORIDA POWER & LIGHT COMPANY

FLORIDA POWER & LIGHT COMPANY												
VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
V9157	4	CHECK	S/A	2	C	A	NC	--	NO	3	EF-1	
V9139	6	CHECK	S/A	3	C	A	NC	--	NO	3	EF-1	
V9123	4	CHECK	S/A	3	C	A	NC	--	NO	3	EF-1	
V9107	4	CHECK	S/A	3	C	A	NC	--	NO	3	EF-1	
V9136	4	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	
V9158	4	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	
V9140	6	GATE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
V9124	4	GATE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
V9108	4	GATE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
V9102	2	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
V12508	8	GATE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
V12502	8	GATE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
V12498	6	GATE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
V9100	2	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
V9101	2	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
V12485	6	GLOBE	MAN	3	E	P	LC	FAI	NO	1	OC-1	
V9104	2	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
SYSTEM TITLE				FEEDWATER, COND. & AIR EVAC SYS.				PROGRAM TITLE		VALVE TEST PROGRAM		SEP 16 1977
CHART TITLE				8770-G-080 Rev 11 (Sheet 1)				TABLE I TESTS TO CODE				

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
MV-09-12	4	GATE	MO	2	B	A	NC	FAI	YES	2 2	EF-2 EST-4	

SYSTEM
TITLE FEEDWATER, COND. & AIR EVAC. SYS.

PROGRAM
TITLE VALVE TEST PROGRAM

SEP 16 1977

TABLE I
TESTS TO CODE

CHART
8770-G-080 REV.11 (Sheet 4)

FLORIDA POWER & LIGHT COMPANY												
VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
MV-21-3	24	BUTFY	MO	3	B	A	NO	FAI	YES	2 2	EF-2 EST-4	
MV-21-2	24	BUTFY	MO	3	B	A	NO	FAI	YES	2 2	EF-2 EST-4	
TCV-14-4A	30	BUTFY	PO	3	B	A	NO	FO	NO	2 2	EF-8 EST-4	
TCV-14-4B	30	BTFY	PO	3	B	A	NO	FO	NO	2 2	EF-8 EST-4	
MV-21-4	3	BUTFY	MO	3	B	A	NO	FAI	YES	2 2	EF-2 EST-4	
V21252	3	BUTFY	MAN	3	B	A	NC	FAI	NO	3	EF-1	
V21162	30	CHECK	S/A	3	C	A	NO	--	NO	3	EF-1	
V21205	30	CHECK	S/A	3	C	A	NO	--	NO	3	EF-1	
V21208	30	CHECK	S/A	3	C	A	NO	--	NO	3	EF-1	
SR21196	2½	REL	S/A	3	C	A	NC	--	NO	1	TF-1	
SR21243	2½	REL	S/A	3	C	A	NC	--	NO	1	TF-1	
V21327	3	CHECK	S/A	3	C	A	NC	--	NO	2	EF-2	
V21165	36	BUTFY	MAN	3	E	P	LO	FAI	NO	1	OC-1	

SYSTEM
TITLE

CIRC. & INTAKE CLG. WPR SYSTEM

PROGRAM
TITLE

VALVE TEST PROGRAM

SEP 16 1977

TABLE I
TESTS TO CODE

CHART
TITLE

8770-G-082 Rev 10 (Sheet 1)

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS.	REMARKS
V21211	36	BUTFY	MAN	3	E	P	LC	FAI	NO	1	OC-1	
V21190	30	BUTFY	MAN	3	E	P	LC	FAI	NO	1	OC-1	
V21237	30	BUTFY	MAN	3	E	P	LC	FAI	NO	1	OC-1	
V21303	3	BUTFY	MAN	3	B	A	NC	FAI	NO	3	EF-1	

SYSTEM
TITLE

CIRC. & INTAKE CLG. WTR SYSTEM

PROGRAM
TITLE

VALVE TEST PROGRAM

SEP 16 1977

TABLE I
TESTS TO CODECHART
TITLE

8770-G-082 Rev 10 (Sheet 2)

FLORIDA POWER & LIGHT COMPANY														
VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS.	REMARKS		
HCV-14-1	8	BUTFY	PO	2	A	A	NO	FC	YES	3 2 2 1	EF-1 EF-8 EST-1 SLT-1			
HCV-14-2	8	BUTFY	PO	2	A	A	NO	FC	YES	3 2 2 1	EF-1 EF-8 EST-1 SLT-1			
HCV-14-6	8	BUTFY	PO	2	A	A	NO	FC	YES	3 2 2 1	EF-1 EF-8 EST-1 SLT-1			
HVC-14-7	8	BUTFY	PO	2	A	A	NO	FC	YES	3 2 2 1	EF-1 EF-8 EST-1 SLT-1			
V14167	24	BUTFY	MAN	3	B	A	NO	FAI	NO	2	EF-2			
V14169	24	BUTFY	MAN	3	B	A	NC	FAI	NO	2	EF-2			
V14439	24	BUTFY	MAN	3	B	A	NC	FAI	NO	2	EF-2			
V14178	24	BUTFY	MAN	3	B	A	NO	FAI	NO	2	EF-2			
MV14-4	24	BUTFY	MO	3	B	A	NO	FAI	YES	2 2	EF-2 EST-4			
MV14-3	24	BUTFY	MO	3	B	A	NO	FAI	YES	2 2	EF-2 EST-4			
SYSTEM TITLE				COMPONENT COOLING SYSTEM			PROGRAM TITLE		VALVE TEST PROGRAM		SEP 16 1977			
CHART TITLE				8770-G-083 Rev 10 (Sheet 1)									TABLE I TESTS TO CODE	

FLORIDA POWER & LIGHT COMPANY												
VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
MV14-1	24	BUTFY	MO	3	B	A	NO	FAI	YES	2 2	EF-2 EST-4	
MV14-2	24	BUTFY	MO	3	B	A	NO	FAI	YES	2 2	EF-2 EST-4	
HCV14-8A	16	BUTFY	PO	3	B	A	NO	FC	YES	3 3	EST-4 EF-7	
HCV14-8B	16	BUTFY	PO	3	B	A	NO	FC	YES	3 3	EST-4 EF-7	
HCV14-9	16	BUTFY	PO	3	B	A	NO	FC	YES	3 3	EST-4 EF-7	
HCV14-10	16	BUTFY	PO	3	B	A	NO	FC	YES	3 3	EST-4 EF-7	
RCV14-1	2	3-WAY	DO	3	B	A	--	--	YES	3 3	EF-1 EST-4	
HCV14-3A	14	BUTFY	DO	3	B	A	NC	FO	YES	2 2	EF-8 EST-4	
HCV14-3B	14	BUTFY	DO	3	B	A	NC	FO	YES	2 2	EF-8 EST-4	
LCV 14-1	4	GLOBE	DO	3	B	A	NC	FC	NO	3 3	EF-7 EST-3	

SYSTEM TITLE COMPONENT COOLING-SYSTEM

CHART TITLE 8770-G-083 Rev 10 (Sheet 3)

PROGRAM TITLE VALVE TEST PROGRAM

SEP 16 1977

TABLE I
TESTS TO CODE

FLORIDA POWER & LIGHT COMPANY												
VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
MV14-7	10	BUTFY	MO	3	B	A	NO	FAI	YES	2 2	EF-2 EST-4	
MV14-5	10	BUTFY	MO	3	B	A	NO	FAI	YES	2 2	EF-2 EST-4	
MV14-6	10	BUTFY	MO	3	B	A	NO	FAI	YES	2 2	EF-2 EST-4	
MV14-8	10	BUTFY	MO	3	B	A	NO	FAI	YES	2 2	EF-2 EST-4	
HCV14-11-1A1	1 1/2	GLOBE	DO	3	B	A	NO	FC	YES	2 2	EF-8 EST-2	
HCV14-11-1A2	1 1/2	GLOBE	DO	3	B	A	NO	FC	YES	2 2	EF-8 EST-2	
HCV14-11-B2	1 1/2	GLOBE	DO	3	B	A	NO	FC	YES	2 2	EF-8 EST-2	
HCV14-11-B1	1 1/2	GLOBE	DO	3	B	A	NO	FC	YES	2 2	EF-8 EST-2	

SYSTEM
TITLE

COMPONENT COOLING SYSTEM

PROGRAM
TITLE

VALVE TEST PROGRAM

SEP 16 1977

TABLE I
TESTS TO CODE

CHART

8770-G-083 Rev 10 (Sheet 4)

FLORIDA POWER & LIGHT COMPANY												
VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
MV-15-1	2	GATE	MO	2	A	A	NC	FAI	YES	3 2 1	EF-1 EST-* SLT-1	* = 19 sec.
V15328	2	CHECK	S/A	2	AC	A	NC	—	NO	2 1	EF-2 SLT-1	
SYSTEM TITLE				PROGRAM TITLE				SEP 16 1977				TABLE I TESTS TO CODE
FIREWATER, DOMESTIC & MAKE-UP SYST.				VALVE TEST PROGRAM								
CHART TITLE				8770-G-084 Rev 10								

FLORIDA POWER & LIGHT COMPANY												
VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
V18794	2	GLOBE	MAN	2	AE	P	LC	FAI	NO	1 1/4	OC-1 SLT-1	
V18796	2	GLOBE	MAN	2	AE	P	LC	FAI	NO	1 1/4	OC-1 SLT-1	
V18797	1	GLOBE	MAN	2	AE	P	LC	FAI	NO	1 1	OC-1 SLT-1	
V18798	1	GLOBE	MAN	2	AE	P	LC	FAI	NO	1 1	OC-1 SLT-1	
MV-18-1	2	GLOBE	MO	2	A	A	NC	FAI	YES	2 2 1	EF-8 EST * SLT-1	* = 28 sec.
V18195	2	CHECK	S/A	2	AC	A	NC	--	NO	2 1	EF-2 SLT-1	
SYSTEM TITLE				PROGRAM TITLE				SEP 16 1977				
SERVICE & INSTRUMENT AIR SYSTEM				VALVE TEST PROGRAM				TABLE I				
CHART TITLE				8770-G-085 Rev 9				TESTS TO CODE				

FLORIDA POWER & LIGHT COMPANY

FLORIDA POWER & LIGHT COMPANY												
VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS.	REMARKS
RV-17221	3/4	SAFE	S/A	3	C	A	NC	--	NO	1	TF-1	
RV-17222	3/4	SAFE	S/A	3	C	A	NC	--	NO	1	TF-1	
V-17204	1½	CHECK	S/A	3	C	A	NC	--	NO	3	EF-1	
V-17214	1½	CHECK	S/A	3	C	A	NC	--	NO	3	EF-1	
V-17202	3	GATE	MAN	3	E	P	LC	FAI	NO	1	OC-1	
V-17219	3	GATE	MAN	3	E	P	LC	FAI	NO	1	OC-1	
V-17220	3	GATE	MAN	3	E	P	LC	FAI	NO	1	OC-1	
V-17207	2	GATE	MAN	3	E	P	LC	FAI	NO	1	OC-1	
V-17217	2	GATE	MAN	3	E	P	LC	FAI	NO	1	OC-1	
V-17208	3	GATE	MAN	3	E	P	LC	FAI	NO	1	OC-1	
V-17209	3	GATE	MAN	3	E	P	LC	FAI	NO	1	OC-1	
V-17210	3	GATE	MAN	3	E	P	LC	FAI	NO	1	OC-1	
V-17164	2	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
V-17165	2	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
V-17166	2	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
V-17167	2	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
SYSTEM TITLE				PROGRAM TITLE				SEP 16 1977				TABLE I TESTS TO CODE
MISCELLANEOUS SYSTEMS				VALVE TEST PROGRAM								
CHART TITLE				8770-G-086 Rev 9 (Sheet 1)								

FLORIDA POWER & LIGHT COMPANY												
VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
V-SE-17-1A	2	GLOBE	SO	3	B	A	NC	FC	NO	3 3	EF-7 EST-3	
V-SE-17-1B	2	GLOBE	SO	3	B	A	NC	FC	NO	3 3	EF-7 EST-3	

FLORIDA POWER & LIGHT COMPANY												
VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
V07194	3	GATE	MAN	2	E	P	LC	FAI	NO	1	OC-1	
MV07-1 A	24	BUTFY	MO	2	B	A	NO	FAI	YES	2 2	EF-2 EST-4	
MV07-1B	24	BUTFY	MO	2	B	A	NO	FAI	YES	2 2	EF-2 EST-4	
V07141	1	CHECK	S/A	2	C	A	NC	--	NO	3	EF-1	
V07133	2	CHECK	S/A	2	C	A	NC	--	NO	3	EF-1	
V07159	3	GATE	MAN	2	E	P	LC	FAI	NO	1	OC-1	
V7102	3	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	
V7100	3	GATE	MAN	2	E	P	LC	FAI	NO	1	OC-1	
V07124	14	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	
V07136	14	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	
V07145	12	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	
SYSTEM TITLE				PROGRAM TITLE				SEP 16 1977				
CONTAINMENT SPRAY				VALVE TEST PROGRAM								
CHART TITLE												
8770-G-088				Rev 9 (Sheet 1)								
												TABLE I TESTS TO CODE

FLORIDA POWER & LIGHT COMPANY

FLORIDA POWER & LIGHT COMPANY												
VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS.	REMARKS
V07226	2	GLOBE	MAN	2	E	P	LO	FAI	NO	1	OC-1	
V07132	2	GLOBE	MAN	2	E	P	LO	FAI	NO	1	OC-1	
V07130	12	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	
V7142	2	GLOBE	MAN	2	E	P	LO	FAI	NO	1	OC-1	
V7222	2	GLOBE	MAN	2	E	P	LO	FAI	NO	1	OC-1	
V07195	3	GATE	MAN	2	E	P	LC	FAI	NO	1	OC-1	
V07166	3	GATE	MAN	2	E	P	LC	FAI	NO	1	OC-1	
V07207	3	GATE	MAN	2	E	P	LC	FAI	NO	1	OC-1	
V07157	1	GLOBE	MAN	2	E	P	LC	FAI	NO	1	OC-1	
V07158	1	GLOBE	MAN	2	E	P	LC	FAI	NO	1	OC-1	
V07161	12	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	
V07162	12	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	
V07164	12	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	
V07165	12	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	
V07103	3	GATE	MAN	2	E	P	LC	FAI	NO	1	OC-1	
V07104	3	GATE	MAN	2	E	P	LC	FAI	NO	1	OC-1	
SYSTEM TITLE				PROGRAM TITLE				SEP 16 1977				TABLE I TESTS TO CODE
CONTAINMENT SPRAY				VALVE TEST PROGRAM								
CHART TITLE				8770-G-088 Rev 9 (Sheet 2)								

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS.	REMARKS
LCV 07-11A	3	GATE	DO	2	A	A	NC	FC	YES	3 2 2 1	EF-1 EF-8 EST-2 SLT-1	
LCV07-11B	3	GATE	DO	2	A	A	NC	FC	YES	3 2 2 1	EF-1 EF-8 EST-2 SLT-1	
V07206	3	GATE	MAN	2	A/E	P	LC	FAI	NO	1	OC-1 SLT-1	
V07189	3	GATE	MAN	2	A/E	P	LC	FAI	NO	1 1	OC-1 SLT-1	
V07170	3	GATE	MAN	2	A/E	P	LC	FAI	NO	1 1	OC-1 SLT-1	
V07188	3	GATE	MAN	2	A/E	P	LC	FAI	NO	1 1	OC-1 SLT-1	
V07101	3	GATE	MAN	2	B	A	NC	FAI	NO	2	EF-2	
V07120	24	CHECK	S/A	2	C	A	NC	--	NO	3	EF-1	
V07119	24	CHECK	S/A	2	C	A	NC	--	NO	3	EF-1	

SYSTEM
TITLE

CONTAINMENT SPRAY

PROGRAM
TITLE

VALVE TEST PROGRAM

SEP 16 1977

TABLE I
TESTS TO CODECHART
TITLE

8770-G-088 Rev 9 (Sheet 3)

FLORIDA POWER & LIGHT COMPANY												
VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
FCV-07-1A	12	GLOBE	DO	2	B	A	NC	FO	YES	2 2	EF-8 EST-3	
FCV-07-1B	12	GLOBE	DO	2	B	A	NC	FO	YES	2 2	EF-8 EST-3	
MOV-07-2B	24	BUTFY	MO	2	B	A	NC	FAI	YES	2 2	EF-2 EST-3	
MOV-07-2A	24	BUTFY	MO	2	B	A	NC	FAI	YES	2 2	EF-2 EST-3	
V07220	3	GATE	MAN	2	E	P	LO	FAI	NO	1	CC-1	

SYSTEM
TITLE

CONTAINMENT SPRAY

CHART

8770-G-088 Rev 9 (Sheet 4)

PROGRAM
TITLE

VALVE TEST PROGRAM

SEP 16 1977

TABLE I
TESTS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
FCV-26-1	1	GLOBE	DO	2	A	A	NO	FC	YES	3 2 2 1	EF-1 EF-8 EST-2 SLT-1	
FCV-26-2	1	GLOBE	DO	2	A	A	NO	FC	YES	3 2 2 1	EF-1 EF-8 EST-2 SLT-1	
FCV-26-3	1	GLOBE	DO	2	A	A	NO	FC	YES	3 2 2 1	EF-1 EF-8 EST-2 SLT-1	
FCV-26-4	1	GLOBE	DO	2	A	A	NO	FC	YES	3 2 2 2	EF-1 EF-8 EST-2 SLT-1	
FCV-26-5	1	GLOBE	DO	2	A	A	NO	FC	YES	3 2 2 1	EF-1 EF-8 EST-2 SLT-1	
FCV-26-6	1	GLOBE	DO	2	A	A	NO	FC	YES	3 2 2 1	EF-1 EF-8 EST-2 SLT-1	

SYSTEM
TITLE MISCELLANEOUS SAMPLING SYSTEMSPROGRAM
TITLE VALVE TEST PROGRAM

SEP 16 1971

TABLE I
TESTS TO CODECHART
TITLE 8770-G-092 Rev 3 (Sheet 1)

FLORIDA POWER & LIGHT COMPANY

FLORIDA POWER & LIGHT COMPANY												
VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS.	REMARKS
FSE-27-1	3/8	GATE	SO	2	A	P	NC	FAI	YES	1	SLT-1	
FSE-27-2	3/8	GATE	SO	2	A	P	NC	FAI	YES	1	SLT-1	
FSE-27-3	3/8	GATE	SO	2	A	P	NC	FAI	YES	1	SLT-1	
FSE-27-4	3/8	GATE	SO	2	A	P	NC	FAI	YES	1	SLT-1	
FSE-27-8	3/8	GATE	SO	2	A	P	NC	FAI	YES	1	SLT-1	
FSE-27-11	3/8	GATE	SO	2	A	P	NC	FAI	YES	1	SLT-1	
FSE-27-10	3/8	GATE	SO	2	A	P	NC	FAI	YES	1	SLT-1	
FSE-27-5	3/8	GATE	SO	2	A	P	NC	FAI	YES	1	SLT-1	
FSE-27-6	3/8	GATE	SO	2	A	P	NC	FAI	YES	1	SLT-1	
FSE-27-7	3/8	GATE	SO	2	A	P	NC	FAI	YES	1	SLT-1	
FSE-27-9	3/8	GATE	SO	2	A	P	NC	FAI	YES	1	SLT-1	
SYSTEM TITLE				PROGRAM TITLE				SEP 16 1977				TABLE I TESTS TO CODE
MISCELLANEOUS SAMPLING SYSTEM				VALVE TEST PROGRAM								
CHART TITLE				8770-G-092 Rev 3 (Sheet 2)								

FLORIDA POWER & LIGHT COMPANY												
VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS.	REMARKS
V00140	1	GLOBE	MAN	2	A	P	NC	FAI	NO	1/4	SLT-1	
V00143	1	GLOBE	MAN	2	A	P	NC	FAI	NO	1/4	SLT-1	
V00139	3/8	GLOBE	MAN	2	A	P	NC	FAI	NO	1/4	SLT-1	
V00144	3/8	GLOBE	MAN	2	A	P	NC	FAI	NO	1/4	SLT-1	
FCV-23-3	2	GLOBE	DO	2	B	A	NO	FC	YES	3 3	EF-7 EST-2	
FCV-23-7	1/2	GLOBE	DO	2	B	A	NO	FC	YES	3 3	EF-7 EST-2	
FCV-23-9	1/2	GLOBE	DO	2	B	A	NO	FC	YES	3 3	EF-7 EST-2	
FCV-23-6	2	GLOBE	DO	2	B	A	NO	FC	YES	2 2	EF-8 EST-2	
FCV-23-4	2	GLOBE	DO	2	B	A	NO	FC	YES	2 2	EF-8 EST-2	
FCV-23-5	2	GLOBE	DO	2	B	A	NO	FC	YES	3 3	EF-7 EST-2	
SYSTEM TITLE				PROGRAM TITLE				SEP 16 1977				TABLE I TESTS TO CODE
CHART TITLE				8770-G-093 Rev 3								

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS:		
FCV-23-3	2	GLOBE	DO	2	B	A	NO	FC	YES	2 2	EF-8 EST-2			
FCV-23-7	1/2	GLOBE	DO	2	B	A	NO	FC	YES	2 2	EF-8 EST-2			
FCV-23-9	1/2	GLOBE	DO	2	B	A	NO	FC	YES	2 2	EF-8 EST-2			
FCV-23-6	2	GLOBE	DO	2	B	A	NO	FC	YES	2 2	EF-8 EST-2			
FCV-23-4	2	GLOBE	DO	2	B	A	NO	FC	YES	2 2	EF-8 EST-2			
FCV-23-5	2	GLOBE	DO	2	B	A	NO	FC	YES	2 2	EF-8 EST-2			

SYSTEM
TITLE STEAM GENERATOR BLOWDOWNPROGRAM
TITLE VALVE TEST PROGRAM

SEP 16 1977

TABLE I
TESTS TO CODECHART
TITLE 3509-G-115 Rev 6 (Sheet 1 of 2)

FLORIDA POWER & LIGHT COMPANY

PENE. NO.	VALVE NUMBER	LEAKAGE SCC/MIN	PENE. NO.	VALVE NUMBER	LEAKAGE SCC/MIN	PENE. NO.	VALVE NUMBER	LEAKAGE SCC/MIN
7	MV-15-1	5,000	26	V-2515	8,000	44	SE-01-1	4,000
	V-15328	8,000		V-2516	8,000		V-2505	4,000
8	V-18796	8,000	28	V-5290	2,000	46	V-07206	8,000
	V-18794	8,000		V-5203	2,000		V-07189	8,000
	V-18797	8,000	29	V-5201	2,000	47	V-07170	8,000
	V-18798	8,000		V-5204	2,000		V-07188	8,000
9	MV-18-1	5,000		V-5202	2,000	48 a	FSE-27-1	1,000
	V-18195	8,000		V-5205	2,000		FSE-27-2	1,000
10	FCV-25-4	200,000	31	V-6555	4,000		FSE-27-3	1,000
	FCV-25-5	200,000		V-6554	4,000		FSE-27-4	1,000
11	FCV-25-2	200,000	41	V-07009	5,000		FSE-27-8	1,000
	FCV-26-3	200,000		V-3463	5,000	48 c	FSE-27-11	1,000
14	V-6741	4,000	42	LCV-07-11A	12,000		V-27101	3,000
23	HCV-14-1	40,000		LCV-07-11B	12,000	51 a	FSE-27-10	1,000
	HCV-14-7	40,000	43	V-6302	12,000		V-27102	3,000
24	HCV-14-6	40,000		V-6301	12,000			
	HCV-14-2	40,000						
SYSTEM TITLE VARIOUS			PROGRAM TITLE VALVE TEST PROGRAM			SEP 16 1977		
CHART TITLE VARIOUS			TABLE I.A VALVE LEAKAGE RATES					

FLORIDA POWER & LIGHT COMPANY

PENE. NO.	VALVE NUMBER	LEAKAGE SCC/MIN	PENE. NO.	VALVE NUMBER	LEAKAGE SCC/MIN	PENE. NO.	VALVE NUMBER	LEAKAGE SCC/MIN
51 c	FSE-27-7	1,000	68	FCV-25-8	100,000			
	FSE-27-6	1,000		V-25-21	100,000			
	FSE-27-5	1,000	52 d	V-00140	4,000			
	FSE-27-9	1,000		V-00143	4,000			
52 a	FCV-26-1	4,000	52 e	V-00139	2,000			
	FCV-26-2	4,000		V-00144	2,000			
52 b	FCV-26-3	4,000						
	FCV-26-4	4,000						
52 c	FCV-26-5	4,000						
	FCV-26-6	4,000						
56	V-25-11	8,000						
57	V-25-13	8,000						
58	V-25-15	8,000						
67	FCV-25-7	100,000						
	V-25-20	100,000						

SYSTEM
TITLE

VARIOUS

PROGRAM
TITLE

VALVE TEST PROGRAM

SEP 16 1977

CHART
TITLE

VARIOUS

TABLE J.A
VALVE LEAKAGE RATES

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS:		
												X	Y	Z
PCV-1100F	3	ANGLE	DO	1	B	A	NC	FC	YES	--	--	DEF. 6	E-11	
PCV-1100E	3	ANGLE	DO	1	B	A	NC	FC	YES	--	--	DEF. 6	E-11	
V1403	2½	GATE	MO	1	B	A	NO	FAI	YES	1 1	EF-2 EST-3	E-6	E-1	
V1405	2½	GATE	MO	1	B	A	NO	FAI	YES	1 1	EF-2 EST-3	E-6	E-1	
V1402	2½	GATE	SO	1	B	A	NC	FC	YES	1 1	EF-2 EST-3	E-6	E-1	
V1404	2½	GATE	SO	1	B	A	NC	FC	YES	1 1	EF-2 EST-3	E-6	E-1	
V1249	3	CHECK	S/A	1	C	A	NO	--	NO	--	--	DEF. 6	E-5	
V1248	3	CHECK	S/A	1	C	A	NO	--	NO	--	--	DEF. 6	E-5	

SYSTEM
TITLE

REACTOR COOLANT SYSTEM

PROGRAM
TITLE

VALVE TEST PROGRAM

SEP 16 1977

TABLE II
EXCEPTIONS TO CODECHART
TITLE

E-19367-210-110 Rev 13

FLORIDA POWER & LIGHT COMPANY

FLORIDA POWER & LIGHT COMPANY														
VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS:		
												X	Y	Z
No Table II Valves														
SYSTEM TITLE				PROGRAM TITLE				SEP 16 1977				TABLE II EXCEPTIONS TO CODE		
CHART TITLE														
E-19367-210-111 Rev 8														

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS:		
												X	Y	Z
V2441	1/2	CHECK	S/A	2	C	A	NO	—	NO	—	—	DEF. 6	E-5	
V2197	3/8	CHECK	S/A	2	C	A	NO	—	NO	—	—	DEF. 6	E-5	
V2513	1/2	DIAPH	DO	2	B	A	NC	FC	YES	—	—	DEF. 6	E-11	
V2190	3	CHECK	S/A	2	C	A	NC	—	NO	—	—	DEF. 6	E-5	
V2177	3	CHECK	S/A	2	C	A	NC	—	NO	—	—	DEF. 6	E-5	
I-V-01-1144	3/4	CHECK	S/A	2	C	A	NO	—	NO	—	—	DEF. 6	E-5	
V2526	4	CHECK	S/A	2	C	A	NO	—	NO	—	—	DEF. 6	E-5	
V2101	3	CHECK	S/A	2	C	A	NO	—	NO	—	—	DEF. 6	E-5	
V2118	4	CHECK	S/A	2	C	A	NO	—	NO	—	—	DEF. 6	E-5	

SYSTEM
TITLE CHEMICAL AND VOLUME CONTROL SYST.

PROGRAM
TITLE VALVE TEST PROGRAM

SEP 16 1977

TABLE II
EXCEPTIONS TO CODE

CHART
TITLE E-19367-210-121 Rev 11

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS:		
												X	Y	Z
No Table II Valves														

SYSTEM
TITLE Safety Injection System

CHART
TITLE E-19367-210-130 Rev 12

PROGRAM
TITLE Valve Test Program

SEP 16 1977

TABLE II
EXCEPTIONS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS:		
												X	Y	Z
V3133	2	CHECK	S/A	1	C	A	NC	--	NO	1	EF-2	E-6	E-3	
V3143	2	CHECK	S/A	1	C	A	NC	--	NO	1	EF-2	E-6	E-3	
V3235	12	CHECK	S/A	2	C	A	NC	--	NO	--	--	DEF. 6	E-5	
V3215	12	CHECK	S/A	2	C	A	NC	--	NO	--	--	DEF. 6	E-5	
V3113	2	CHECK	S/A	1	C	A	NC	--	NO	1	EF-2	E-6	E-3	
V3225	12	CHECK	S/A	2	C	A	NC	--	NO	--	--	DEF. 6	E-5	
V3123	2	CHECK	S/A	1	C	A	NC	--	NO	1	EF-2	E-6	E-3	
V3245	12	CHECK	S/A	2	C	A	NC	--	NO	--	--	DEF. 6	E-5	

SYSTEM
TITLE

SAFETY INJECTION SYSTEM

PROGRAM
TITLE

VALVE TEST PROGRAM

SEP 16 1977

CHART
TITLE

E-19367-210-131 Rev 12

TABLE II
EXCEPTIONS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS:		
												X	Y	Z
No Table II Valves														

SYSTEM
TITLE

Fuel Pool System

PROGRAM
TITLE

Valve Test Program

SEP 16 1977

CHART
TITLE

E-19367-210-140 Rev 11

TABLE II
EXCEPTIONS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS:		
												X	Y	Z
No Table II Valves														

SYSTEM
TITLE

Sampling System

PROGRAM
TITLE

Valve Test Program

SEP 16 1977

CHART
TITLE

E-19367-210-150 Rev 11

TABLE II
EXCEPTIONS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS:	
V9252	20	CHECK	S/A	2	C	A	NO	---	NO	---	---	DEF. 6	E-5
V9294	20	CHECK	S/A	2	C	A	NO	---	NO	---	---	DEF. 6	E-5
PCV-29-18	1/2	REG	S/A	3	B	A	NC	FAI	NO	---	---	DEF. 6	E-11

SYSTEM
TITLE FEEDWATER, COND. & AIR EVAC. SYSTEM

CHART
TITLE 8770-G-080 Rev 11

PROGRAM
TITLE

VALVE TEST PROGRAM

SEP 16 1977

TABLE II
EXCEPTIONS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE
NUMBER

SIZE

TYPE

ACTU.

CODE
CL.CODE
CAT.ACT/
PASNORM.
POS.FAIL-
URE
MODEREM.
POS.
IND.TEST
PER.ISI
TESTS

REMARKS:

X

Y

Z

No Table II Valves

SYSTEM
TITLE

Circ. & Intake Clg. Water Syst.

PROGRAM
TITLE

Valve Test Program

SEP 16 1977

CHART
TITLE

8770-G-082 Rev 10

TABLE II
EXCEPTIONS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS:		
												X	Y	Z
V14151	24	CHECK	S/A	3	C	A	NO	—	NO	—	—	DEF. 6	E-5	
V14147	24	CHECK	S/A	3	C	A	NO	—	NO	—	—	DEF. 6	E-5	
V14442	1½	CHECK	S/A	3	C	A	NO	—	NO	—	—	DEF. 6	E-5	
V14443	1½	CHECK	S/A	3	C	A	NO	—	NO	—	—	DEF. 6	E-5	
V14445	1½	CHECK	S/A	3	C	A	NO	—	NO	—	—	DEF. 6	E-5	
V14444	1½	CHECK	S/A	3	C	A	NO	—	NO	—	—	DEF. 6	E-5	
TCV2223	6	BUTY	DO	3	B	A	NO	FO	YES	—	—	DEF. 6	E-11	
V14143	24	CHECK	S/A	3	C	A	NO	—	NO	—	—	DEF. 6	E-5	
SYSTEM TITLE COMPONENT COOLING SYSTEM				PROGRAM TITLE VALVE TEST PROGRAM				SEP 16 1977				TABLE II EXCEPTIONS TO CODE		
CHART TITLE 8770-G-083 Rev 10														

FLORIDA POWER & LIGHT COMPANY

VALVE
NUMBER

SIZE

TYPE

ACTU.

CODE
CL.CODE
CAT.ACT/
PASNORM.
POS.FAIL-
URE
MODEREM.
POS.
IND.TEST
PER.ISI
TESTS

REMARKS:

X

Y

Z

No Table II Valves

SYSTEM
TITLE

Firewater, Domestic & Make-Up Sys

PROGRAM
TITLE

Valve Test Program

SEP 16 1977

TABLE II
EXCEPTIONS TO CODECHART
TITLE

8770-G-084 Rev 10

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS.	REMARKS:
No Table II Valves												

SYSTEM
TITLE SERVICE & INST. AIR SYSTEMSPROGRAM
TITLE VALVE TEST PROGRAM

SEP 16 1977

TABLE II
EXCEPTIONS TO CODECHART
TITLE 8770-G-005 Rev 9

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS:	
V07192	12	CHECK	S/A	2	C	A	NC	—	NO	—	—	DEF. 6	E-5
V07193	12	CHECK	S/A	2	C	A	NC	—	NO	—	—	DEF. 6	E-5
V07143	12	CHECK	S/A	2	C	A	NC	—	NO	3	—	DEF. 6	E-5
V07129	12	CHECK	S/A	2	C	A	NC	—	NO	3	—	DEF. 6	E-5
V07174	24	CHECK	S/A	2	C	A	NC	—	NO	3	—	DEF. 6	E-5
V07172	24	CHECK	S/A	2	C	A	NO	—	NO	3	—	DEF. 6	E-5
SYSTEM TITLE				PROGRAM TITLE				SEP 16 1977				TABLE II EXCEPTIONS TO CODE	
CONTAINMENT SPRAY				VALVE TEST PROGRAM									
CHART TITLE													
8770-G-088 Rev 9													

FLORIDA POWER & LIGHT COMPANY

FLORIDA POWER & LIGHT COMPANY														
VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS:		
												X	Y	Z
No Table II Valves														
SYSTEM TITLE			PROGRAM TITLE			SEP 16 1977			TABLE II EXCEPTIONS TO CODE					
CHART TITLE														
8770-G-093 Rev 3 (Sheet 3)														

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS:		
												X	Y	Z
No Table II Valves														

SYSTEM
TITLE HVAC Air Flow DiagramPROGRAM
TITLE Valve Test ProgramCHART
TITLE 8770-G-862 Rev 10

SEP 16 1977

TABLE II
EXCEPTIONS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE
NUMBER

SIZE

TYPE

ACTU.

CODE
CL,CODE
CAT.ACT/
PASNORM.
POS.FAIL-
URE
MODEREM.
POS.
IND.TEST
PER.ISI
TESTS

REMARKS:

X

Y

Z

No Table II Valves

SYSTEM
TITLE

STEAM GENERATOR BLOWDOWN

PROGRAM
TITLE

Valve Test Program

CHART
TITLE

3509-G-115 Rev 6 (Sheet 1)

SEP 16 1977

TABLE II
EXCEPTIONS TO CODE

Table III Exemptions to Code

This table of valves is not included in this report. They are identified and included in the plant records.

FLORIDA POWER & LIGHT COMPANY

PUMP	PUMP NO.	INLET PRESSURE P _i	DIFFERENTIAL PRESSURE ΔP	SPEED N	FLOW RATE Q	VIBRATION V	BRG T _b TEMP	TEST INTERVAL
Boric Acid Makeup Pumps	1A	YES	YES	NA	1) NO	YES	YES*	MONTHLY
	1B	YES	YES	NA	1) NO	YES	YES*	MONTHLY
Component Cooling Water Pump	1A	YES	YES	NA	YES	YES	YES*	MONTHLY
	1B	YES	YES	NA	YES	YES	YES*	MONTHLY
	1C	YES	YES	NA	YES	YES	YES*	MONTHLY
Containment Spray Pump	1A	YES	YES	NA	1) NO	YES	YES*	MONTHLY
	1B	YES	YES	NA	1) NO	YES	YES*	MONTHLY
Diesel Oil Transfer Pump	1A	YES	YES	NA	1) NO	YES	YES*	MONTHLY
	1B	YES	YES	NA	1) NO	YES	YES*	MONTHLY
Charging Pump	1A	YES	YES	NA	YES	YES	YES*	MONTHLY
	1B	YES	YES	NA	YES	YES	YES*	MONTHLY
	1C	YES	YES	NA	YES	YES	YES*	MONTHLY
Intake Cooling Water Pump	1A	YES	YES	NA	YES	YES	YES*	MONTHLY
	1B	YES	YES	NA	YES	YES	YES*	MONTHLY
	1C	YES	YES	NA	YES	YES	YES*	MONTHLY
		PROGRAM TITLE	SEP 16 1977 PUMP TEST PROGRAM				TABLE IV TEST PARAMETERS	

FLORIDA POWER & LIGHT COMPANY

PUMP	PUMP NO.	INLET PRESSURE P _i	DIFFERENTIAL PRESSURE ΔP	SPEED N	FLOW RATE Q	VIBRATION V	BRG T _b TEMP	TEST INTERVAL
Auxiliary Feedwater Pump	1A 1B 1C	YES YES YES	YES YES YES	NA NA YES Turbine Driven	1) NO 1) NO 1) NO	YES YES YES	YES* YES* YES*	MONTHLY MONTHLY MONTHLY
Low Pressure Safety Injection Pump	1A 1B	YES YES	YES YES	NA NA	1) NO 1) NO	YES YES	YES* YES*	MONTHLY MONTHLY
High Pressure Safety Injection Pump	1A 1B 1C	YES YES YES	YES YES YES	NA NA NA	1) NO 1) NO 1) NO	YES YES YES	YES* YES* YES*	MONTHLY MONTHLY MONTHLY
1) Fix resistance system-test performed on recirculation								
* Indicator parameter to be taken yearly								
		PROGRAM TITLE			SEP 16 1977 PUMP TEST PROGRAM		TABLE IV TEST PARAMETERS	