ATTACHMENT A

Re: Turkey Point Unit 4
Docket No. 50-251
Revised Pump and Valve Test Program

TECHNICAL SPECIFICATION CHANGES

RETURN TO REACTOR DOCKET FILES

4.5 SAFETY INJECTION

Applicability: Applies to testing of the Safety Injection System.

Objective: To verify that the subject systems will respond promptly and perform their design functions.

Specifications:

1. SYSTEM TESTS

   a. System tests shall be performed at each refueling shutdown. The test shall be performed in accordance with the following procedure:

      With the Reactor Coolant System pressure equal to or less than 350 psig and temperature equal to or less than 350F, a test safety injection signal will be applied to initiate operation of the system. The breakers for the residual heat removal pump motors will be tested either in the test position or by actual residual heat removal pump motor operation resulting from the test safety injection signal.

   b. The test will be considered satisfactory if control panel indication and visual observations indicate that all components have received the safety injection signal in the proper sequence and timing, appropriate breakers shall open and close, and all automatic valves shall complete their travel.

2. COMPONENT TESTS

   a. Pumps (Unit 3 only)[ϕ]

      1. The residual heat removal pumps shall be started at intervals not greater than one month.

[ϕ] (Unit 4 only) Compliance with Specification 4.2.2(Unit 4 only) demonstrates operability.

2. Pumps shall start and reach required head for normal or recirculation flow, whichever is applicable to the operating condition; the instruments and visual observations shall indicate proper functioning. Test operation shall be for a least 15 minutes.

b. Valves (Unit 3 only) ϕ

1. The boron injection tank isolation valves receiving a Safety Injection signal shall be cycled monthly.††

2. The containment recirculation sump suction valves shall be cycled monthly.†

3. Accumulator check valves shall be checked for operability during each refueling shutdown.

4. The refueling water storage tank outlet valves shall be tested in performing the respective pump tests.†

† - N.A. during cold or refueling shutdowns. The specified tests, however, shall be performed within one surveillance interval prior to reactor startup.

†† - N.A. during cold or refueling shutdowns. The specified tests, however, shall be performed within one surveillance interval prior to heatup above 200 F.

ϕ - (Unit 4 only) Compliance with Specification 4.2.2(Unit 4 only) demonstrates operability of all safety injection pumps, all Unit 4 residual heat removal pumps, and Unit 4 valves.

2. COMPONENT TESTS

Pumps$^{\phi}$ and Fans

The containment spray pumps (Unit 3 only) ϕ and the Emergency Containment Cooling fans shall be started at intervals not greater than one (1) month. ††

Acceptable levels of performance shall be that the pumps reach their rated shut off heads, the fan motors reach their nominal operating current for the containment atmosphere during the test, and both operate for at least fifteen minutes.

Valves (Unit 3 only) ϕ

The systems motor operated isolation valves will be tested for operation during system tests.

†† - N.A. during cold or refueling shutdowns. The specified tests, however, shall be performed within one surveillance interval prior to heatup above 200 F.

ϕ - (Unit 4 only) Compliance with Specification 4.2.2 (Unit 4 only) demonstrates operability.

3 LABORATORY TESTS

Quarterly, a charcoal surveillance specimen which had been located in a representative part of the containment will be withdrawn and laboratory tested for iodine removal capability. The charcoal shall demonstrate a removal efficiency of 99.9% for elemental iodine. Failing this, the charcoal within the containment filter system shall be replaced by charcoal which meets or exceeds original specifications.

4.7.2 POST-ACCIDENT CONTAINMENT VENT SYSTEM

1 OPERATING TESTS

A system test shall be performed during each scheduled refualing period, which shall consist of visual inspection and (for Unit 3)$^{\phi}$ operation of all valves. Visual inspection shall include search for any foreign material, gacket deterioration in HEPA filters, and excessive dust cake on demister.

2. PERFORMANCE TESTS

During each refueling operation, "in-place" DOP and freon tests shall be conducted at design flow on the filters. 99.5% DOP and 99.0% freon removal shall constitute acceptable performance. The hydrogen concentration measuring instrument shall be calibrated with proper consideration to humidity during each refueling period.

ϕ - (Unit 4 only) Compliance with Specification 4.2.2 (Unit 4 only) demonstrates operability.

ATTACHMENT B

Re: Turkey Point Unit 4
Docket No. 50-251
Revised Pump and Valve Test Program

REVISED PUMP TEST PROGRAM

&

REVISED VALVE TEST PROGRAM

ATTACHMENT B

Turkey Point Unit 4

(1) Valve Test Program

(2) Pump Test Program

(3) Inservice Inspection Program

TABLE OF CONTENTS

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 Sub-sections I.G. The period for this valve test program starts September 7, 1978 and ends May 7, 1980.

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. The period for the pump test program starts September 7, 1978 and ends May 7, 1980.

Section III. Inservice Inspection Program Outline

The inservice inspection program shall be conducted in accordance

Section III. (Continued)

with Subsection IWB, IWC and IWD 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 the appropriate code class of the ISI Table under Remarks in Subsection III. The period for the inservice inspection (ISI) program starts January 7, 1977 and ends May 7, 1980.

I.A. LIST OF DRAWINGS

FPL NO. F-503184, REV. 7	CHEMICAL & VOLUME CONTROL SYSTEM
FPL NO. E-503185, REV. 7	SAFETY INJECTION SYSTEM
FPL NO. F-503187, REV. 7	AUXILIARY COOLANT SYSTEM COMPONENT COOLING
FPL NO. E-503188, REV. 7	AUXILIARY COOLANT SYSTEM COMPONENT COOLING
FPL NO. F-503189, REV. 8	WASTE DISPOSAL SYSTEM
FPL NO. F-503191, REV. 6	REACTOR COOLANT SYSTEM
FPL NO. F-503193, REV. 7	SAMPLING SYSTEM
FPL NO. F-503194, REV. 6	AUXILIARY COOLANT SYSTEM RESIDUAL HEAT REMOVAL
FPL NO. F-503195, REV. 4	AUXILIARY COOLANT SYSTEM SPENT FUEL PIT COOLING SYSTEM
FPL NO. F-502027, REV. 14	STEAM SYSTEM
FPL NO. F-502028, REV. 15	CONDENSATE AND FEEDWATER SYSTEMS
FPL NO. F-502030, REV. 14	LUBE OIL SERVICE AND INSTRUMENT AIR
FPL NO. F-502031, REV. 14	CIRCULATING WATER SALT WATER AND CHLORINATION SYSTEMS
FPL NO. F-502033, REV. 8	DIESEL OIL
FPL NO. F-502036, REV. 14	PRIMARY MAKE-UP CONTAINMENT COOLING WATER AND CHEMICAL INJECTION SYSTEMS
FPL NO. F-502037, REV. 10	CONTAINMENT VENTILATION SYSTEM
FPL NO. F-502038, REV. 10	CONTAINMENT AND RADWASTE DRAINS AND VENTS

I.B. LIST OF VALVE CATEGORIES

CATEGORY[1] A - Valves for which seat leakage is limited to a specific maximum amount in the closed position for fulfillment of their function.

CATEGORY[1] B - Valves for which seat leakage in the closed position is inconsequential for fulfillment of their function.

CATEGORY[1] C - Valves which are self-actuating in response to some system characteristic, such as pressure (relief valves) or flow direction (check valves).

CATEGORY[1] D - Valves which are actuated by an energy source capable of only one operation, such as rupture disks or explosive actuated valves.

CATEGORY[1] E - Valves which are normally locked (or sealed) open or locked (or sealed) closed to fulfill their function.

FOOTNOTE:

[1]Combination 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) ACTIVE VALVES - are required to change position either by opening, closing, or opening and re-closing to either safely shut down the reactor or mitigate the consequences of an accident.

2) PASSIVE VALVES - are not required to change position to either safely shut down the reactor or mitigate the consequences of an accident.

3) EXERCISING - Exercising is the demonstration, based on direct or indirect visual or other positive indication, that the valve exhibits the required change of disk position to fulfill its function.

   a) FULL STROKE - is the valve stem or disc movement to the position required (to open or to close) to fulfill its function.

   b) Normally open valve - verification of seating upon cessation or reversal of flow.

   c) Normally closed valve - verification of opening upon cessation of pressure differential or initiation of flow or by mechanical force.

I. D. LIST OF VALVE TABLE SYMBOLS

VALVE NUMBER:	IDENTIFICATION
SIZE:	INCHES
TYPE:	GATE - GLOBE - CHECK - ANGLE - 3-WAY - PLUG
	SAFE, REL - SAFETY AND RELIEF
	NOZL - NOZZLE
	NEDL - NEEDLE
	BUTFY - BUTTERFLY
	DIAPH - DIAPHRAGM
ACTUATOR:	AO - AIR OPERATOR
	MO - ELECTRIC MOTOR OPERATOR
	SO - SOLENOID OPERATOR
	SA OR SELF - SELF ACTUATOR
CODE CLASS:	1 - 2 - 3
CODE CATEGORY:	A - B - C - E (OR COMBINATION OF) - SEE TABLE A BELOW and SUB-SECTION I. B.
ACTIVE/PASSIVE:	A - P - (SEE TABLE A BELOW)
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
	2. COLD SHUTDOWN - SEE NOTE(S) 1 FOR DEFINITION UNDER SUB-SECTION I. E. & I. G.
	3. OPERATION - 3 MONTHS OR LESS (CODE)
INSERVICE INSPECTION: (ISI) TESTS	SEE APPROPRIATE LIST OF CATEGORY LEGEND (SUB-SECTION I.E. & I. G.)
	ASTERISK (*) - ONE (1) INSPECTION INTERVAL (TEN YEARS)

-CONT'D-

I. D. LIST OF VALVE TABLE SYMBOLS (CONT'D)

RRB NO.	NUMBER RELATES TO APPROPRIATE VALVE RELIEF REQUEST BASIS
VALVE COORDINATE	LOCATION OF VALVE ON DRAWING
REMARKS	RELATES TO SPECIAL ALTERNATE TESTING

TABLE - A

CATEGORY	VALVE FUNCTION	CODE LEAK TEST	CODE EXER. TEST	CODE POSIT. VERIF.
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-3520	NONE
E	PASSIVE	NONE	NONE	IWV-3700

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-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).

EST-5 Exercise valve - power operated (full stroke) and measure time (Code) (180 seconds - Max.) (FPL).

EST-6 Exercise valve - power operated (full stroke) and measure time (Code) (15 seconds - Max.) (FPL).

SLT-1 Seat leakage test valve during refueling but less than every 2 years (Code).

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

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

- 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).

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).

NOTES:

1) Cold Shutdown - ISI tests scheduled for Test Period 2 (Cold Shutdown) shall commence no later than 48 hours after reaching Cold Shutdown conditions, or no later than 64 hours if Cold Shutdown conditions are reached between Friday 1600 hours and Monday 0800 hours. In the case of frequent Cold Shutdowns, valve testing will not be performed more often than once every three (3) months for Category A and B valves; once every nine (9) months for Category C and AC valves. Valves that are not tested during a specific Cold Shutdown, due to plant startup, will be identified to assure their testing in the event of untimely Cold Shutdowns within the time periods (i.e., 3 months or 9 months, as applicable). However, in the event that Cold Shutdowns extend beyond these time periods, all the valves shall be re-scheduled for testing commencing with those that were not tested during the previous Cold Shutdown period. In any event, plant startup shall not be delayed to complete valve testing.

2) Corrective Action - Where a valve fails to meet the requirements of this program and/or the reference Code, the condition(s) shall be reviewed by the Plant Nuclear Safety Committee for disposition and determination of

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

whether it involves an unreviewed safety question prior to commencing with plant startup or continuing with plant operation.

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: TABLE I.A. - SEAT LEAKAGE TEST PARAMETERS TO FPL REQUIREMENTS.

SEAT LEAKAGE RATES BASED ON AIR TESTS

50 PSI ΔP at Pa

WHERE:

Pa = ACCIDENT PRESSURE

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).

LEGEND - The LEGEND in Sub-Section I. E. applies to this Table.

NOTES:

1) Notes 1, 2 and 3 of Sub-Section I. E. apply to this Table.

2) Each valve in Table II is either

a) Partially tested to code or,

b) Taken exception to, but supported by Relief Request Basis including Alternate Tests.

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

- Vent Valves
- Drain Valves
- Instrument Valves
- Test Valves
- Maintenance Valves
- Non-Nuclear Safety Valves

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

RELIEF REQUEST BASIS - ATTACHMENT B-1
CODE REQUIREMENTS DETERMINED TO BE IMPRACTICAL.....
PARA. 50.55 a (g) 5 (iii), RELIEF REQUEST BASIS
SUPPORTED BY ALTERNATE TESTING.

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.

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	RRB NO.	VALVE COORD	REMARKS
CV-4-200A	2	PLUG	A/O	1	A	A	NC	FC	YES	2 2 2 1	EF-2 EF-8 EST-2 SLT-1	1	D-19	
CV-4-200B	2	PLUG	A/O	1	A	A	NC	FC	YES	2 2 2 1	EF-2 EF-8 EST-2 SLT-1	1	D-18	
CV-4-200C	2	PLUG	A/O	1	A	A	NO	FC	YES	2 2 2 1	EF-2 EF-8 EST-2 SLT-1	1	D-18	
CV-4-204	2	PLUG	A/O	2	A	A	NO	FC	YES	2 2 2 1	EF-2 EF-8 EST-2 SLT-1	2	D-17	
MOV-4-381	3	GATE	MO	2	A	A	NO	FAI	YES	2 2 1	EF-2 EST-3 SLT-1	3	B-16	
4-297A	1	NEDL	MAN	2	A	A	NO	FAI	NO	2 1	EF-2 SLT-1	4	A-20	

SYSTEM TITLE: CHEM. VOL. CONT. (CVCS)

CHART TITLE: F-503184

PROGRAM TITLE: VALVE TEST PROGRAM

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	RRB NO.	VALVE COORD	REMARKS
4-297B	1	NEDL	MAN	2	A	A	NO	FAI	NO	2 1	EF-2 SLT-1	4	A-19	
4-297C	1	NEDL	MAN	2	A	A	NO	FAI	NO	2 1	EF-2 SLT-1	4	A-18	
HCV-4-121	3	PLUG	A/O	2	A	A	NO	FO	NO	2 2 1	EF-2 EF-8 SLT-1	5	C-17	
4-333	3	GLOBE	MAN	2	A	P	NC	FAI	NO	1	SLT-1	--	C-17	
CV-4-310A	3	PLUG	A/O	1	B	A	NO	FO	YES	2 2 2	EF-2 EF-8 EST-3	6	C-19	
CV-4-310B	3	PLUG	A/O	1	B	A	NC	FO	YES	2 2 2	EF-2 EF-8 EST-3	6	C-19	
LCV-4-115C	4	GATE	MO	2	B	A	NO	FAI	YES	2 2	EF-2 EST-3	7	C-14	

SYSTEM TITLE: CHEM. VOL. CONT. (CVCS)

CHART TITLE: F-503184

PROGRAM TITLE: VALVE TEST PROGRAM

TABLE 1
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.	IST TESTS	RRB NO.	VALVE COORD	REMARKS
LCV-4-115B	4	BUTFY	A/O	2	B	A	NC	FC	YES	2 2 2	EF-2 EF-8 EST-3	8	A-14	
397C	2	CHECK	SA	3	C	A	NC	--	NO	3	EF-1	--	A-7	
397D	2	CHECK	SA	3	C	A	NC	--	NO	3	EF-1	--	A-7	
MOV-4-350	2	GATE	MO	2	B	A	NC	FAI	YES	2 2	EF-2 EST-3	9	A-12	
4-312A	3	CHECK	SA	1	C	A	NC	--	NO	2	EF-2	10	C-19	
4-312B	3	CHECK	SA	1	C	A	NC	--	NO	2	EF-2	10	C-19	
4-351	2	CHECK	SA	2	C	A	NC	--	NO	2	EF-2	11	A-12	
4-357	4	CHECK	SA	2	C	A	NC	--	NO	2	EF-2	12	A-13	

SYSTEM TITLE CHEM. VOL. CONT. (CVCS)

CHART TITLE F-503184

PROGRAM TITLE VALVE TEST PROGRAM

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	RRB NO.	VALVE COORD	REMARKS
4-298A	2	CHECK	SA	1	AC	A	NO	--	NO	1 1	EF-2 SLT-1	13	A-20	
4-298B	2	CHECK	SA	1	AC	A	NO	--	NO	1 1	EF-2 SLT-1	13	A-19	
4-298C	2	CHECK	SA	1	AC	A	NO	--	NO	1 1	EF-2 SLT-1	13	A-18	
4-312C	3	CHECK	SA	1	AC	A	NO	--	NO	1 1	EF-2 SLT-1	14	C-17	

SYSTEM TITLE: CHEM. VOL. CONT. (CVCS)
CHART TITLE: F-503184
PROGRAM TITLE: VALVE TEST PROGRAM

TABLE 11
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	RRB NO.	VALVE COORD	REMARKS
MOV-4-860A	14	GATE	MO	2	B	A	NC	FAI	YES	2 2	EF-2 EST-4	1	A-9	
MOV-4-860B	14	GATE	MO	2	B	A	NC	FAI	YES	2 2	EF-2 EST-4	1	A-9	
MOV-4-861A	14	GATE	MO	2	A	A	NC	FAI	YES	2 2 1	EF-2 EST-4 SLT-1	2	A-8	
MOV-4-861B	14	GATE	MO	2	A	A	NC	FAI	YES	2 2 2	EF-2 EST-4 SLT-1	2	A-8	
MOV-4-880A	6	GATE	MO	2	A	A	NC	FAI	YES	3 3 1	EF-1 EST-6 SLT-1	--	B-7	
MOV-4-880B	6	GATE	MO	2	A	A	NC	FAI	YES	3 3 1	EF-1 EST-6 SLT-1	--	B-7	
MOV-4-863A	8	GATE	MO	2	B/E	A	LC	FAI	YES	2 2 1	EF-2 EST-3 OC-1	3	B-8	

SYSTEM TITLE: SAFETY INJECTION SYSTEM (SIS)

PROGRAM TITLE: VALVE TEST PROGRAM

CHART TITLE: E-503185

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	RRB NO.	VALVE COORD	REMARKS
MOV-4-863B	8	GATE	MO	2	B/E	A	LC	FAI	YES	2 2 1	EF-2 EST-2 OC-1	3	B-8	
MOV-4-872	8	GATE	MO	2	B	A	NC	FAI	YES	2 2	EF-2 EST-3	4	A-7	
MOV-4-869	3	GATE	MO	2	B	A	NC	FAI	YES	3 3	EF-1 EST-3	--	D-12	
MOV-4-867A	4	GATE	MO	2	B	A	NC	FAI	YES	3 3	EF-1 EST-6	--	C-9	
MOV-4-867B	4	GATE	MO	2	B	A	NC	FAI	YES	3 3	EF-1 EST-6	--	C-9	
CV-4-855	1	GLOBE	A/O	2	A	A	NC	FC	YES	2 2 2 1	EF-2 EF-8 EST-2 SLT-1	5	C-9	
CV-4-841A	1	GLOBE	A/O	2	B	A	NO	FC	YES	3 3 3	EF-1 EF-7 EST-2	--	D-9	
CV-4-841B	1	GLOBE	A/O	2	B	A	NO	FC	YES	3 3 3	EF-1 EF-7 EST-2	--	D-9	

SYSTEM TITLE: SAFETY INJECTION SYSTEM (SIS)

CHART TITLE: E-503185

PROGRAM TITLE: VALVE TEST PROGRAM

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	RRB NO.	VALVE COORD	REMARKS
4-895V	3/4	GLOBE	MAN	2	A/E	P	LC	FAI	NO	1 1	SLT-1 OC-1	--	D-12	
MOV-4-866A	2	GLOBE	MO	1	B/E	A	LC	FAI	YES	2 2 1	EF-2 EST-3 OC-1	6	D-15	
MOV-4-866B	2	GLOBE	MO	1	B/E	A	LC	FAI	YES	2 2 1	EF-2 EST-3 OC-1	6	D-15	
MOV-4-843A	4	GATE	MO	2	B	A	NC	FAI	YES	3 3	EF-1 EST-6	--	C-13	
MOV-4-843B	4	GATE	MO	2	B	A	NC	FAI	YES	3 3	EF-1 EST-6	--	C-13	
4-876A	8	CHECK	SA	1	C	A	NC	--	NO	2	EF-2	7	B-15	
4-876B	8	CHECK	SA	1	C	A	NC	--	NO	2	EF-2	7	A-13	
4-876C	8	CHECK	SA	1	C	A	NC	--	NO	2	EF-2	7	A-11	
4-876D	8	CHECK	SA	1	C	A	NC	--	NO	2	EF-2	8	A-13	
4-876E	8	CHECK	SA	1	C	A	NC	--	NO	2	EF-2	8	A-11	

SYSTEM TITLE: SAFETY INJECTION SYSTEM (SIS)

CHART TITLE: E-503185

PROGRAM TITLE: VALVE TEST PROGRAM

TABLE 1
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	RRB NO.	VALVE COORD	REMARKS
879A	3	CHECK	SA	2	C	A	NC	--	NO	3	EF-1	--	D-7	
879B	3	CHECK	SA	2	C	A	NC	--	NO	3	EF-1	--	C-7	
879C	3	CHECK	SA	2	C	A	NC	--	NO	3	EF-1	--	C-7	
879D	3	CHECK	SA	2	C	A	NC	--	NO	3	EF-1	--	C-7	
4-875A	10	CHECK	SA	1	C	A	NC	--	NO	2	EF-2	9	A-16	
4-875B	10	CHECK	SA	1	C	A	NC	--	NO	2	EF-2	9	A-17	
4-875C	10	CHECK	SA	1	C	A	NC	--	NO	2	EF-2	9	A-17	
MOV-4-865A	10	GATE	MO	2	E	P	LO	FAI	YES	1	OC-1	--	B-15	
MOV-4-865B	10	GATE	MO	2	E	P	LO	FAI	YES	1	OC-1	--	B-13	
MOV-4-865C	10	GATE	MO	2	E	P	LO	FAI	YES	1	OC-1	--	B-11	
4-2915	2	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	--	B-10	

SYSTEM TITLE: SAFETY INJECTION SYSTEM (SIS)

CHART TITLE: E-503185

PROGRAM TITLE: VALVE TEST PROGRAM

TABLE 1
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	RRB NO.	VALVE COORD	REMARKS
4-2916	2	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	--	B-9	
4-2917	2	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	--	B-9	
4-885	10	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	--	A-11	
4-887	8	BUTFY	MAN	2	E	P	LO	FAI	NO	1	OC-1	--	B-6	
4-864-C	8	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	--	C-4	
886-A	6	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	--	D-6	
886-B	6	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	--	C-6	
886-C	6	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	--	C-6	
886-D	6	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	--	C-6	
888-A	3	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	--	D-7	
888-B	3	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	--	C-7	

SYSTEM TITLE: SAFETY INJECTION SYSTEM (SIS)

CHART TITLE: E-503185

PROGRAM TITLE: VALVE TEST PROGRAM

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	RRB NO.	VALVE COORD	REMARKS
888-C	3	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	--	C-7	
888-D	3	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	--	C-7	
845-A	4	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	--	D-7	
845-B	4	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	--	C-7	
845-C	4	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	--	C-7	
845-D	4	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	--	C-7	
4-844-A	8	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	--	B-6	
4-844-B	8	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	--	B-6	
4-891-A	6	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	--	B-9	
4-891-B	6	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	--	B-9	

SYSTEM TITLE: SAFETY INJECTION SYSTEM (SIS)

PROGRAM TITLE: VALVE TEST PROGRAM

CHART TITLE: E-503185

TABLE 1
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	RRB NO.	VALVE COORD	REMARKS
4-868A	2	GLOBE	MAN	1	E	P	LO	---	NO	1	OC-1	--	C-15	
4-868B	2	GLOBE	MAN	1	E	P	LO	---	NO	1	OC-1	--	C-15	
4-868C	2	GLOBE	MAN	1	E	P	LO	---	NO	1	OC-1	--	C-15	

SYSTEM TITLE: SAFETY INJECTION SYSTEM (SIS)

CHART TITLE: E-503185

PROGRAM TITLE: VALVE TEST PROGRAM

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	RRB NO.	VALVE COORD	REMARKS
MOV-878A	4	GATE	MO	2	B	A	NO	FAI	YES	1 1	EF-2 EST-3	10	C-7	
MOV-878B	4	GATE	MO	2	B	A	NO	FAI	YES	1 1	EF-2 EST-3	10	C-7	
MOV-4-864A	16	GATE	MO	2	B/E	A	LO	FAI	YES	1 1 1	EF-2 EST-4 OC-1	11	D-2	
MOV-4-864B	16	GATE	MO	2	B/E	A	LO	FAI	YES	1 1 1	EF-2 EST-4 OC-1	11	D-2	
MOV-4-862A	14	GATE	MO	2	B/E	A	LO	FAI	YES	1 1 1	EF-2 EST-5 OC-1	12	A-5	
MOV-4-862B	14	GATE	MO	2	B/E	A	LO	FAI	YES	1 1 1	EF-2 EST-5 OC-1	12	A-5	
SV-4-2905	2	GATE	SO	2	B	A	NC	FAI	NO	1	EF-2	13	C-10	
SV-4-2906	2	GATE	SO	2	B	A	NC	FAI	NO	1	EF-2	13	C-10	
SV-4-2907	2	GATE	SO	2	B	A	NC	FAI	NO	1	EF-2	13	C-9	

SYSTEM TITLE: SAFETY INJECTION SYSTEM (SIS)

PROGRAM TITLE: VALVE TEST PROGRAM

CHART TITLE: E-503185

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	RRB NO.	VALVE COORD	REMARKS
SV-4-2908	2	GATE	SO	2	B	A	NC	FAI	NO	1	EF-2	13	C-9	
SV-4-2909	2	GATE	SO	2	B	A	NC	FAI	NO	1	EF-2	13	C-9	
SV-4-2910	2	GATE	SO	2	B	A	NC	FAI	NO	1	EF-2	13	C-9	
4-2918	2	CHECK	SA	2	C	A	NC	--	NO	1	*	14	B-10	*See Alternate Testing in Request for Relief Basis
4-2919	2	CHECK	SA	2	C	A	NC	--	NO	1	*	14	B-9	
4-2920	2	CHECK	SA	2	C	A	NC	--	NO	1	*	14	B-9	
4-2921	2	CHECK	SA	2	C	A	NC	--	NO	1	*	14	B-10	
4-2922	2	CHECK	SA	2	C	A	NC	--	NO	1	*	14	B-9	
4-2923	2	CHECK	SA	2	C	A	NC	--	NO	1	*	14	B-9	
4-874A	2	CHECK	SA	1	C	A	NC	--	NO	1	EF-2	15	D-17	
4-874B	2	CHECK	SA	1	C	A	NC	--	NO	1	EF-2	15	D-17	

SYSTEM TITLE: SAFETY INJECTION SYSTEM (SIS)
CHART TITLE: E-503185
PROGRAM TITLE: VALVE TEST PROGRAM

TABLE 11
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	RRB NO.	VALVE COORD	REMARKS
4-873A	2	CHECK	SA	1	C	A	NC	--	NO	1	EF-2	16	C-15	
4-873B	2	CHECK	SA	1	C	A	NC	--	NO	1	EF-2	16	C-15	
4-873C	2	CHECK	SA	1	C	A	NC	--	NO	1	EF-2	16	C-14	
4-875D	10	CHECK	SA	1	C	A	NC	--	NO	1	EF-2	17	B-15	
4-875E	10	CHECK	SA	1	C	A	NC	--	NO	1	EF-2	17	B-13	
4-875F	10	CHECK	SA	1	C	A	NC	--	NO	1	EF-2	17	B-11	
4-890A	6	CHECK	SA	2	C	A	NC	--	NO	1	*	18	B-8	* See Alternate Testing in Request for Relief Basis
4-890B	6	CHECK	SA	2	C	A	NC	--	NO	1	*	18	B-8	

SYSTEM TITLE: SAFETY INJECTION SYSTEM (SIS)

CHART TITLE: E-503185

PROGRAM TITLE: VALVE TEST PROGRAM

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	RRB NO.	VALVE COORD	REMARKS
MOV-4-749A	16	GATE	MO	3	B	A	NC	FAI	YES	3 3	EF-1 EST-5	--	D-5	
MOV-4-749B	16	GATE	MO	3	B	A	NC	FAI	YES	3 3	EF-1 EST-5	--	C-6	
CV-4-739	3	GLOBE	A/O	2	B	A	NC	FC	YES	2 2 2	EF-2 EF-8 EST-2	1	B-13	
4-738	3	CHECK	SELF	2	C	A	NC	--	NO	2	EF-2	2	A-17	
MOV-4-716A	6	GATE	MO	3	B	A	NO	FAI	YES	2 2	EF-2 EST-6	3	B-18	
MOV-4-716B	6	GATE	MO	2	B	A	NO	FAI	YES	2 2	EF-2 EST-6	4	B-17	
MOV-4-730	6	GATE	MO	2	B	A	NO	FAI	YES	2 2	EF-2 EST-6	5	C-13	
FCV-4-626	3	GATE	MO	2	B	A	NO	FAI	YES	2 2	EF-2 EST-6	6	B-13	

NOTE:

NO TABLE II VALVES

SYSTEM TITLE: AUX. COOL. COMP. COOL. (ACCC)

CHART TITLE: F-503187

PROGRAM TITLE: VALVE TEST PROGRAM

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	RRB NO.	VALVE COORD	REMARKS
4-702A	16	CHECK	SELF	3	C	A	NO	--	NO	3	EF-1	--	C-11	
4-702B	16	CHECK	SELF	3	C	A	NO	--	NO	3	EF-1	--	B-11	
4-702C	16	CHECK	SELF	3	C	A	NO	--	NO	3	EF-1	--	B-11	
4-710A	4	GATE	MAN	3	E	P	LO	FAI	NO	1	OC-1	--	C-10	
4-710B	4	GATE	MAN	3	E	P	LO	FAI	NO	1	OC-1	--	C-10	
4-770A	2	GATE	MAN	3	E	P	LO	FAI	NO	1	OC-1	--	C-7	
4-770B	2	GATE	MAN	3	E	P	LO	FAI	NO	1	OC-1	--	A-9	
4-770C	2	GATE	MAN	3	E	P	LO	FAI	NO	1	OC-1	--	C-7	
4-770D	2	GATE	MAN	3	E	P	LO	FAI	NO	1	OC-1	--	A-8	
4-787A	16	GATE	MAN	3	B	A	NO	FAI	NO	3	EF-1	--	C-10	

SYSTEM TITLE: AUX. COOL. COMP. COOL (ACCC)

CHART TITLE: E-503188

PROGRAM TITLE: VALVE TEST PROGRAM

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	RRB NO.	VALVE COORD	REMARKS
4-787C	16	GATE	MAN	3	B	A	NO	FAI	NO	3	EF-1	--	C-12	
4-787E	16	GATE	MAN	3	B	A	NO	FAI	NO	3	EF-1	--	C-15	
4-787F	16	GATE	MAN	3	B	A	NO	FAI	NO	3	EF-1	--	C-15	

NOTE:

NO TABLE II VALVES

SYSTEM TITLE AUX. COOL. COMP. COOL. (ACCC)

CHART TITLE E-503188

PROGRAM TITLE VALVE TEST PROGRAM

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	RRB NO.	VALVE COORD	REMARKS
PCV-4-1014	1	GLOBE	A/O	2	A	A	NC	FC	NO	3 3 1	EF-1 EF-7 SLT-1	--	D-6	
CV-4-4658A	3/4	DIAPH	A/O	2	B	A	NO	FC	YES	3 3 3	EF-1 EF-7 EST-2	--	C-7	
CV-4-4658B	3/4	DIAPH	A/O	2	A	A	NO	FC	YES	3 3 3 1	EF-1 EF-7 EST-2 SLT-1	--	C-6	
CV-4-4659A	3/4	DIAPH	A/O	2	B	A	NO	FC	YES	3 3 3	EF-1 EF-7 EST-2	--	C-7	
CV-4-4659B	3/4	DIAPH	A/O	2	A	A	NO	FC	YES	3 3 3 1	EF-1 EF-7 EST-2 SLT-1	--	C-6	
CV-4-4668A	3	DIAPH	A/O	2	B	A	NO	FC	YES	3 3 3	EF-1 EF-7 EST-2	--	B-7	

SYSTEM TITLE: WASTE DISPOSAL-LIQUID

CHART TITLE: F-503189

PROGRAM TITLE: VALVE TEST PROGRAM

TABLE 1
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	RRB NO.	VALVE COORD	REMARKS
CV-4-4668B	3	DIAPH	A/O	2	A	A	NO	FC	YES	3 3 3 1	EF-1 EF-7 EST-2 SLT-1	--	B-6	

NOTE:

NO TABLE II VALVES

SYSTEM TITLE: WASTE DISPOSAL-LIQUID

CHART TITLE: F-503189

PROGRAM TITLE: VALVE TEST PROGRAM

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	RRB NO.	VALVE COORD	REMARKS
CV-4-519A	3	DIAPH	A/O	2	A	A	NO	FC	YES	2 2 2 1	EF-2 EF-8 EST-4 SLT-1	1	A-12	
4-518	3/4	CHECK	SELF	2	AC	A	NC	--	NO	2 1	EF-2 SLT-1	2	A-11	
CV-4-516	3/8	GLOBE	A/O	2	A	A	NC	FC	YES	3 3 3 1	EF-1 EF-7 EST-2 SLT-1	--	A-12	
RV-4-551A	4	SAFE	SA	1	C	A	NC	--	NO	1	TF-1	--	A-7	
RV-4-551B	4	SAFE	SA	1	C	A	NC	--	NO	1	TF-1	--	A-7	
RV-4-551C	4	SAFE	SA	1	C	A	NC	--	NO	1	TF-1	--	A-6	

NOTE:
NO TABLE II VALVES

SYSTEM TITLE: REACTOR COOLANT (RCS)
CHART TITLE: F-503191
PROGRAM TITLE: VALVE TEST PROGRAM

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	RRB NO.	VALVE COORD	REMARKS
CV-4-956A	3/8	GLOBE	A/O	2	A	A	NC	FC	YES	2 2 2 1	EF-2 EF-8 EST-2 SLT-1	1	H-11	
CV-4-956B	3/8	GLOBE	A/O	2	A	A	NC	FC	YES	2 2 2 1	EF-2 EF-8 EST-2 SLT-1	1	H-11	
CV-4-956C	3/8	GLOBE	A/O	2	A	A	NC	FC	YES	2 2 2 1	EF-2 EF-8 EST-2 SLT-1	1	G-11	
CV-4-956D	3/8	GLOBE	A/O	2	A	A	NC	FC	YES	2 2 2 1	EF-2 EF-8 EST-2 SLT-1	1	F-11	

NOTE:

NO TABLE II VALVES

SYSTEM TITLE: SAMPLING (SS)

CHART TITLE: F-503193

PROGRAM TITLE: VALVE TEST PROGRAM

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.	IST TESTS	RRB NO.	VALVE COORD	REMARKS
4-753A	10	CHECK	SA	2	C	A	NC	--	NO	3	EF-1	--	F-7	
4-753B	10	CHECK	SA	2	C	A	NC	--	NO	3	EF-1	--	H-7	
HCV-4-758	12	BUTFY	A/O	2	E	P	LO	FO	NO	1	OC-1	--	G-11	
4-741A	2	GLOBE	MAN	2	B/E	A	LO	FAI	NO	3 1	EF-1 OC-1	--	D-11	
MOV-4-744A	10	GATE	MO	2	B	A	NC	FAI	YES	2 2	EF-2 EST-3	1	B-12	
MOV-4-744B	10	GATE	MO	2	B	A	NC	FAI	YES	2 2	EF-2 EST-3	1	B-12	

SYSTEM TITLE: AUX. COOL. RES. HEAT REM. (RHR)

CHART TITLE: F-503194

PROGRAM TITLE: VALVE TEST PROGRAM

TABLE 1
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	RRB NO.	VALVE COORD	REMARKS
4-752A	14	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	--	E-5	
4-752B	14	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	--	G-5	
4-754A	10	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	--	F-8	
4-754B	10	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	--	H-8	
4-757A	10	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	--	F-9	
4-757B	10	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	--	H-9	
4-759A	10	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	--	F-10	
4-759B	10	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	--	H-10	

SYSTEM TITLE: AUX. COOL. RES. HEAT REM. (RHR)

PROGRAM TITLE: VALVE TEST PROGRAM

CHART TITLE: F-503194

TABLE 1
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	RRB NO.	VALVE COORD	REMARKS
MOV-4-751	14	GATE	MO	1	AE	A	LC	FAI	YES	1 1 1 1	EF-5 EST-5 SLT-1 OC-1	2	C-5	
MOV-4-750	14	GATE	MO	1	B	A	NC	FAI	YES	1 1	EF-5 EST-5	3	B-5	

SYSTEM TITLE: AUX. COOL. RES. HEAT REM.
CHART TITLE: F-503194
PROGRAM TITLE: VALVE TEST PROGRAM

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	RRB NO.	VALVE COORD	REMARKS
NO TABLE I OR TABLE II VALVES														

SYSTEM TITLE AUX. COOLANT SPENT FUEL

CHART TITLE F-503195

PROGRAM TITLE VALVE TEST PROGRAM

TABLE 1
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	RRB NO.	VALVE COORD	REMARKS
POV-4-2604	26	POWER ASST'D CHECK	A/CYL	2	C	A	NO	FC	YES	2 2 2	EF-2 EF-8 EST-1	1	B-9	
POV-4-2605	26	POWER ASST'D CHECK	A/CYL	2	C	A	NO	FC	YES	2 2 2	EF-2 EF-8 EST-1	1	B-10	
POV-4-2606	26	POWER ASST'D CHECK	A/CYL	2	C	A	NO	FC	YES	2 2 2	EF-2 EF-8 EST-1	1	B-11	
MOV-4-1403	3	GATE	MO	2	B	A	NC	FAI	YES	3 3	EF-1 EST-3	--	C-12	
MOV-4-1404	3	GATE	MO	2	B	A	NC	FAI	YES	3 3	EF-1 EST-3	--	D-12	
MOV-4-1405	3	GATE	MO	2	B	A	NC	FAI	YES	3 3	EF-1 EST-3	--	D-12	
RV-4-1400	6	RELIEF	SELF	2	C	A	NC	--	NO	1	TF-1	--	C-10	
RV-4-1401	6	RELIEF	SELF	2	C	A	NC	--	NO	1	TF-1	--	C-9	

SYSTEM TITLE: STEAM SYSTEM
CHART TITLE: F-502027
PROGRAM TITLE: VALVE TEST PROGRAM

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	RRB NO.	VALVE COORD	REMARKS
RV-4-1402	6	RELIEF	SELF	2	C	A	NC	--	NO	1	TF-1	--	C-10	
RV-4-1403	6	RELIEF	SELF	2	C	A	NC	--	NO	1	TF-1	--	C-9	
RV-4-1405	6	RELIEF	SELF	2	C	A	NC	--	NO	1	TF-1	--	B-10	
RV-4-1406	6	RELIEF	SELF	2	C	A	NC	--	NO	1	TF-1	--	B-10	
RV-4-1407	6	RELIEF	SELF	2	C	A	NC	--	NO	1	TF-1	--	B-11	
RV-4-1408	6	RELIEF	SELF	2	C	A	NC	--	NO	1	TF-1	--	B-10	
RV-4-1410	6	RELIEF	SELF	2	C	A	NC	--	NO	1	TF-1	--	C-11	
RV-4-1411	6	RELIEF	SELF	2	C	A	NC	--	NO	1	TF-1	--	C-11	
RV-4-1412	6	RELIEF	SELF	2	C	A	NC	--	NO	1	TF-1	--	C-11	
RV-4-1413	6	RELIEF	SELF	2	C	A	NC	--	NO	1	TF-1	--	C-10	
RV-3440	4	RELIEF	SELF	3	C	A	NC	--	NO	1	TF-1	--	E-12	

SYSTEM TITLE: STEAM SYSTEM
CHART TITLE: F-502027
PROGRAM TITLE: VALVE TEST PROGRAM

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	RRB NO.	VALVE COORD	REMARKS
RV-3441	4	RELIEF	SELF	3	C	A	NC	--	NO	1	TF-1	--	E-12	
RV-3442	4	RELIEF	SELF	3	C	A	NC	--	NO	1	TF-1	--	F-12	
4-10-083	4	CHECK	SELF	3	C	A	NC	--	NO	3	EF-1	--	E-12	
4-10-085	4	CHECK	SELF	3	C	A	NC	--	NO	3	EF-1	--	E-12	
4-10-087	4	CHECK	SELF	3	C	A	NC	--	NO	3	EF-1	--	F-12	
4-10-82A	4	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	--	E-11	
4-10-82B	4	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	--	E-11	
4-10-84A	4	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	--	E-11	
4-10-84B	4	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	--	E-11	
4-10-86A	4	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	--	F-11	
4-10-86B	4	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	--	F-11	

SYSTEM TITLE: STEAM SYSTEM
CHART TITLE: F-502027
PROGRAM TITLE: VALVE TEST PROGRAM

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	RRB NO.	VALVE COORD	REMARKS
4-10-119	3	S/CHK	MAN/SA	3	E/C	A	LO/NC	--	NO	1 3	OC-1 EF-1	--	C-12	
4-10-219	3	S/CHK	MAN/SA	3	E/C	A	LO/NC	--	NO	1 3	OC-1 EF-1	--	D-12	
4-10-319	3	S/CHK	MAN/SA	3	E/C	A	LO/NC	--	NO	1 3	OC-1 EF-1	--	D-12	
4-10-120	4	S/CHK	MAN/SA	3	E/C	A	LO/NC	--	NO	1 3	OC-1 EF-1	--	C-12	
4-10-220	4	S/CHK	MAN/SA	3	E/C	A	LO/NC	--	NO	1 3	OC-1 EF-1	--	D-12	
4-10-320	4	S/CHK	MAN/SA	3	E/C	A	LO/NC	--	NO	1 3	OC-1 EF-1	--	D-12	

NOTE:
NO TABLE II VALVES

SYSTEM TITLE: STEAM SYSTEM
CHART TITLE: F-502027

PROGRAM TITLE: VALVE TEST PROGRAM

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	RRB NO.	VALVE COORD	REMARKS
MOV-4-1425	1	GATE	MO	2	B	A	NO	FAI	YES	2 2	EF-2 EST-3	1	E-11	
MOV-4-1426	1	GATE	MO	2	B	A	NO	FAI	YES	2 2	EF-2 EST-3	1	F-11	
MOV-4-1427	1	GATE	MO	2	B	A	NO	FAI	YES	2 2	EF-2 EST-3	1	F-11	
MOV-4-1410	2	GLOBE	MO	2	B	A	NO	FAI	YES	2 2	EF-2 EST-3	2	C-10	
MOV-4-1411	2	GLOBE	MO	2	B	A	NO	FAI	YES	2 2	EF-2 EST-3	2	C-10	
MOV-4-1412	2	GLOBE	MO	2	B	A	NO	FAI	YES	2 2	EF-2 EST-3	2	C-11	
CV-4-2900	14	CHECK	A/O	2	C	A	NO	FAI	NO	2	EF-2	3	D-7	
CV-4-2901	14	CHECK	A/O	2	C	A	NO	FAI	NO	2	EF-2	3	D-8	
CV-4-2902	14	CHECK	A/O	2	C	A	NO	FAI	NO	2	EF-2	3	D-9	

SYSTEM TITLE: CONDENSATE AND FEEDWATER

CHART TITLE: F-502028

PROGRAM TITLE: VALVE TEST PROGRAM

TABLE 1
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	RRB NO.	VALVE COORD	REMARKS
CV-4-2816	4	PLUG	AO	2	B	A	NC	FC	NO	3 3	EF-1 EF-7	--	B-10	
CV-4-2817	4	PLUG	AO	2	B	A	NC	FC	NO	3 3	EF-1 EF-7	--	B-11	
CV-4-2818	4	PLUG	AO	2	B	A	NC	FC	NO	3 3	EF-1 EF-7	--	C-11	
CV-4-2831	4	PLUG	AO	2	B	A	NC	FC	NO	3 3	EF-1 EF-7	--	B-10	
CV-4-2832	4	PLUG	AO	2	B	A	NC	FC	NO	3 3	EF-1 EF-7	--	B-11	
CV-4-2833	4	PLUG	AO	2	B	A	NC	FC	NO	3 3	EF-1 EF-7	--	C-11	
20-143	6	CHECK	SELF	3	C	A	NC	--	NO	3	EF-1	--	B-12	
20-243	6	CHECK	SELF	3	C	A	NC	--	NO	3	EF-1	--	C-12	
20-343	6	CHECK	SELF	3	C	A	NC	--	NO	3	EF-1	--	D-12	

SYSTEM TITLE: CONDENSATE AND FEEDWATER

CHART TITLE: F-502028

PROGRAM TITLE: VALVE TEST PROGRAM

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	RRB NO.	VALVE COORD	REMARKS
4-20-140	4	CHECK	S/A	2	C	A	NC	--	NO	3	EF-1	--	B-10	
4-20-240	4	CHECK	S/A	2	C	A	NC	--	NO	3	EF-1	--	B-10	
4-20-340	4	CHECK	S/A	2	C	A	NC	--	NO	3	EF-1	--	C-11	
4-20-401	8	CHECK	S/A	3	C	A	NC	--	NO	3	EF-1	--	A-11	
4-20-139	1	GLOBE	MAN	2	E	P	LO	FAI	NO	1	OC-1	--	C-10	
4-20-239	1	GLOBE	MAN	2	E	P	LO	FAI	NO	1	OC-1	--	C-10	
4-20-339	1	GLOBE	MAN	2	E	P	LO	FAI	NO	1	OC-1	--	C-10	
4-20-141	4	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	--	B-11	
4-20-241	4	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	--	B-12	
4-20-341	4	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	--	C-12	
4-20-142	6	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	--	B-12	

SYSTEM TITLE: CONDENSATE AND FEEDWATER

CHART TITLE: F-502028

PROGRAM TITLE: VALVE TEST PROGRAM

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	RRB NO.	VALVE COORD	REMARKS
4-20-242	6	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	--	C-12	
4-20-342	6	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	--	D-12	
4-20-144	6	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	--	B-13	
4-20-244	6	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	--	C-13	
4-20-344	6	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	--	D-13	
4-20-400	10	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	--	A-12	

NOTE:

- NO TABLE II VALVES

SYSTEM TITLE: CONDENSATE AND FEEDWATER

CHART TITLE: F-502028

PROGRAM TITLE: VALVE TEST PROGRAM

TABLE 1
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	RRB NO.	VALVE COORD	REMARKS
4-40-204	2	GATE	MAN	2	AE	A	LC	FAI	NO	2 1 1	EF-2 OC-1 SLT-1	1	A-10	
4-40-205	2	CHECK	SELF	2	AC	A	NC	--	NO	2 1	EF-2 SLT-1	2	A-11	
4-40-203	2	GATE	MAN	2	BE	A	LC	FAI	NO	2 1	EF-2 OC-1	3	A-10	
CV-4-2803	2	PLUG	A/O	2	AE	P	LO	FO	NO	1 1	OC-1 SLT-1	--	C-8	

SYSTEM TITLE: LUBE OIL, SERVICE & INSTR. AIR

CHART TITLE: F-502030

PROGRAM TITLE: VALVE TEST PROGRAM

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	RRB NO.	VALVE COORD	REMARKS
4-40-336	2	CHECK	SA	2	AC	A	NO	--	NO	1 1	EF-2 SLT-1	4	C-8	

SYSTEM TITLE LUBE OIL SERVICE & INSTR. AIR

CHART TITLE F-502030

PROGRAM TITLE VALVE TEST PROGRAM

TABLE 1I
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	RRB NO.	VALVE COORD	REMARKS
4-50-311	24	CHECK	SA	3	C	A	NO	--	NO	3	EF-1	--	F-3	
4-50-321	24	CHECK	SA	3	C	A	NO	--	NO	3	EF-1	--	F-4	
4-50-331	24	CHECK	SA	3	C	A	NO	--	NO	3	EF-1	--	F-5	

NOTE:

NO TABLE II VALVES

SYSTEM TITLE: INTAKE COOL WATER

CHART TITLE: F-502031

PROGRAM TITLE: VALVE TEST PROGRAM

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	RRB NO.	VALVE COORD	REMARKS
70-006A	2	CHECK	SELF	3	C	A	NC	--	NO	3	EF-1	--	B-4	
70-006B	2	CHECK	SELF	3	C	A	NC	--	NO	3	EF-1	--	B-4	
CV-2046A	2	PLUG	A/O	3	B	A	NC	--	NO	3	EF-1	--	C-3	
CV-2046B	2	PLUG	A/O	3	B	A	NC	--	NO	3	EF-1	--	C-5	
SV-3522A	1 1/2	GLOBE	SO	3	B	A	NC	--	NO	3	EF-1	--	D-4	
SV-3522B	1 1/2	GLOBE	SO	3	B	A	NC	--	NO	3	EF-1	--	D-5	

NOTE:

NO TABLE II VALVES

SYSTEM TITLE: DIESEL OIL

CHART TITLE: F-502033

PROGRAM TITLE: VALVE TEST PROGRAM

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.	IST TESTS	RRB NO.	VALVE COORD	REMARKS
MOV-4-1417	10	GATE	MO	2	B	A	NO	FAI	YES	2 2	EF-2 EST-4	1	B-8	
MOV-4-1418	10	GATE	MO	2	B	A	NO	FAI	YES	2 2	EF-2 EST-4	1	C-10	
CV-4-2903	10	BUTFY	A/O	2	B	A	NO	FO	YES	3 3 3	EF-1 EF-7 EST-3	--	A-8	
CV-4-2904	10	BUTFY	A/O	2	B	A	NO	FO	YES	3 3 3	EF-1 EF-7 EST-3	--	B-8	
CV-4-2905	10	BUTFY	A/O	2	B	A	NO	FO	YES	3 3 3	EF-1 EF-7 EST-3	--	B-8	
CV-4-2906	10	BUTFY	A/O	2	B	A	NC	FO	YES	3 3 3	EF-1 EF-7 EST-3	--	A-11	
CV-4-2907	10	BUTFY	A/O	2	B	A	NC	FO	YES	3 3 3	EF-1 EF-7 EST-3	--	B-11	

SYSTEM TITLE: PRIMARY MAKEUP AND CONT. COOL.

CHART TITLE: F-502036

PROGRAM TITLE: VALVE TEST PROGRAM

TABLE 1
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	RRB NO.	VALVE COORD	REMARKS
CV-4-2908	10	BUTFY	A/O	2	B	A	NC	FO	YES	3 3 3	EF-1 EF-7 EST-3	--	C-11	
CV-4-2810	6	PLUG	A/O	2	B	A	NO	FC	YES	3 3 3	EF-1 EF-7 EST-3	--	A-11	
CV-4-2812	6	PLUG	A/O	2	B	A	NO	FC	YES	3 3 3	EF-1 EF-7 EST-3	--	B-11	
CV-4-2814	6	PLUG	A/O	2	B	A	NO	FC	YES	3 3 3	EF-1 EF-7 EST-3	--	B-11	
4-10-567	2	CHECK	SELF	2	AC	P	NC	--	NO	1	SLT-1	--	D-6	

NOTE:

NO TABLE II VALVES

SYSTEM TITLE: PRIMARY MAKEUP AND CONT. COOL.

PROGRAM TITLE: VALVE TEST PROGRAM

CHART TITLE: F-502036

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	RRB NO.	VALVE COORD	REMARKS
HV-4-1	2	DIAPH	MAN	2	E	A	LC	FAI	NO	2 1	EF-2 OC-1	1	F-10	
HV-4-2	2	DIAPH	MAN	2	AE	A	LC	FAI	NO	2 1 1	EF-2 OC-1 SLT-1	2	F-10	
HV-4-3	2	DIAPH	MAN	2	E	A	LC	FAI	NO	2 1	EF-2 OC-1	1	F-10	
HV-4-4	2	DIAPH	MAN	2	AE	A	LC	FAI	NO	2 1 1	EF-2 OC-1 SLT-1	2	F-10	
POV-4-2600	48	BUTFY	AO	2	A	P	NC	FC	YES	1	SLT-1	--	B-2	
POV-4-2601	48	BUTFY	AO	2	A	P	NC	FC	YES	1	SLT-1	--	B-3	
POV-4-2602	54	BUTFY	AO	2	A	P	NC	FC	YES	1	SLT-1	--	D-2	
POV-4-2603	54	BUTFY	AO	2	A	P	NC	FC	YES	1	SLT-1	--	D-3	

SYSTEM TITLE: CONTAINMENT VENTILATION

CHART TITLE: F-502037

PROGRAM TITLE: VALVE TEST PROGRAM

TABLE 1
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	RRB NO.	VALVE COORD	REMARKS
CV-4-2819	2	PLUG	AO	2	A	A	NO	FC	YES	3 3 3 1	EF-1 EF-7 EST-3 SLT-1	--	D-2	
CV-4-2826	2	PLUG	AO	2	A	A	NO	FC	YES	3 3 3 1	EF-1 EF-7 EST-3 SLT-1	--	D-1	
SV-4-2911	1	PLUG	SO	2	A	A	NO	FC	YES	3 3 3 1	EF-1 EF-7 EST-3 SLT-1	--	C-8	
SV-4-2912	1	PLUG	SO	2	A	A	NO	FC	YES	3 3 3 1	EF-1 EF-7 EST-3 SLT-1	--	D-8	
SV-4-2913	1	PLUG	SO	2	B	A	NO	FC	YES	3 3 3	EF-1 EF-7 EST-3	--	C-8	

SYSTEM TITLE: CONTAINMENT VENTILATION

CHART TITLE: F-502037

PROGRAM TITLE: VALVE TEST PROGRAM

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	RRB NO.	VALVE COORD	REMARKS
4-11-003	2	CHECK	S/A	2	A/C	A	NO	--	NO	1 1	EF-2 SLT-1	3	D-7	

SYSTEM TITLE: CONTAINMENT VENTILATION SYSTEM
CHART TITLE: F-502037
PROGRAM TITLE: VALVE TEST PROGRAM

TABLE 1.1
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	RRB NO.	VALVE COORD	REMARKS
CV-4-2821	3	PLUG	A/O	2	A	A	NO	FC	YES	3 3 3 1	EF-1 EF-7 EST-2 SLT-1	--	C-9	
CV-4-2822	3	PLUG	A/O	2	A	A	NO	FC	YES	3 3 3 1	EF-1 EF-7 EST-2 SLT-1	--	C-9	

NOTE:

NO TABLE II VALVES

SYSTEM TITLE: CONT. & RADWASTE DRAINS & VENTS

CHART TITLE: F-502038

PROGRAM TITLE: VALVE TEST PROGRAM

TABLE I
TESTS TO CODE

FLORIDA POWER & LIGHT COMPANY

PENE. NO.	VALVE NUMBER	LEAKAGE CC/MIN	PENE. NO.	VALVE NUMBER	LEAKAGE CC/MIN	PENE. NO.	VALVE NUMBER	LEAKAGE CC/MIN
1	MOV-4-751	10,000	19A	MOV-4-880A	5,000	33	SV-4-2911	2,000
5	CV-4-516	500	19B	MOV-4-880B	5,000	34	4-40-204	2,000
6	CK-4-518	2,500	20	CV-4-956C	1,000	34	4-40-205	2,000
7	CV-4-519A	2,000	23	CV-4-2821	2,000	35	POV-4-2600	15,000
8	CV-4-956A	1,000	23	CV-4-2822	2,000	35	POV-4-2601	15,000
9	CV-4-956B	1,000	24A	4-297A	1,000	36	POV-4-2602	15,000
10	CV-4-4658B	500	24A	CK-4-298A	2,000	36	POV-4-2603	15,000
10	PCV-4-1014	2,000	24B	4-297B	1,000	42	CV-4-855	500
14	CV-4-200A	3,000	24B	CK-4-298B	2,000	47	CK-4-10-567	4,000
14	CV-4-200B	3,000	24C	4-297C	1,000	51	HV-4-4	1,000
14	CV-4-200C	3,000	24C	CK-4-298C	2,000	52	CV-4-4668B	2,000
14	CV-4-204	1,000	25	MOV-4-381	2,000	54A	MOV-4-861A	7,000
15	HCV-4-121	2,000	29	CV-4-2803	2,000	54B	MOV-4-861B	7,000
15	4-333	2,000	29	CK-4-40-336	4,000	55	CV-4-956D	1,000
15	CK-4-312C	4,000	31	CV-4-4659B	500	63	CV-4-2819	2,000
16	HV-4-2	1,000	32	CK-4-11-003	2,000	63	CV-4-2826	2,000
17	4-895V	500	32	SV-4-2912	2 000			

SYSTEM TITLE: VARIOUS

CHART TITLE: VARIOUS

PROGRAM TITLE: VALVE TEST PROGRAM

TABLE I.A
VALVE LEAKAGE RATES

FLORIDA POWER & LIGHT COMPANY

PENE. NO.	VALVE NUMBER	LEAKAGE CC/MIN	PENE. NO.	VALVE NUMBER	LEAKAGE CC/MIN	PENE. NO.	VALVE NUMBER	LEAKAGE CC/MIN
1	MOV-4-751	10,000	19A	MOV-4-880A	5,000	33	SV-4-2911	2,000
5	CV-4-516	500	19B	MOV-4-880B	5,000	34	4-40-204	2,000
6	CK-4-518	2,500	20	CV-4-956C	1,000	34	4-40-205	2,000
7	CV-4-519A	2,000	23	CV-4-2821	2,000	35	POV-4-2600	15,000
8	CV-4-956A	1,000	23	CV-4-2822	2,000	35	POV-4-2601	15,000
9	CV-4-956B	1,000	24A	4-297A	1,000	36	POV-4-2602	15,000
10	CV-4-4658B	500	24A	CK-4-298A	2,000	36	POV-4-2603	15,000
10	PCV-4-1014	2,000	24B	4-297B	1,000	42	CV-4-855	500
14	CV-4-200A	3,000	24B	CK-4-298B	2,000	47	CK-4-10-567	4,000
14	CV-4-200B	3,000	24C	4-297C	1,000	51	HV-4-4	1,000
14	CV-4-200C	3,000	24C	CK-4-298C	2,000	52	CV-4-4668B	2,000
14	CV-4-204	1,000	25	MOV-4-381	2,000	54A	MOV-4-861A	7,000
15	HCV-4-121	2,000	29	CV-4-2803	2,000	54B	MOV-4-861B	7,000
15	4-333	2,000	29	CK-4-40-336	4,000	55	CV-4-956D	1,000
15	CK-4-312C	4,000	31	CV-4-4659B	500	63	CV-4-2819	2,000
16	HV-4-2	1,000	32	CK-4-11-003	2,000	63	CV-4-2826	2,000
17	4-895V	500	32	SV-4-2912	2 000			

SYSTEM TITLE: VARIOUS

PROGRAM TITLE: VALVE TEST PROGRAM

CHART TITLE: VARIOUS

TABLE I.A
VALVE LEAKAGE RATES

FLORIDA POWER & LIGHT COMPANY

PUMP	PUMP NO.	TEST PARAMETERS					
		Speed, N	Inlet Pressure, P_i	Differential Pressure, ΔP	Flow Rate, Q	Vibration Amplitude, V	Bearing Temperature, T_b (1)
Auxiliary Feed	P2A	Yes	Yes	Yes	Yes(3)	Yes	Yes
	P2B	Yes	Yes	Yes	Yes(3)	Yes	Yes
	P2C	Yes	Yes	Yes	Yes(3)	Yes	Yes
Intake Cooling Water	4-P9A	No	Yes	Yes	Yes(3)	Yes	NO
	4-P9B	No	Yes	Yes	Yes(3)	Yes	NO
	4-P9C	No	Yes	Yes	Yes(3)	Yes	NO
Residual Heat Removal	4-P210A	No	Yes	Yes	No(2)	Yes	No
	4-P210B	No	Yes	Yes	No(2)	Yes	No
Component Cooling	4-P211A	No	Yes	Yes	Yes(3)	Yes	Yes
	4-P211B	No	Yes	Yes	Yes(3)	Yes	Yes
	4-P211C	No	Yes	Yes	Yes(3)	Yes	Yes
Containment Spray	4-P214A	No	Yes	Yes	No(2)	Yes	Yes
	4-P214B	No	Yes	Yes	No(2)	Yes	Yes

PROGRAM TITLE: PUMP TEST PROGRAM

TABLE IV

FLORIDA POWER & LIGHT COMPANY

PUMP	PUMP NO.	TEST PARAMETERS					
		Speed, N	Inlet Pressure, P_I	Differential Pressure, ΔP	Flow Rate, Q	Vibration Amplitude, V	Bearing Temperature, T_b (1)
High Head Safety Injection	P215A	No	Yes	Yes	No(2)	Yes	Yes
	P215B	No	Yes	Yes	No(2)	Yes	Yes
	P215C	No	Yes	Yes	No(2)	Yes	Yes
	P215D	No	Yes	Yes	No(2)	Yes	Yes

NOTE (1): BEARING TEMPERATURE, T_b, IS MEASURED ONLY ON THE ANNUAL TEST.

NOTE (2): FIXED HYD. RESISTANCE SYSTEM

NOTE (3): VARIABLE HYD. RESISTANCE SYSTEM

PROGRAM TITLE: PUMP TEST PROGRAM

TABLE IV

ATTACHMENT B-1

Re: Turkey Point Unit 4
Docket No. 50-251
Revised Pump and Valve Test Program

BASES FOR RELIEF REQUESTS

RELIEF REQUEST BASIS

SYSTEM: Chemical and Volume Control

1. Valve: CV-4-200A, CV-4-200B, and CV-4-200C
   Category: A
   Class: 1

   Function: Provides parallel letdown flow paths through the letdown orifices to control Chemical and Volume Control System letdown flow rate.

   Test Requirements: IWV-3410

   Basis for Relief: Testing these valves during plant operation would cause an unbalanced flow condition in the Chemical and Volume Control System. This could interrupt flow to the Reactor Coolant Pump Controlled Leakage Seal System, which could result in damage to the Reactor Coolant pumps; thereby, placing the plant in an unsafe mode of operation..

   Alternate Testing: These valves will be tested during cold shutdowns.

2. Valve: CV-4-204
   Category: A
   Class: 2

   Function: Provides the letdown flow path during plant operation.

   Test Requirement: IWV-3410

   Basis for Relief: Testing this valve during plant operation would cause an unbalanced flow condition in the Chemical and Volume Control System. This would interrupt flow to the Reactor Coolant Pump Controlled Leakage Seal System. This could result in damage to the Reactor Coolant pumps; thereby, placing the plant in an unsafe mode of operation. The loss of the letdown flow path will result in the loss of the regenerative heat exchanger function. This could subject the Reactor Coolant System piping to thermal shock due to cooler charging return flow from the Chemical and Volume Control System.

   Alternate Testing: This valve will be tested during cold shutdowns.

RELIEF REQUEST BASIS

SYSTEM: Chemical and Volume Control

3. Valve: MOV-4-381
   Category: A
   Class: 2

   Function: Provides the Reactor Coolant Pump seal injection return flow path to the Chemical and Volume Control System Volume Control Tank. In addition, provides the excess letdown flow path from the Reactor Coolant System to the Chemical and Volume Control System Volume Control Tank.

   Test Requirement: IWV-3410

   Basis for Relief: Testing this valve during plant operation would interrupt flow to the Reactor Coolant Pump Controlled Leakage Seal System, which could result in damage to the Reactor Coolant pumps; thereby, placing the plant in an unsafe mode of operation.

   Alternate Testing: This valve will be tested during cold shutdowns.

4. Valve: 4-297A, 4-297B, and 4-297C
   Category: A
   Class: 2

   Function: Provides the seal injection supply flow path to associated Reactor Coolant pump. Each valve is manually adjusted to ensure proper seal injection flow rate to the associated Reactor Coolant pump.

   Test Requirement: IWV-3410

   Basis for Relief: Testing these valves during plant operation would interrupt flow to the Reactor Coolant Pump Controlled Leakage Seal System, which could result in damage to the Reactor Coolant pumps; thereby, placing the plant in an unsafe mode of operation.

   Alternate Testing: These valves will be tested during cold shutdowns.

FLORIDA POWER & LIGHT COMPANY

PUMP	PUMP NO.	TEST PARAMETERS					
		Speed, N	Inlet Pressure, P_i	Differential Pressure, ΔP	Flow Rate, Q	Vibration Amplitude, V	Bearing Temperature, T_b (1)
Auxiliary Feed	P2A	Yes	Yes	Yes	Yes(3)	Yes	Yes
	P2B	Yes	Yes	Yes	Yes(3)	Yes	Yes
	P2C	Yes	Yes	Yes	Yes(3)	Yes	Yes
Intake Cooling Water	4-P9A	No	Yes	Yes	Yes(3)	Yes	NO
	4-P9B	No	Yes	Yes	Yes(3)	Yes	NO
	4-P9C	No	Yes	Yes	Yes(3)	Yes	NO
Residual Heat Removal	4-P210A	No	Yes	Yes	No(2)	Yes	No
	4-P210B	No	Yes	Yes	No(2)	Yes	No
Component Cooling	4-P211A	No	Yes	Yes	Yes(3)	Yes	Yes
	4-P211B	No	Yes	Yes	Yes(3)	Yes	Yes
	4-P211C	No	Yes	Yes	Yes(3)	Yes	Yes
Containment Spray	4-P214A	No	Yes	Yes	No(2)	Yes	Yes
	4-P214B	No	Yes	Yes	No(2)	Yes	Yes

PROGRAM TITLE: PUMP TEST PROGRAM

TABLE IV

FLORIDA POWER & LIGHT COMPANY

PUMP	PUMP NO.	TEST PARAMETERS					
		Speed, N	Inlet Pressure, P_i	Differential Pressure, ΔP	Flow Rate, Q	Vibration Amplitude, V	Bearing Temperature, T_b (1)
High Head Safety Injection	P215A	No	Yes	Yes	No(2)	Yes	Yes
	P215B	No	Yes	Yes	No(2)	Yes	Yes
	P215C	No	Yes	Yes	No(2)	Yes	Yes
	P215D	No	Yes	Yes	No(2)	Yes	Yes

NOTE (1): BEARING TEMPERATURE, T_b, IS MEASURED ONLY ON THE ANNUAL TEST.

NOTE (2): FIXED HYD. RESISTANCE SYSTEM

NOTE (3): VARIABLE HYD. RESISTANCE SYSTEM

PROGRAM TITLE: PUMP TEST PROGRAM

TABLE IV

ATTACHMENT B-1

Re: Turkey Point Unit 4
Docket No. 50-251
Revised Pump and Valve Test Program

BASES FOR RELIEF REQUESTS

RELIEF REQUEST BASIS

SYSTEM: Chemical and Volume Control

1. Valve: CV-4-200A, CV-4-200B, and CV-4-200C
   Category: A
   Class: 1

   Function: Provides parallel letdown flow paths through the letdown orifices to control Chemical and Volume Control System letdown flow rate.

   Test Requirements: IWV-3410

   Basis for Relief: Testing these valves during plant operation would cause an unbalanced flow condition in the Chemical and Volume Control System. This could interrupt flow to the Reactor Coolant Pump Controlled Leakage Seal System, which could result in damage to the Reactor Coolant pumps; thereby, placing the plant in an unsafe mode of operation.

   Alternate Testing: These valves will be tested during cold shutdowns.

2. Valve: CV-4-204
   Category: A
   Class: 2

   Function: Provides the letdown flow path during plant operation.

   Test Requirement: IWV-3410

   Basis for Relief: Testing this valve during plant operation would cause an unbalanced flow condition in the Chemical and Volume Control System. This would interrupt flow to the Reactor Coolant Pump Controlled Leakage Seal System. This could result in damage to the Reactor Coolant pumps; thereby, placing the plant in an unsafe mode of operation. The loss of the letdown flow path will result in the loss of the regenerative heat exchanger function. This could subject the Reactor Coolant System piping to thermal shock due to cooler charging return flow from the Chemical and Volume Control System.

   Alternate Testing: This valve will be tested during cold shutdowns.

RELIEF REQUEST BASIS

SYSTEM: Chemical and Volume Control

3. Valve: MOV-4-381
   Category: A
   Class: 2

   Function: Provides the Reactor Coolant Pump seal injection return flow path to the Chemical and Volume Control System Volume Control Tank. In addition, provides the excess letdown flow path from the Reactor Coolant System to the Chemical and Volume Control System Volume Control Tank.

   Test Requirement: IWV-3410

   Basis for Relief: Testing this valve during plant operation would interrupt flow to the Reactor Coolant Pump Controlled Leakage Seal System, which could result in damage to the Reactor Coolant pumps; thereby, placing the plant in an unsafe mode of operation.

   Alternate Testing: This valve will be tested during cold shutdowns.

4. Valve: 4-297A, 4-297B, and 4-297C
   Category: A
   Class: 2

   Function: Provides the seal injection supply flow path to associated Reactor Coolant pump. Each valve is manually adjusted to ensure proper seal injection flow rate to the associated Reactor Coolant pump.

   Test Requirement: IWV-3410

   Basis for Relief: Testing these valves during plant operation would interrupt flow to the Reactor Coolant Pump Controlled Leakage Seal System, which could result in damage to the Reactor Coolant pumps; thereby, placing the plant in an unsafe mode of operation.

   Alternate Testing: These valves will be tested during cold shutdowns.

RELIEF REQUEST BASIS

SYSTEM: Chemical and Volume Control

5. Valve: HCV-4-121
   Category: A
   Class: 2

   Function: Provides the charging flow path to the Reactor Coolant System. This valve is used to proportion flow between the seal injection supply to the Reactor Coolant Pump Controlled Leakage Seal System and the charging flow to the Reactor Coolant System.

   Test Requirement: IWV-3410

   Basis for Relief: Testing this valve during plant operation would cause and unbalanced flow condition in the Chemical and Volume Control System. This could interrupt flow to the Reactor Coolant Pump Controlled Leakage Seal System, which could result in damage to the Reactor Coolant pumps; thereby, placing the plant in an unsafe mode of operation.

   Alternate Testing: This valve will be tested during cold shutdowns.

6. Valve: CV-4-310A and CV-4-310B
   Category: B
   Class: 1

   Function: Provides redundant charging flow paths to the Reactor Coolant System.

   Test Requirement: IWV-3410

   Basis for Relief: Testing these valves during plant operation would cause an unbalanced flow condition in the Chemical and Volume Control System. This could interrupt flow to the Reactor Coolant Pump Controlled Leakage Seal System, which could result in damage to the Reactor Coolant pumps; thereby, placing the plant in an unsafe mode of operation.

   Alternate Testing: These valves will be tested during cold shutdowns.

RELIEF REQUEST BASIS

SYSTEM: Chemical and Volume Control

7. Valve: LCV-4-115C
   Category: B
   Class: 2

   Function: Provides the flow path from the Volume Control Tank to the charging pump suction header.

   Test Requirement: IWV-3410

   Basis for Relief: Testing this valve during plant operation would cause an unbalanced flow condition in the Chemical and Volume Control System. This would interrupt flow to the Reactor Coolant Pump Controlled Leakage Seal System, which could result in damage to the Reactor pumps; thereby, placing the plant in an unsafe mode of operation. Further, the failure of this valve in the closed position, by testing during plant operation, would isolate normal charging pump make-up.

   Alternate Testing: This valve will be tested during cold shutdowns.

RELIEF REQUEST BASIS

SYSTEM: Chemical and Volume Control

8. Valve: LCV-4-115B
   Category: B
   Class: 2

   Function: Provides a flow path from the refueling water storage tank to the Reactor Coolant System.

   Test Requirement: IWV-3410

   Basis for Relief: Testing this valve during plant operation would result in the addition of Boron to the Reactor Coolant System. This could place the plant in an unsafe mode of operation.

   Alternate Testing: This valve will be tested during cold shutdowns.

9. Valve: MOV-4-350
   Category: B
   Class: 2

   Function: Provides a flow path from the Boric Acid Storage Tanks to the Reactor Coolant System.

   Test Requirement: IWV-3410

   Basis for Relief: Testing this valve during plant operation would result in the addition of Boron to the Reactor Coolant System. This could place the plant in an unsafe mode of operation.

   Alternate Testing: This valve will be tested during cold shutdowns.

RELIEF REQUEST BASIS

SYSTEM: Chemical and Volume Control

10. Valve: 4-312A and 4-312B
Category: C
Class: 1

Function: Prevents reverse flow from the Reactor Coolant System to the Chemical and Volume Control System charging flow path.

Test Requirements: IWV-3520

Basis for Relief: Testing these valves during plant operation would cause an unbalanced flow condition in the Chemical and Volume Control System. This could interrupt flow to the Reactor Coolant Pump Controlled Leakage Seal System, which could result in damage to the Reactor Coolant pumps; thereby, placing the plant in an unsafe mode of operation.

Alternate Testing: These valves will be tested during cold shutdowns.

11. Valve: 4-351
Category: C
Class: 2

Function: Prevents reverse flow from the charging pump suction header to the Boron Addition System.

Test Requirements: IWV-3520

Basis for Relief: Testing this valve during plant operation would result in the addition of Boron to the Reactor Coolant System. This could place the plant in an unsafe mode of operation.

Alternate Testing: This valve will be tested during cold shutdowns.

RELIEF REQUEST BASIS

SYSTEM: Chemical and Volume Control

12. Valve: 4-357
Category: C
Class: 2

Function: Prevents reverse flow from the charging pump suction header to the Refueling Water Storage Tank system.

Test Requirement: IWV-3520

Basis for Relief: Testing this valve during plant operation would result in the addition of Boron to the Reactor Coolant System. This could place the plant in an unsafe mode of operation.

Alternate Testing: This valve will be tested during cold shutdowns.

13. Valve: 4-298A, 4-298B, and 4-298C
Category: AC
Class: 1

Function: Prevents reverse flow from the Reactor Coolant Pump Seal Injection System to the Chemical and Volume Control System.

Test Requirement: IWV-3520

Basis for Relief: Testing these valves during plant operation would interrupt flow to the Reactor Coolant Pump Controlled Leakage Seal System, which could result in damage to the Reactor Coolant pumps; thereby, placing the plant in an unsafe mode of operation.

Further, the testing of these valves during cold shutdowns is impractical since it would require draining the Reactor Coolant Pump Seal Injection System to check the position of these valves. This would increase the possibility of causing damage to the Reactor Coolant pump seals due to the added frequency of venting the system prior to plant operation.

Alternate Testing: These valves will be tested during refueling shutdowns.

RELIEF REQUEST BASIS

SYSTEM: Chemical and Volume Control

14. Valve: 4-312C
Category: AC
Class: 1

Function: Prevents reverse flow from the Reactor Coolant System charging flow path to the Chemical and Volume Control System.

Test Requirement: IWV-3520

Basis for Relief: Testing this valve during plant operation would cause an unbalanced flow condition in the Chemical and Volume Control System. This could interrupt flow to the Reactor Coolant Pump Controlled Leakage Seal System, which could result in damage to the Reactor Coolant pumps; thereby, placing the plant in an unsafe mode of operation.

Testing this valve during cold shutdown is impractical because it would require draining the charging system to check the position of the valve. This would cause a loss of the charging flow path that is routinely used to meet the Tech Spec requirements to have a Boron injection flow path to the Reactor Coolant System during cold shutdown.

Alternate Testing: This valve will be tested during refueling shutdowns.

RELIEF REQUEST BASIS

SYSTEM: Safety Injection

1. Valve: MOV-4-860A and MOV-4-860B
   Category: B
   Class: 2

   Function: Provides the flow path from train "A" and train "B" containment recirculation sumps to the suction of the Residual Heat Removal pumps "A" and "B" respectively, during the recirculation phase following a LOCA.

   Test Requirement: IWV-3410

   Basis for Relief: In the event that maintenance is required upon the failure of either of these valves, by testing during plant operation, it would cause a loss of containment integrity.

   Alternate Testing: These valves will be tested during cold shutdowns.

2. Valve: MOV-4-861A and MOV-4-861B
   Category: A
   Class: 2

   Function: Provides the flow path from train "A" and train "B" containment recirculation sumps to the suction of the Residual Heat Removal pumps "A" and "B" respectively, during the recirculation phase following a LOCA.

   Test Requirement: IWV-3410

   Basis for Relief: The failure of either of these valves in the open position, by testing during plant operation, would cause a loss of containment integrity.

   Alternate Testing: These valves will be tested during cold shutdowns.

RELIEF REQUEST BASIS

SYSTEM: Safety Injection

3. Valve: MOV-4-863A and MOV-4-863B
   Category: B
   Class: 2

   Function: Provides the flow path to the alternate header to the Reactor Coolant System from the Low Pressure Safety Injection System. Also, provides the flow path to the High Pressure Safety Injection System during the recirculation mode.

   Test Requirement: IWV-3410

   Basis for Relief: The failure of either of these valves in the open position, by testing during plant operation, would result in diverting flow from the reactor core in the event of a safety injection signal.

   Alternate Testing: These valves will be tested during cold shutdowns.

4. Valve: MOV-4-872
   Category: B
   Class: 2

   Function: Provides the alternate flow path from the Low Pressure Safety Injection System to the Reactor Coolant System.

   Test Requirement: IWV-3410

   Basis for Relief: The failure of this valve in the open position, by testing during plant operation would result in diverting flow during the High Pressure Recirculation mode.

   Alternate Testing: This valve will be tested during cold shutdowns.

RELIEF REQUEST BASIS

SYSTEM: Safety Injection

5. Valve: CV-4-855
   Category: A
   Class: 2

   Function: Provides the Nitrogen supply to maintain pressure in the Safety Injection Accumulators.

   Test Requirement: IWV-3410

   Basis for Relief: The failure of this valve in the closed position, by testing during plant operation, would cause a loss of Nitrogen make-up to the accumulators to maintain the pressure above Tech Spec limits.

   Alternate Testing: This valve will be tested during cold shutdowns.

6. Valve: MOV-4-866A and MOV-4-866B
   Category: BE
   Class: 1

   Function: Provides High Pressure Safety Injection redundant flow paths to the Reactor Coolant System Hot Legs.

   Test Requirement: IWV-3410

   Basis for Relief: These valves are required by Tech Specs to be closed and locked-out at the breaker during plant operation. The testing of these valves during plant operation, coupled with the failure of Valve 4-874A or 4-874B, could subject the Safety Injection System to pressures in excess of its design pressure.

   Alternate Testing: These valves will be tested during cold shutdowns.

RELIEF REQUEST BASIS

SYSTEM: Safety Injection

7. Valve: 4-876A, 4-876B, and 4-876C
   Category: C
   Class: 1

   Function: Prevents reverse flow from the Accumulator Safety Injection System and the High Pressure Safety Injection System to the Low Pressure Safety Injection System.

   Test Requirement: IWV-3520

   Basis for Relief: These valves cannot be tested during operation because the Low Pressure Safety Injection pumps do not develop sufficient discharge head to establish a flow path to the Reactor Coolant System.

   Alternate Testing: These valves will be tested during cold shutdowns.

8. Valve: 4-876D and 4-876E
   Category: C
   Class: 1

   Function: Prevents reverse flow from the Accumulator Safety Injection System and the High Pressure Safety Injection System to the Low Pressure Safety Injection System alternate flow path.

   Test Requirement: IWV-3520

   Basis for Relief: These valves cannot be tested during plant operation because the Low Pressure Safety Injection pumps do not develop sufficient discharge head to establish a flow path to the Reactor Coolant System.

   Alternate Testing: These valves will be tested during cold shutdowns.

RELIEF REQUEST BASIS

SYSTEM: Safety Injection

9. Valve: 4-875A, 4-875B, 4-875C
Category: C
Class: 1

Function: Prevents reverse flow from the Reactor Coolant System to the Accumulator Safety Injection System, Low Pressure Safety Injection System, and High Pressure Safety Injection System.

Test Requirement: IWV-3520

Basis for Relief: These valves cannot be tested during plant operation because the High Pressure Safety Injection or Low Pressure Safety Injection pumps do not develop sufficient discharge head to establish a flow path to the Reactor Coolant System.

Alternate Testing: These valves will be tested during cold shutdowns.

10. Valves: MOV-878A and MOV-878B
Category: B
Class: 2

Function: Provides a flow path for any combination of two of the four High Pressure Safety Injection pumps to the Reactor Coolant System of either unit.

Test Requirement: IWV-3410

Basis for Relief: In the event that maintenance is required upon the failure of either of these valves, by testing during plant operation of both units, it would jeopardize the ability of the High Pressure Safety Injection pumps to support a LOCA; thereby, placing the units in an unsafe mode of operation.

In the event that maintenance is required upon the failure of either of these valves, by testing during cold shutdown of either unit, it would jeopardize the ability of the High Pressure Safety Injection pumps to support a LOCA on the operating unit; thereby, placing that unit in an unsafe mode of operation.

Alternate Testing: These valves will be tested during refueling shutdowns.

RELIEF REQUEST BASIS

SYSTEM: Safety Injection

11. Valve: MOV-4-864A and MOV-4-864B
Category: BE
Class: 2

Function: Provides the flow path to the High Pressure Safety Injection, Low Pressure Safety Injection, and Containment Spray pumps.

Test Requirement: IWV-3410

Basis for Relief: These valves are required by Tech Specs to be open and locked-out at the breaker during plant operation.

The failure of either of these valves in the closed position, by testing during plant operation, would cause a total loss of the Containment Spray and the Low Pressure Safety Injection Systems and, further, jeopardize the High Pressure Safety Injection System; thereby, placing the plant in an unsafe mode of operation.

The failure of either of these valves in the closed position, by testing during cold shutdown, would jeopardize the High Pressure Safety Injection System and cause a loss of an emergency flow path to the Boration Systems; thereby, placing the plant in an unsafe mode of operation.

Alternate Testing: These valves will be tested during refueling shutdowns.

RELIEF REQUEST BASIS

SYSTEM: Safety Injection

12. Valve: MOV-4-862A and MOV-4-862B
Category: BE
Class: 2

Function: Provides a flow path to the Low Pressure Safety Injection System.

Test Requirement: IWV-3410

Basis for Relief: These valves are required by Tech Specs to be open and locked-out at the breaker during plant operation. The failure of either of these valves in the closed position, by testing during plant operation, would cause a total loss of the Low Pressure Safety Injection System.

In the event that maintenance is required upon the failure of Valve 862A, by testing during cold shutdown, it would cause a loss of the RWST and jeopardize the ability of the High Pressure Safety Injection Pumps to support a LOCA on the operating unit. In the event that maintenance is required upon the failure of Valve 862B, by testing during cold shutdown, it would cause a loss of the ability to cool the core.

Alternate Testing: These valves will be tested during refueling shutdowns.

13. Valve: SV-4-2905, SV-4-2906, SV-4-2907, SV-4-2908, SV-4-2909, and SV-4-2910
Category: B
Class: 2

Function: Provides the flow path from the operating Containment Spray header(s) to the Emergency Containment Filters (redundant pairs).

Test Requirement: IWV-3410

Basis for Relief: These valves are solenoid operated (pilot actuated) and require pressure in the line to be operated. Functional testing by placing this system in operation would result in dousing the filters and containment. Testing of these valves by connecting an external water source would also douse the filters.

Alternate Testing: These valves will be tested during refueling shutdowns.

RELIEF REQUEST BASIS

SYSTEM: Safety Injection

14. Valve: 4-2918, 4-2919, 4-2920, 4-2921, 4-2922, and 4-2923
Category: C
Class: 2

Function: Prevents reverse flow from one Containment Spray Header to the other header.

Test Requirement: IWV-3520

Basis for Relief: Testing of these valves, by placing this system in operation or by connecting an external water source, would result in dousing the containment and the Emergency Containment Filters' charcoal filters.

Alternate Testing: These valves will be dissassembled, on an alternating basis, during refueling shutdowns over the ten year Inservice Inspection Interval to inspect the valves' internals and to physically verify the valves' freedom of motion to the open and closed positions. Any problems found during this inspection would be cause for inspecting the remaining valves.

15. Valve: 4-874A and 4-874B
Category: C
Class: 1

Function: Prevents reverse flow from the Reactor Coolant System Hot Legs to the High Pressure Safety Inspection System.

Test Requirement: IWV-3520

Basis for Relief: These valves cannot be tested during plant operation because the High Pressure Safety Inspection pumps do not develop sufficient discharge head to establish a flow path to the Reactor Coolant System.

Further, testing of these valves during cold shutdowns is impractical since it could subject the Reactor Coolant System to conditions exceeding Pressure-Temperature limits.

Alternate Testing: These valves will be tested during refueling shutdowns.

RELIEF REQUEST BASIS

SYSTEM: Safety Injection

16. Valve: 4-873A, 4-873B, and 4-873C
Category: C
Class: 1

Function: Prevents reverse flow from the Accumulator Safety Injection System and the Low Pressure Safety Injection System to the High Pressure Safety Injection System.

Test Requirement: IWV-3520

Basis for Relief: These valves cannot be tested during plant operation because the High Pressure Safety Injection pumps do not develop sufficient discharge head to establish a flow path to the Reactor Coolant System.

Further, testing of these valves during cold shutdowns is impractical since it could subject the Reactor Coolant System to conditions exceeding Pressure-Temperature limits.

Alternate Testing: These valves will be tested during refueling shutdowns.

17. Valve: 4-875D, 4-875E, and 4-875F
Category: C
Class: 1

Function: Prevents reverse flow from the High Pressure Safety Injection System and the Low Pressure Safety Injection System to the Accumulator Safety Injection System.

Test Requirement: IWV-3520

Basis for Relief: These valves cannot be tested during plant operation because the accumulator pressure is insufficient to provide the differential pressure required to establish a flow path to the Reactor Coolant System.

Further, testing of these valves during cold shutdowns is impractical since it could subject the Reactor Coolant System to conditions exceeding Pressure-Temperature limits.

Alternate Testing: These valves will be tested during refueling shutdowns.

RELIEF REQUEST BASIS

SYSTEM: Safety Injection

18. Valve: 4-890A and 4-890B
Category: C
Class: 2

Function: Prevents reverse flow from a non-operating Containment Spray Header to the Containment Spray pump suction header.

Test Requirement: IWV-3520

Basis for Relief: Testing of these valves, by placing this system in operation, would result in dousing the Containment.

Alternate Testing: These valves will be dissassembled, on an alternating basis, during refueling shutdowns over the ten year Inservice Inspection Interval to inspect the valves' internals and to physically verify the valves' freedom of motion to the open and closed positions. Any problems found during this inspection would be cause for inspecting the other valves.

RELIEF REQUEST BASIS

SYSTEM: Auxiliary Coolant, Component Cooling Water

1. Valve: CV-4-739
   Category: B
   Class: 2

   Function: Provides the component cooling water return flow path for the excess letdown heat exchanger.

   Test Requirement: IWV-3410

   Basis for Relief: The failure of this valve in the closed position, by testing during plant operation, would cause a loss of the Excess Letdown Heat Exchanger System function.

   Alternate Testing: This valve will be tested during cold shutdowns.

2. Valve: 4-738
   Category: C
   Class: 2

   Function: Prevents reverse flow from the excess letdown heat exchanger, shell side, to the component cooling water supply header.

   Test Requirement: IWV-3520

   Basis for Relief: The failure of this valve in the closed position, by testing during plant operation, would cause a loss of Excess Letdown Heat Exchanger System function.

   Alternate Testing: This valve will be tested during cold shutdowns.

RELIEF REQUEST BASIS

SYSTEM: Auxiliary Coolant, Component Cooling Water

3. Valve: MOV-4-716A
   Category: B
   Class: 3

   Function: Provides the component cooling water supply flow path for the heat exchangers located in the Reactor Coolant pumps (motors and thermal barriers).

   Test Requirement: IWV-3410

   Basis for Relief: Testing this valve during plant operation would cause interruption of cooling water to the Reactor Coolant pumps' heat exchangers. This action could result in damage to the Reactor Coolant pumps; thereby, placing the plant in an unsafe mode of operation.

   Alternate Testing: This valve will be tested during cold shutdowns.

4. Valve: MOV-4-716B
   Category: B
   Class: 2

   Function: Provides the component cooling water supply flow path for the heat exchangers located in the Reactor Coolant pumps (motors and thermal barriers).

   Test Requirement: IWV-3410

   Basis for Relief: Testing this valve during plant operation would cause interruption of cooling water to the Reactor Coolant pumps' heat exchangers. This action could result in damage to the Reactor Coolant pumps; thereby, placing the plant in an unsafe mode of operation.

   Alternate Testing: This valve will be tested during cold shutdowns.

RELIEF REQUEST BASIS

SYSTEM: Auxiliary Coolant, Component Cooling Water

5. Valve: MOV-4-730
   Category: B
   Class: 2

   Function: Provides the component cooling water return flow path for the Reactor Coolant pumps' motor heat exchangers.

   Test Requirement: IWV-3410

   Basis for Relief: Testing this valve during plant operation would cause interruption of cooling water to the Reactor Coolant pumps' motor heat exchangers. This action could result in damage to the Reactor Coolant pumps; thereby, placing the plant in an unsafe mode of operation.

   Alternate Testing: This valve will be tested during cold shutdowns.

6. Valve: FCV-4-626
   Category: B
   Class: 2

   Function: Provides the component cooling return flow path for the Reactor Coolant Pumps' Controlled Leakage Seal System thermal barriers.

   Test Requirement: IWV-3410

   Basis for Relief: Testing this valve during plant operation would cause interruption of cooling water to the Reactor Coolant Pumps' Controlled Leakage Seal System heat exchangers. This action could result in damage to the Reactor Coolant pumps; thereby, placing the plant in an unsafe mode of operation.

   Alternate Testing: This valve will be tested during cold shutdowns.

RELIEF REQUEST BASIS

SYSTEM: Reactor Coolant

1. Valve: CV-4-519A
   Category: A
   Class: 2

   Function: Provides a primary water flow path to either the pressurizer relief tank or the Reactor Coolant pumps' standpipes.

   Test Requirement: IWV-3410

   Basis for Relief: Failure of this valve in the open position, by testing during plant operation, would cause a loss of containment integrity.

   Alternate Testing: This valve will be tested during cold shutdowns.

2. Valve 4-518
   Category: AC
   Class: 2

   Function: Prevents reverse flow from the Pressurizer Relief Tank to the Nitrogen system.

   Test Requirement: IWV-3520

   Basis for Relief: Failure of this valve in the open position, by testing during plant operation, would cause a loss of containment integrity.

   Alternate Testing: This valve will be tested during cold shutdowns.

RELIEF REQUEST BASIS

SYSTEM: Sampling

1. Valve: CV-4-956A, CV-4-956B, CV-4-956C, and CV-4-956D
   Category: A
   Class: 2

   Function: Provides the flow path from the pressurizer steam space, the pressurizer liquid space, the Reactor Coolant System, and the accumulators respectively, to the Sample System.

   Test Requirement: IWV-3410

   Basis for Relief: The failure of any one of these valves in the open position, by testing during plant operation, would cause a loss of containment integrity.

   Alternate Testing: These valves will be tested during cold shutdowns.

RELIEF REQUEST BASIS

SYSTEM: Auxiliary Coolant, Residual Heat Removal

1. Valve: MOV-4-744A and MOV-4-744B
   Category: B
   Class: 2

   Function: Provides a flow path from the Low Pressure Safety Injection System to the Reactor Coolant System.

   Test Requirement: IWV-3410

   Basis for Relief: The testing of these valves during plant operation, coupled with the failure of Valves 4-876A, 4-876B, or 4-876C, could subject the Low Pressure Safety Injection System to pressures in excess of its design pressure.

   Alternate Testing: These valves will be tested during cold shutdowns.

2. Valve: MOV-4-751
   Category: A
   Class: 1

   Function: Provides the flow path from the Reactor Coolant System to the Residual Heat Removal System.

   Test Requirement: IWV-3410

   Basis for Relief: This valve cannot be tested during plant operation. The valve is interlocked to prevent it from opening when the Reactor Coolant System pressure exceeds a set point of 465 psig.

   Failure of this valve in the closed position, by testing during cold shutdowns, would cause a loss of system function (ability to cool the core with the Residual Heat Removal System).

   Alternate Testing: This valve will be tested during refueling shutdowns.

RELIEF REQUEST BASIS

SYSTEM: Auxiliary Coolant, Residual Heat Removal

3. Valve: MOV-4-750
   Category: B
   Class: 1

   Function: Provides the flow path from the Reactor Coolant System to the Residual Heat Removal System.

   Test Requirement: IWV-3410

   Basis for Relief: This valve cannot be tested during plant operation. The valve is interlocked to prevent it from opening when the Reactor Coolant System pressure exceeds a set point of 465 psig.

   Failure of this valve in the closed position, by testing during cold shutdowns, would cause a loss of system function (ability to cool the core with the Residual Heat Removal System).

   Alternate Testing: This valve will be tested during refueling shutdowns.

RELIEF REQUEST BASIS

SYSTEM: Main Steam

1. Valve: PCV-4-2604, PCV-4-2605, PCV-4-2606
   Category: C
   Class: 2

   Function: Provides the flow path from the associated steam generator to the main steam line header.

   Test Requirement: IWV-3520

   Basis for Relief: Testing any one of these valves during plant operation would isolate the associated steam generator from the main steam line header which would result in a reactor trip.

   Alternate Testing: These valves will be tested during cold shutdowns.

RELIEF REQUEST BASIS

SYSTEM: Condensate and Feedwater

1. Valve: MOV-4-1425, MOV-4-1426, and MOV-4-1427
   Category: B
   Class: 2

   Function: Provides the flow path from the associated steam generator secondary side to the Sampling System.

   Test Requirement: IWV-3410

   Basis for Relief: The failure of any one of these valves in the closed position, by testing during plant operation, would result in a loss of ability to sample the associated steam generator; thereby, affecting the ability to verify proper chemistry control and to detect radioactivity.

   Alternate Testing: These valves will be tested during cold shutdowns.

2. Valve: MOV-4-1410, MOV-4-1411, and MOV-4-1412
   Category: B
   Class: 2

   Function: Provides the flow path from the associated steam generator secondary side to the Blowdown system.

   Test Requirement: IWV-3410

   Basis for Relief: The failure of any one of these valves in the closed position, by testing during plant operation, would result in a loss of ability to blowdown the associated steam generator; thereby, affecting the ability to maintain proper chemistry control

   Alternate Testing: These valves will be tested during cold shutdowns.

RELIEF REQUEST BASIS

SYSTEM: Condensate and Feedwater

3. Valve: CV-4-2900, CV-4-2901, and CV-4-2902
   Category: C
   Class: 2

   Function: Prevents reverse flow from the associated steam generator to the Feedwater System.

   Test Requirement: IWV-3520

   Basis for Relief: Testing any one of these valves, during plant operation, would cause an interruption of feedwater flow to the associated steam generator; thereby, placing the plant in an unsafe mode of operation.

   Alternate Testing: These valves will be tested during cold shutdowns.

RELIEF REQUEST BASIS

SYSTEM: Service Air(Lube Oil, Service and Instrument Air)

1. Valve: 4-40-204
   Category: AE
   Class: 2

   Function: Provides the flow path from the Service Air System to the containment.

   Test Requirement: IWV-3410

   Basis for Relief: The failure of this valve in the open position, by testing during plant operation, would cause a loss of containment integrity.

   Alternate Testing: This valve will be tested during cold shutdowns.

2. Valve: 4-40-205
   Category: AC
   Class: 2

   Function: Prevents reverse flow from the containment atmosphere to the Service Air System located outside containment.

   Test Requirement: IWV-3520

   Basis for Relief: The failure of this valve in the open position, by testing during plant operation, would cause a loss of containment integrity.

   Alternate Testing: This valve will be tested during cold shutdowns.

RELIEF REQUEST BASIS

SYSTEM: Service Air (Lube Oil, Service and Instrument Air)

3. Valve: 4-40-203
   Category: BE
   Class: 2

   Function: Provides the flow path from the Service Air System to the containment (valve in series with 4-40-204).

   Test Requirement: IWV-3410

   Basis for Relief: This valve is required to be tested only to provide the necessary flow path to valve 4-40-204 and will be tested during cold shutdowns (See 4-40-204 RRB No. 1).

   Alternate Testing: This valve will be tested during cold shutdowns.

RELIEF REQUEST BASIS

SYSTEM: Instrument Air (Lube Oil, Service and Instrument Air)

4. Valve: 4-40-336
   Category: AC
   Class: 2

   Function: Prevents reverse flow from the Instrument Air System, inside containment, to the Instrument Air System, located outside containment.

   Test Requirement: IWV-3520

   Basis for Relief: Testing this valve during plant operation would interrupt the instrument air supply to the components located inside containment that require instrument air for proper operation; thereby, placing the plant in an unsafe mode of operation.

   Testing this valve during cold shutdown would interrupt the instrument air supply to the components located inside containment that require instrument air to maintain the plant in a safe shutdown condition; thereby, placing the plant in an unsafe mode of operation.

   Alternate Testing: This valve will be tested during refueling shutdowns.

RELIEF REQUEST BASIS

SYSTEM: Primary Make-up and Containment Cooling Water

1. Valve: MOV-4-1417 and MOV-4-1418
   Category: B
   Class: 2

   Function: Provides the component cooling water supply (MOV-4-1417) and return (MOV-4-1418) flow paths for the normal containment coolers, the control rod drive mechanism coolers, and the primary shield cooling coils.

   Test Requirement: IWV-3410

   Basis for Relief: Testing these valves during plant operation would cause interruption of cooling water to the normal containment coolers, the control rod drive mechanism coolers, and the primary shield cooling coils. This action could result in damage to the control rod drive mechanisms and associated equipment; thereby, placing the plant in an unsafe mode of operation.

   Alternate Testing: These valves will be tested during cold shutdowns.

RELIEF REQUEST BASIS

SYSTEM: Containment Ventilation

1. Valve: HV-4-1 and HV-4-3
   Category: E
   Class: 2

   Function: Provides redundant flow paths for Post Loss of Coolant Accident purge.

   Test Requirement: IWV-3410

   Basis for Relief: In the event that maintenance is required upon the failure of either of these valves, by testing during plant operation, it would cause a loss of containment integrity.

   Alternate Testing: These valves will be tested during cold shutdowns.

2. Valve: HV-4-2 and HV-4-4
   Category: AE
   Class: 2

   Function: Provides redundant flow paths for Post Loss of Coolant Accident purge.

   Test Requirement: IWV-3410

   Basis for Relief: The failure of either of these valves in the open position, by testing during plant operation, would cause a loss of containment integrity.

   Alternate Testing: These valves will be tested during cold shutdowns.

RELIEF REQUEST BASIS

SYSTEM: Containment Ventilation

3. Valve: 4-11-003
   Category: AC
   Class: 2

   Function: Prevents reverse flow from the containment atmosphere to the Containment Gas and Particulate Radioactivity Detection System.

   Test Requirement: IWV-3520

   Basis for Relief: The Tech Specs require two independent systems to monitor reactor coolant leakage; one of which has to be sensitive to radioactivity. Testing this valve during plant operation would cause an interruption of the Reactor Coolant Leak Detection System which is sensitive to radioactivity.

   Similarly, testing this valve during cold shutdown would result in an interruption of the Detection System which is sensitive to radioactivity.

   Alternate Testing: This valve will be tested during refueling shutdowns.

ATTACHMENT C

Re: Turkey Point Unit 4
Docket No. 50-251
Revised Pump and Valve Test Program

This Attachment lists changes made in the Turkey Point Unit 4 Pump and Valve Test Program during the final review by FPL. The changes have not been discussed with the NRC staff, either through meetings or telephone conferences. The purpose of listing them here is to highlight any changes made by FPL subsequent to the May-June, 1978 discussions referenced in the cover letter.

A. Valves Deleted From Program

Several valves determined to be non-safety related have been deleted from the Program (see attached pages from previous Program dated April 5, 1978).

B. Valves Added to Program

1. The following valves were added because they receive an SIAS or CIS signal:

CV-4-841B (page 6 of 43)
CV-4-716A (page 15 of 43)

2. The following valve was added because it was inadvertently deleted during NRC-FPL review in May-June, 1978:

4-518 (page 20 of 43)

3. The following valves were added because they are locked open and in safety related flow paths:

4-868A, 4-868B, & 4-868C (page 11 of 43)
4-20-141, 4-20-241, & 4-20-341 (Page 32 of 43)

C. Recategorized Valves/Changed Testing Requirements

1. The designation of the following valves has been changed from passive to active (exercise during cold shutdown):

HV-4-1
HV-4-2
HV-4-3 (Page 40 of 43)
HV-4-4

2. Valve 4-40-203 has been redesignated B/E.
Valve 4-40-204 has been redesignated A/E. (Page 34 of 43)
Valve 4-40-205 has been redesignated A/C.

3. The designation of the following valves has been changed from A to B:

MOV-4-843A MOV-4-843B	(Page 7 of 43)
MOV-4-869	(Page 6 of 43)

4. The designation of the following valves has been changed from E to B (test during plant operation):

4-787A 4-787C 4-787E 4-787F	(Pages 16 & 17 of 43)

5. The following valves will be tested during cold shutdown instead of during refueling shutdown:

4-351 4-357	(Page 3 of 43)

6. The designation of the following valve has been changed from A to A/E:

MOV-4-751	(Page 24 of 43)

7. The designation of the following valves has been changed from B to B/E:

MOV-4-863A MOV-4-863B	(Pages 5 & 6 of 43)

8. The designation of the following valves has been changed from passive to active (exercise during plant operation):

4-10-119, 4-10-219, 4-10-319 4-10-120, 4-10-220, 4-10-320	(Page 29 of 43)

D. Pumps Added to Program

Add Unit 3 Safety Injection pumps (Table IV).

FOR INFORMATION ONLY

PTP-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
												VALVE Coordinates
*332	2	DIAPH	MAN	3	E	P	LO	FAI	NO	1	OC-1	B-9
*378	2	DIAPH	MAN	3	E	P	LO	FAI	NO	1	OC-1	B-8
*379	2	DIAPH	MAN	3	E	P	LO	FAI	NO	1	OC-1	B-9
*399	2	DIAPH	MAN	3	E	P	LO	FAI	No	1	OC-1	B-7
*336	2	DIAPH	MAN	3	E	P	LC	FAI	NO	1	OC-1	A-9
*337	2	DIAPH	MAN	3	E	P	LC	FAI	NO	1	OC-1	A-9
*394	2	DIAPH	MAN	3	E	P	LC	FAI	NO	1	OC-1	A-7
*395	2	DIAPH	MAN	3	E	P	LC	FAI	NO	1	OC-1	A-7
*329	3/4	DIAPH	MAN	3	E	P	LO	FAI	NO	1	OC-1	B-8
*344	3/4	DIAPH	MAN	3	E	P	LO	FAI	NO	1	OC-1	B-9
*370	3/4	DIAPH	MAN	3	E	P	LO	FAI	NO	1	OC-1	B-7
*4-232B	2	DIAPH	MAN	3	E	P	LC	FAI	NO	1	OC-1	C-8
*4-232C	2	DIAPH	MAN	3	E	P	LC	FAI	NO	1	OC-1	C-7
*4-246	2	DIAPH	MAN	3	E	P	LC	FAI	NO	1	OC-1	C-6

* Valves Deleted - NON-SAFETY RELATED

SYSTEM TITLE: CHEM. VOL. CONT. (CVCS)

PROGRAM TITLE: VALVE TEST PROGRAM

APR 5 1978

DRAWING TITLE: F-503184

TABLE I
TESTS TO CODE

FOR INFORMATION ONLY

PTP-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
RV-4-722A	3/4	SAFE	SA	3	C	A	NC	--	NO	1	TF-1	
RV-4-722B	3/4	SAFE	SA	3	C	A	NC	--	NO	1	TF-1	
RV-4-722C	3/4	SAFE	SA	3	C	A	NC	--	NO	1	TF-1	
RV-4-1423	3/4	SAFE	SA	2	C	A	NC	--	NO	1	TF-1	
RV-4-1424	3/4	SAFE	SA	2	C	A	NC	--	NO	1	TF-1	
RV-4-1425	3/4	SAFE	SA	2	C	A	NC	--	NO	1	TF-1	
4-710A	4	GATE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
4-710B	4	GATE	MAN	3	E	P	LO	FAI	NO	1	OC-1	Valve Coordinates
* 4-835A	12	GATE	MAN	3	E	P	LC	FAI	NO	1	OC-1	D-11
* 4-835B	12	GATE	MAN	3	E	P	LO	FAI	NO	1	OC-1	D-11
* 4-835C	12	GATE	MAN	3	E	P	LO	FAI	NO	1	OC-1	A-11

* Valves Deleted - Non-Safety Related

SYSTEM TITLE: AUX. COOL., COMP. COOL. (ACCC)

PROGRAM TITLE: VALVE TEST PROGRAM

APR 5 1978

DRAWING TITLE: P-503187, E-503188, P-502036

TABLE I
TESTS TO CODE

FOR [illegible] ONLY

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
												VALVE COORDINATES
* 4-835D	12	GATE	MAN	3	E	P	LC	FAI	NO	1	OC-1	A-11 * Valves Deleted - NON-SAFETY RELATED
* 4-835E	12	GATE	MAN	3	E	P	LO	FAI	NO	1	OC-1	A-7
* 4-835F	12	GATE	MAN	3	E	P	LC	FAI	NO	1	OC-1	A-7
* 4-835G	12	GATE	MAN	3	E	P	LC	FAI	NO	1	OC-1	D-3
* 4-835H	12	GATE	MAN	3	E	P	LO	FAI	NO	1	OC-1	D-3
4-770A	2	GATE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
4-770B	2	GATE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
4-770C	2	GATE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
4-770D	2	GATE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
4-787A	16	GATE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
* 4-787B	16	GATE	MAN	3	E	P	LO	FAI	NO	1	OC-1	B-10

SYSTEM TITLE: AUX. COOL. COMP. COOL. (ACCC)

CHART TITLE: F-503187, E-503188, F -502036

PROGRAM TITLE: VALVE TEST PROGRAM

APR 5 1978

TABLE I
TESTS TO CODE

FOR INFORMATION ONLY

PTP-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
4-787C	16	GATE	MAN	3	E	P	LO	FAI	NO	1	OC-1	VALVE COORDINATES
* 4-787D	16	GATE	MAN	3	E	P	LO	FAI	NO	1	OC-1	B-12
4-787E	16	GATE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
4-787F	16	GATE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
* 4-787G	16	GATE	MAN	3	E	P	LO	FAI	NO	1	OC-1	C-15
* 4-787H	16	GATE	MAN	3	E	P	LO	FAI	NO	1	OC-1	C-15

* Valves Deleted - NON-SAFETY RELATED

SYSTEM TITLE: AUX. COOL. COMP. COOL. (ACCC)	PROGRAM TITLE: VALVE TEST PROGRAM	APR 5 1978	TABLE I TESTS TO CODE
CHART TITLE: P-563187, P-503188, P-502036			