



March 6, 1979  
L-79-52

Director of Nuclear Reactor Regulation  
Attention: Mr. Victor Stello, Director  
Division of Operating Reactors  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Dear Mr. Stello:

Re: Turkey Point Units 3 and 4  
Docket Nos. 50-250 and 50-251  
Proposed Amendment to Facility  
Operating Licenses DPR-31 and DPR-41

In accordance with 10 CFR 50.30, Florida Power & Light Company submits herewith three (3) signed originals and forty (40) copies of a request to amend Appendix A of Facility Operating Licenses DPR-31 and DPR-41.

The proposed changes are described below and shown on the accompanying Technical Specification pages bearing the date of this letter in the lower right hand corner. This proposal is submitted in accordance with 10 CFR 50.55a(g)(5)(ii) and supplements our previous submittals of February 25, 1977 (L-77-58), April 10, 1978 (L-78-123), and August 23, 1978 (L-78-275).

Table 4.1-2 (Sheets 1 and 2)

The valve tests specified in the present items 6 and 7 are deleted. They will be covered by revised Specification 4.2. The remaining items are renumbered to maintain the numbering sequence.

Page 4.2-1

The current wording of Specification 4.2 is replaced with a new wording that establishes the new inservice inspection and testing programs.

Page 4.2-2

This page is deleted.

Table 4.2-1 (7 sheets)

This table is deleted.

*dupe of* 7903090267

Director of Nuclear Reactor Regulation  
Page Two

Page 4.5-1

Safety injection system pump and valve testing is deleted from Specification 4.5. Such testing will be covered by the revised Specification 4.2.

Page 4.5-2

This page is deleted.

Page 4.6-2

Containment spray system pump and valve testing is deleted from Specification 4.6. Such testing will be covered by the revised Specification 4.2.

Page 4.7-2

Post-accident containment vent system valve testing is deleted from Specification 4.7. Such testing will be covered by the revised Specification 4.2.

Page 4.9-1

Main steam isolation valve testing is deleted from Specification 4.9. Such testing will be covered by the revised Specification 4.2.

Page 4.10-1

Auxiliary feedwater system pump and valve testing is deleted from Specification 4.10. Such testing will be covered by revised Specification 4.10.

Pages B4.2-1 through B4.2-13

Bases Section B4.2 is replaced by a single page (B4.2-1) that discusses the bases for revised Specification 4.2.

Director of Nuclear Reactor Regulation

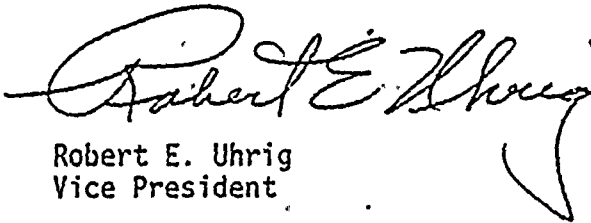
Page 3

The revised in service inspection program for Turkey Point Unit 3 will be developed and submitted to the NRC by August, 1979. A proposed change to 10 CFR 50.55a was issued in the Federal Register on January 18, 1979. This change would provide for the use of a new edition and addenda of the ASME Boiler and Pressure Vessel Code as criteria for the revised Unit 3 inservice inspection program, subject to NRC approval. Since it appears that the Turkey Point Unit 3 inservice inspection program could benefit from the use of the newer standard and to avoid unnecessary program revisions, we intend to delay the development of the Unit 3 revised program pending a decision on the proposed rule change.

This proposed amendment has been reviewed by the Turkey Point Plant Nuclear Safety Committee and the Florida Power & Light Company Nuclear Review Board. They have determined that this proposed amendment does not involve an un-reviewed safety question.

The fees for this amendment will be forwarded under separate cover.

Very truly yours,



Robert E. Uhrig  
Vice President

REU:GDW:cf  
Enclosure

cc: J. P. O'Reilly, Region II  
Robert Lowenstein, Esquire

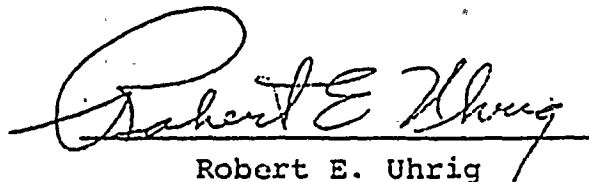
STATE OF FLORIDA     )  
                              )  
COUNTY OF DADE     )

ss.

Robert E. Uhrig, being first duly sworn, deposes and says:

That he is a Vice President of Florida Power & Light Company,  
the Licensee herein;

That he has executed the foregoing document; that the state-  
ments made in this said document are true and correct to the  
best of his knowledge, information, and belief, and that he  
is authorized to execute the document on behalf of said  
Licensee.

  
Robert E. Uhrig

Subscribed and sworn to before me this

6<sup>th</sup> day of March, 1979

Betty Brittain  
NOTARY PUBLIC, in and for the county of Dade,  
State of Florida

My commission expires: NOTARY PUBLIC STATE OF FLORIDA at LARGE  
MY COMMISSION EXPIRES MARCH 27, 1982  
POWER OF ATTORNEY AGENCY

## MINIMUM FREQUENCIES FOR EQUIPMENT AND SAMPLING TESTS

	Check	Frequency	Max. Time Between Tests (Days)
1. Reactor Coolant Samples.	Radiochem. ( $T_{1/2} > 30$ Min)	Monthly	45
	$C_1$ & $O_2$	5/Week	3
	Tritium Activity	Weekly	10
	Gross $\beta, \gamma$ Activity ( $\mu Ci/cc$ )	5/Week	3
	Boron Concentration	2/Week	5
	E Determination	Semi-annually	30 Wks
2. Refueling Water Storage Tank Water Sample	Boron Concentration	Weekly†	10
3. Boric Acid Tank	Boron Concentration	2/Week	5
4. Boron Injection Tank	Boron Concentration	Monthly†	45
5. Control Rods	Rod drop times of all full length rods	For all rods at least once per 18 months and following each removal of the reactor vessel head. For specifically affected individual rods following maintenance on or modification of the control rod drive system which could affect the drop time of those specific rods.	NA
	Partial movement of full length rods	Biweekly while critical	20
6. Containment Isolation Trip	Functioning	Each refueling shutdown	NA
7. Refueling System Interlocks	Functioning	Prior to each re-fueling	NA
8. Accumulator	Boron Concentration	At least once per 31 days and within 6 hours after each solution volume increase of $\geq 1\%$ of tank volume.†	

TABLE 4-2 (Sheet 2 of 3)  
MINIMUM FREQUENCIES FOR EQUIPMENT AND SAMPLING TESTS

9. Reactor Coolant System Leakage	Evaluate	Daily	NA
10. Diesel Fuel Supply	Fuel inventory	Weekly	10
11. Spent Fuel Pic	Boron Concentration	Prior to refueling	NA
12. Secondary Coolant	I-131 Concentration	Weekly * †	10
13. Vent Gas & Particulates	I-131 & Particulate Activity	Weekly *	10
14. Fire Protection Pump & Power Supply	Operable	Monthly	45
15. Turbine Stop and Control Valves, Reheater Stop and Intercept Valves	Closure	Monthly ***	45
16. LP Turbine Rotor Inspection (w/o rotor disassembly)	V, ME, PT	Every 5 Years	6 Years
17. Spent Fuel Cask Crane Interlocks	Functioning	Within 7 days of using crane to lift spent fuel cask	7 days when crane is being used to maneuver spent fuel cask

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

\* When activity exceeds 10% of specification, frequency shall be changed to daily.

#### 4.2 INSERVICE INSPECTION AND TESTING

**Applicability:** Applies to inservice structural surveillance of ASME Code Class 1, Class 2, and Class 3 components.

**Objective:** To ensure the continued integrity of ASME Code Class 1, Class 2, and Class 3 components (and their supports) and boundaries.

**Implementation:** Implementation of this specification will begin upon Commission approval.

**Specification:**

1. Inservice inspection of ASME Code Class 1, Class 2, and Class 3 components (and their supports) shall be performed in accordance with the Inservice Inspection (ISI) Programs for Turkey Point Units 3 and 4. The ISI programs are developed and updated in accordance with Section XI of the ASME Boiler and Pressure Vessel Code and applicable Addenda as required by 10 CFR 50.55a(g), except where specific written relief has been granted by the NRC pursuant to 10 CFR 50.55a(g)(6)(i).
2. Inservice testing of ASME Code Class 1, Class 2, and Class 3 pumps and valves shall be performed in accordance with the Pump and Valve Test Programs for Turkey Point Units 3 and 4. The programs are developed and updated in accordance with Section XI of the ASME Boiler and Pressure Vessel Code and applicable Addenda as required by 10 CFR 50.55a(g), except where specific written relief has been granted by the NRC pursuant to 10 CFR 50.55a(g)(6)(i).
3. In cases where, during the process of inspection and testing, certain requirements are found to be impractical due to unforeseen circumstances, relief may be requested at that time and satisfaction of these requirements may be deferred pending NRC action upon that request.

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 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.



*at least 24"*

4. The charging pump motors are, ~~13'~~<sup>*at least 24"*</sup> above the floor. The containment spray pump motors are, ~~18'~~<sup>*at least 17'*</sup> above the floor. The boric acid transfer pump motors are, ~~18'~~<sup>*at least 17'*</sup> above the floor.
5. Two Nuclear Operators (NOs) are assigned to each operating shift. They maintain a log book at a ground level station in the RAB main corridor (18' elevation). The NOs rove throughout the RAB and surrounding areas at the 18' and lower elevations, and it is standard practice that at least one of them remain inside the RAB at all times.
6. The reactor protection equipment rooms and the battery rooms have floor drains. The drains in these rooms are part of the storm drain system. Although the control room does not have floor drains, it is continuously manned and even minor flooding could not proceed undetected.

TELECOM-BR-DFOS

1979 MAR 6 AM 10 46

U.S. NUCLEAR REGULATORY  
COMMISSION

## 2. COMPONENT TESTS

### Fans

The Emergency Containment Cooling fans shall be started at intervals not greater than one (1) month.††

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

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

### 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 refueling period, which shall consist of visual inspection.

Visual inspection shall include search for any foreign material, gasket 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.

#### 4.9 MAIN STEAM ISOLATION VALVES

Applicability: Applies to periodic testing of the main steam isolation valves.

Objective: To verify the ability of the main steam isolation valves to close upon signal.

Specification: Main steam isolation valves shall be tested in accordance with Specification 4.2.2.

4.10

AUXILIARY FEEDWATER SYSTEM

Applicability:

Applies to periodic testing requirements of the auxiliary feedwater system.

Objective:

To verify the operability of the auxiliary feedwater system and its ability to respond properly when required.

Specifications:

The auxiliary feedwater system shall be tested in accordance with Specification 4.2.2.

#### B4.2 BASES FOR INSERVICE INSPECTION AND TESTING

Specification 4.2 ensures that inservice testing of ASME Code Class 1, 2, and 3 pumps and valves and inservice inspection of ASME Code Class 1, 2, and 3 Components will be performed in accordance with a periodically updated version of Section XI of the ASME Boiler and Pressure Vessel Code and Addenda as required by 10 CFR 50.55a. Relief from any of the above requirements has been provided in writing by the Commission and is not a part of these technical specifications.

ATTACHMENT B

Turkey Point Unit No. 3

Section I Valve Test Program

Section II Pump Test Program

### 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 Subsections I.G. The period for this valve test program starts August 14, 1979, and ends April 14, 1981.

#### 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 August 14, 1979, and ends April 14, 1981.



## TABLE OF CONTENTS

Section I.	Valve Test Program
I.A.	List of Drawings
I.B.	List of Valve Categories
I.C.	List of Definitions
I.D.	List of Valve Table Symbols
I.E.	List of Category (A-B-C-E) Valves: <u>Table I - Tests to Code</u>
I.F.	List of Category (A) Valves: <u>Table I.A. - Seat Leakage Rates</u>
I.G.	List of Category (A-B-C) Valves: <u>Table II - To Code and Relief Request</u>
I.H.	List of Exclusions: (IWV-1300) <u>Table III</u>
I.I.	Relief Request Basis <u>Attachment B-1</u>
Section II.	Pump Test Program
II.A.	<u>Table IV - Test Parameters</u>

---

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<sup>1</sup> A - Valves for which seat leakage is limited to a specific maximum amount in the closed position for fulfillment of their function.
- CATEGORY<sup>1</sup> B - Valves for which seat leakage in the closed position is inconsequential for fulfillment of their function.
- CATEGORY<sup>1</sup> C - Valves which are self-actuating in response to some system characteristic, such as pressure (relief valves) or flow direction (check valves).
- CATEGORY<sup>1</sup> D - Valves which are actuated by an energy source capable of only one operation, such as rupture disks or explosive actuated valves.
- CATEGORY<sup>1</sup> E - Valves which are normally locked (or sealed) open or locked (or sealed) closed to fulfill their function.

### FOOTNOTE:

<sup>1</sup>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.

- 1) ACTIVE VALVES - are required to change position either by opening, closing, or opening and reclosing to either safely shut down the reactor or mitigate the consequences of an accident.
- 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 - SAFETY AND RELIEF
	REL
	NOZL - NOZZLE
	NEEDL - 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.
	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 )

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

RELATED TO SPECIAL ALTERNATE TESTING

TABLE - A

<u>CATEGORY</u>	<u>VALVE FUNCTION</u>	<u>CODE LEAK TEST</u>	<u>CODE EXER. TEST</u>	<u>CODE POSIT. VERIF.</u>
A	ACTIVE	IWV-3420	IWV-3410	NONE
A	PASSIVE *	IWV-3420	NONE	NONE
B	ACTIVE	NONE	IWV-3410	NONE
B	PASSIVE *	NONE	NONE	NONE
C (S/R)	ACTIVE	NONE	IWV-3510	NONE
C (CHK)	ACTIVE	NONE	IWV-3520	NONE
E	PASSIVE *	NONE	NONE	IWV-3700

\* NOTE: Refer to Relief Request No. 0.

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 LW-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-D): 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 period 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  $\Delta P$  at  $P_a$

WHERE:

$P_a$  = ACCIDENT PRESSURE

I. G.

LIST OF CATEGORY (A-B-C): LEGEND FOR TABLE II -  
TESTING TO CODE REQUIREMENTS DETERMINED TO BE  
IMPRACTICAL AND RELIEF REQUESTED...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) Relief requested and supported by Relief  
Request Basis including Alternate Tests.

I.E. LIST OF EXCLUSIONS: TABLE III - EXCLUSIONS TO CODE (IIV-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.

I.I. RELIEF REQUEST BASIS - ATTACHMENT B-1 CODE REQUIREMENTS  
DETERMINED TO BE IMPRACTICAL.....PARAGRAPH 50.55a (g)  
5 (iii) AND RELIEF REQUESTED.

Chemical and Volume Control System	Pg. 1 to 8
Safety Injection System	Pg. 1 to 10
Auxiliary Coolant System Component Cooling	Pg. 1 to 3
Reactor Coolant System	Pg. 1 to 1
Sampling System	Pg. 1 to 1
Auxiliary Coolant System Residual Heat Removal	Pg. 1 to 1
Steam System	Pg. 1 to 1
Condensate and Feedwater Systems	Pg. 1 to 2
Lube Oil Service and Instrument Air	Pg. 1 to 3
Primary Make-up Containment Cooling Water and Chemical Injection Systems	Pg. 1 to 1
Containment Ventilation System	Pg. 1 to 2
Diesel Oil System	Pg. 1 to 1
Various ("Passive Valves")	Pg. 1 to 1

## FLORIDA POWER &amp; 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	RUN NO.	VALVE (X)ID	REMARKS
CV-3-200A	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-3-200B	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-3-200C	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-3-204	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-3-381	3	GATE	MO	2	A	A	NO	FAI	YES	2 2 1	EF-2 EST-3 SLT-1	3	D-16	

SYSTEM  
TITLE CHEM. VOL. CONT. (CVCS)PROGRAM  
TITLE VALVE TEST PROGRAMTABLE 1  
TESTS TO CODECHART  
TITLE E-507784



FLORIDA POWER & LIGHT COMPANY -

FLORIDA POWER & LIGHT COMPANY -														
VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ESI TESTS.	RWD NO.	VALVE CXXID	REMARKS
LCV-3-115B	4	BUTFY	A/O	2	B	A	NC	FC	YES	2 2 2	EF-2 EF-8 EST-3	8	A-14	
NOV-3-350	2	GATE.	MO	2	B	A	NC	FAI	YES	2 2	EF-2 EST-3	9	A-12	
3-312A	3	CHECK	SA	1	C	A	NC	--	NO	2	EF-2	10	C-19	
3-312B	3	CHECK	SA	1	C	A	NC	--	NO	2	EF-2	10	C-19	
3-351	2	CHECK	SA	2	C	A	NC	--	NO	2	EF-2	11	A-12	
3-357	4	CHECK	SA	2	C	A	NC	--	NO	2	EF-2	12	A-13	

SYSTEM  
TITLE CHEM. VOL. CONT. (CVCS)

CHART  
FILE F-503184

# PROGRAM BOOK

# VALVE TEST PROGRAM

TABLE 1  
TESTS TO CODE<sup>x</sup>



## FLORIDA POWER &amp; 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	RUN NO.	VALVE (XX)ID	REMARKS
3-298A	2	CHECK	SA	1	AC	A	NO	--	NO	1 1	EF-2 SLT-1	13	A-20	
3-298B	2	CHECK	SA	1	AC	A	NO	--	NO	1 1	EF-2 SLT-1	13	A-19	
3-298C	2	CHECK	SA	1	AC	A	NO	--	NO	1 1	EF-2 SLT-1	13	A-18	
3-312C	3	CHECK	SA	1	AC	A	NO	--	NO	1 1	EF-2 SLT-1	14	C-17	

SYSTEM  
TITLECHART  
TITLE

CHECK VAL CONT (CVCS)

F-503184

PROGRAM  
TITLE

VALVE TEST PROGRAM

TABLE II  
TO CODE AND  
RELIEF REQUEST

FLORIDA POWER & LIGHT COMPANY

FLORIDA POWER & LIGHT COMPANY														
VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/PAS	NORM. POS.	FAILURE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	RWD NO.	VALVE COORD	REMARKS
MOV-3-860A	14	GATE	MO	2	B	A	NC	FAI	YES	2 2	EF-2 EST-4	1	A-9	
MOV-3-860B	14	GATE	MO	2	B	A	NC	FAI	YES	2 2	EF-2 EST-4	1	A-9	
MOV-3-861A	14	GATE	MO	2	A	A	NC	FAI	YES	2 2 1	EF-2 EST-4 SLT-1	2	A-8	
MOV-3-861B	14	GATE	MO	2	A	A	NC	FAI	YES	2 2 2	EF-2 EST-4 SLT-1	2	A-8	
MOV-3-880A	6	GATE	MO	2	A	A	NC	FAI	YES	3 3 1	EF-1 EST-6 SLT-1	--	B-7	
MOV-3-880B	6	GATE	MO	2	A	A	NC	FAI	YES	3 3 1	EF-1 EST-6 SLT-1	--	B-7	
MOV-3-863A	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)

CHART TITLE E-503185

PROGRAM TITLE VALVE TEST PROGRAM

TABLE I  
TESTS TO CODE

FLORIDA POWER & LIGHT COMPANY

FLORIDA POWER & LIGHT COMPANY														
VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	RND NO.	VALVE COORD	REMARKS
MOV-3-863B	8	GATE	MO	2	B/E	A	LC	FAI	YES	2 2 1	EF-2 EST-2 OC-1	3	B-8	
MOV-3-872	8	GATE	MO	2	B	A	NC	FAI	YES	2 2	EF-2 EST-3	4	A-7	
MOV-3-869	3	GATE	MO	2	B	A	NC	FAI	YES	3 3	EF-1 EST-3	--	D-12	
MOV-3-867A	4	GATE	MO	2	B	A	NC	FAI	YES	3 3	EF-1 EST-6	--	C-9	
MOV-3-867B	4	GATE	MO	2	B	A	NC	FAI	YES	3 3	EF-1 EST-6	--	C-9	
CV-3-855	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-3-841A	1	GLOBE	A/O	2	B	A	NO	FC	YES	3 3 3	EF-1 EF-7 EST-2	--	D-9	
CV-3-841B	1	GLOBE	A/O	2	B	A	NO	FC	YES	3 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 &amp; 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	IND NO.	VALVE COORD	REMARKS
3-895V	3/4	GLOBE	MAN	2	A/E	P	LC	FAI	NO	1 1	SLT-1 OC-1	0	D-12	
MOV-3-866A	2	GLOBE	MO	1	B/E	A	LC	FAI	YES	2 2 1	EF-2 EST-3 OC-1	6	D-15	
MOV-3-866B	2	GLOBE	MO	1	B/E	A	LC	FAI	YES	2 2 1	EF-2 EST-3 OC-1	6	D-15	
MOV-3-843A	4	GATE	MO	2	B	A	HC	FAI	YES	3	EF-1	--	C-13	
MOV-3-843B	4	GATE	MO	2	B	A	HC	FAI	YES	3 3 3	EST-6 EF-1 EST-6	--	C-13	
3-876A	8	CHECK	SA	1	C	A	HC	--	NO	2	EF-2	7	D-15	
3-876B	8	CHECK	SA	1	C	A	HC	--	NO	2	EF-2	7	A-13	
3-876C	8	CHECK	SA	1	C	A	HC	--	NO	2	EF-2	7	A-11	
3-876D	8	CHECK	SA	1	C	A	HC	--	NO	2	EF-2	8	A-13	
3-876E	8	CHECK	SA	1	C	A	HC	--	NO	2	EF-2	8	A-11	

SYSTEM  
TITLE SAFETY INJECTION SYSTEM (SIS)PROGRAM  
TITLE VALVE TEST PROGRAMCHART  
TITLE E-503185TABLE 1  
TESTS TO CODE



## FLORIDA POWER &amp; LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/PAS	NORM. POS.	FAILURE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	RUB NO.	VALVE CODE	REMARKS
879A	3	CHECK	SA	2	C	A	NC	--	NO	3	EF-1	19	D-7	
879B	3	CHECK	SA	2	C	A	NC	--	NO	3	EF-1	19	C-7	
879C	3	CHECK	SA	2	C	A	NC	--	NO	3	EF-1	19	C-7	
879D	3	CHECK	SA	2	C	A	NC	--	NO	3	EF-1	19	C-7	
3-875A	10	CHECK	SA	1	C	A	NC	--	NO	2	EF-2	9	A-16	
3-875B	10	CHECK	SA	1	C	A	NC	--	NO	2	EF-2	9	A-17	
3-875C	10	CHECK	SA	1	C	A	NC	--	NO	2	EF-2	9	A-17	
MOV-3-865A	10	GATE	MO	2	E	P	LO	FAI	YES	1	OC-1	0	B-15	
MOV-3-865B	10	GATE	MO	2	E	P	LO	FAI	YES	1	OC-1	0	B-13	
MOV-3-865C	10	GATE	MO	2	E	P	LO	FAI	YES	1	OC-1	0	B-11	
3-2915	2	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	0	D-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	RUB NO.	VALVE (X)(B)	REMARKS
3-2916	2	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	0	B-9	
3-2917	2	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	0	B-9	
3-885	10	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	0	A-11	
3-887	8	BUTFY	MAN	2	E	P	LO	FAI	NO	1	OC-1	0	B-6	
886-A	6	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	0	D-6	
886-B	6	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	0	C-6	
886-C	6	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	0	C-6	
886-D	6	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	0	C-6	
888-A	3	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	0	D-7	
888-B	3	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	0	C-7	
SYSTEM TITLE				PROGRAM TITLE						TABLE 1 TESTS TO CODE				
SAFETY INJECTION SYSTEM (SIS)				VALVE TEST PROGRAM										
E-503185														



**FLORIDA POWER & LIGHT COMPANY**

FLORIDA POWER & LIGHT COMPANY														
VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	RIB NO.	VALVE CODE	REMARKS
888-C	3	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	0	C-7	
888-D	3	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	0	C-7	
845-A	4	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	0	D-7	
845-B	4	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	0	C-7	
845-C	4	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	0	C-7	
845-D	4	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	0	C-7	
3-844-A	8	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	0	B-6	
3-844-B	8	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	0	B-6	
3-891-A	6	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	0	B-9	
3-891-B	6	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	0	B-9	

SYSTEM  
TITLE

SAFETY INJECTION SYSTEM (SIS)

PROGRAM  
TITLE

VALVE TEST PROGRAM

TABLE 1  
TESTS TO CODE

CHART  
TITLE

E-503185

FLORIDA POWER & LIGHT COMPANY

FLORIDA POWER & LIGHT COMPANY														
VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	RUN NO.	VALVE (X) (O) (R)	REMARKS
3-868A	2	GLOBE	MAN	1	E	P	LO	---	NO	1	OC-1	0	C-15	
3-868B	2	GLOBE	MAN	1	E	P	LO	---	NO	1	OC-1	0	C-15	
3-868C	2	GLOBE	MAN	1	E	P	LO	---	NO	1	OC-1	0	C-15	

SYSTEM  
TITLE

SAFETY INJECTION SYSTEM (SIS)

CHART  
TITLE

E-503185

PROGRAM  
TITLE

VALVE TEST PROGRAM

TABLE 1

TESTS TO CODE



**FLORIDA POWER & LIGHT COMPANY**

FLORIDA POWER & LIGHT COMPANY																		
VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	RRI NO.	VALVE (XOIN)	REMARKS				
SV-3-2908	2	GATE	SO	2	B	A	HC	FAI	NO	1	EF-2	13	C-9	*See Alternate Testing in Request for Relief Basis <div>↓</div>				
SV-3-2909	2	GATE	SO	2	B	A	HC	FAI	NO	1	EF-2	13	C-9					
SV-3-2910	2	GATE	SO	2	B	A	NC	FAI	NO	1	EF-2	13	C-9					
3-2918	2	CHECK	SA	2	C	A	HC	--	NO	1	*	14	D-10					
3-2919	2	CHECK	SA	2	C	A	NC	--	NO	1	*	14	D-9					
3-2920	2	CHECK	SA	2	C	A	HC	--	NO	1	*	14	D-9					
3-2921	2	CHECK	SA	2	C	A	NC	--	NO	1	*	14	D-10					
3-2922	2	CHECK	SA	2	C	A	HC	--	NO	1	*	14	D-9					
3-2923	2	CHECK	SA	2	C	A	NC	--	NO	1	*	14	D-9					
3-874A	2	CHECK	SA	1	C	A	HC	--	NO	1	EF-2	15	D-17					
3-874B	2	CHECK	SA	1	C	A	HC	--	NO	1	EF-2	15	D-17					
SYSTEM TITLE				SAFETY INJECTION SYSTEM (SIS)								PROGRAM TITLE			VALVE TEST PROGRAM		TABLE II TO CODE AND RELIEF REQUEST	
CHART TITLE				E-503185														

FLORIDA POWER & LIGHT COMPANY

FLORIDA POWER & LIGHT COMPANY														
VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CNT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REN. POS. IND.	TEST PER.	ISI TESTS	RUN NO.	VALVE CODE	REMARKS
3-873A	2	CHECK	SA	1	C	A	NC	--	NO	1	EF-2	16	C-15	
3-873B	2	CHECK	SA	1	C	A	NC	--	NO	1	EF-2	16	C-15	
3-873C	2	CHECK	SA	1	C	A	NC	--	NO	1	EF-2	16	C-14	
3-875D	10	CHECK	SA	1	C	A	NC	--	NO	1	EF-2	17	B-15	
3-875E	10	CHECK	SA	1	C	A	NC	--	NO	1	EF-2	17	B-13	
3-875F	10	CHECK	SA	1	C	A	NC	--	NO	1	EF-2	17	B-11	
3-890A	6	CHECK	SA	2	C	A	NC	--	NO	1	*	18	B-8	* See Alternate Testing in Request for Relief Basis
3-890B	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  
TO CODE AND  
RELIEF REQUEST

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

NOTE:

NO TABLE 11 VALVES

SYSTEM  
TITLE AUX. COOL. COMP. COOL. (AACC)PROGRAM  
TITLE VALVE TEST PROGRAMTABLE 1  
TESTS TO CODECHART  
TITLE F-503187









**FLORIDA POWER & LIGHT COMPANY**

FLORIDA POWER & LIGHT COMPANY														
VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	RUN NO.	VALVE (X)(H)	REMARKS
3-787C	16	GATE	MAN	3	B	P	NO	FAI	NO	---	---	0	C-12	
3-787E	16	GATE	MAN	3	B	P	NO	FAI	NO	---	---	0	C-15	
3-787F	16	GATE	MAN	3	B	P	NO	FAI	NO	---	---	0	C-15	
<div>NOTE:</div> <div>NO TABLE II VALVES</div>														
SYSTEM TITLE				AUX. COOL. COMP. COOL. (ACCC)										
ENGINE				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	REN. POS. IND.	TEST PER.	ISI TESTS	RRB NO.	VALVE (COORD)	REMARKS
PCV-3-1014	1	GLOBE	A/O	2	A	A	NC	FC	NO	3 3 1	EF-1 EF-7 SLT-1	--	D-6	
CV-3-4658A	3/4	DIAPH	A/O	2	B	A	NO	FC	YES	3 3 3	EF-1 EF-7 EST-2	--	C-7	
CV-3-4658B	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-3-4659A	3/4	DIAPH	A/O	2	B	A	NO	FC	YES	3 3 3	EF-1 EF-7 EST-2	--	C-7	
CV-3-4659B	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-3-4660A	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					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	RIB NO.	VALVE COORD	REMARKS
CV-3-4668B	3	DIAPH	A/O	2	A	A	NO	FC	YES	3 3 3 1	EF-1 EF-7 EST-2 SLT-1	--	B-6	
<p><u>NOTE:</u></p> <p>NO TABLE 11 VALVES</p>														
SYSTEM TITLE WASTE DISPOSAL-LIQUID					PROGRAM TITLE VALVE TEST PROGRAM							TABLE 1 TESTS TO CODE		
CHART TITLE F-507189														

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	RUB NO.	VALVE COIN	REMARKS
CV-3-519A	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	
3-518	3/4	CHECK	SELF	2	AC	A	NC	--	NO	2 1	EF-2 SLT-1	2	A-11	
CV-3-516	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-3-551A	4	SAFE	SA	1	C	A	NC	--	NO	1	TF-1	--	A-7	
RV-3-551B	4	SAFE	SA	1	C	A	NC	--	NO	1	TF-1	--	A-7	
RV-3-551C	4	SAFE	SA	1	C	A	NC	--	NO	1	TF-1	--	A-6	

NOTE:

NO TABLE 11 VALVES

SYSTEM  
TITLE

REACTOR COOLANT (RCS)

PROGRAM  
TITLE

VALVE TEST PROGRAM

TABLE 1  
REACTOR COOLANT













## FLORIDA POWER &amp; 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 CODE	REMARKS
CV-3-2908	10	BUTFY	A/O	2	B	A	NC	FO	YES	3 3 3	EF-1 EF-7 EST-3	--	C-11	
CV-3-2810	6	PLUG	A/O	2	B	A	NO	FC	YES	3 3 3	EF-1 EF-7 EST-3	--	A-11	
CV-3-2812	6	PLUG	A/O	2	B	A	NO	FC	YES	3 3 3	EF-1 EF-7 EST-3	--	B-11	
CV-3-2814	6	PLUG	A/O	2	B	A	NO	FC	YES	3 3 3	EF-1 EF-7 EST-3	--	B-11	
3-10-567	2	CHECK	SELF	2	AC	P	NC	--	NO	1	SLT-1	0	D-6	
<p>NOTE:</p> <p>NO TABLE II VALVES</p>														

SYSTEM TITLE PRIMARY MAKEUP AND CONT. COOL.

PROGRAM TITLE VALVE TEST PROGRAM

CHART TITLE F-502036

TABLE 1  
TESTS TO CODE

## FLORIDA POWER &amp; LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/PAS	NORM. POS.	FAILURE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	RWD NO.	VALVE (XXX)	REMARKS
IIV-3-1	2	DIAPH	MAN	2	E	A	LC	FAI	NO	2 1	EF-2 OC-1	1	F-10	
IIV-3-2	2	DIAPH	MAN	2	AE	A	LC	FAI	NO	2 1 1	EF-2 OC-1 SLT-1	2	F-10	
IIV-3-3	2	DIAPH	MAN	2	E	A	LC	FAI	NO	2 1	EF-2 OC-1	1	F-10	
IIV-3-4	2	DIAPH	MAN	2	AE	A	LC	FAI	NO	2 1 1	EF-2 OC-1 SLT-1	2	F-10	
POV-3-2600	48	BUTFY	AO	2	A	P	HC	FC	YES	1	SLT-1	0	D-2	
POV-3-2601	48	BUTFY	AO	2	A	P	HC	FC	YES	1	SLT-1	0	D-3	
POV-3-2602	54	BUTFY	AO	2	A	P	HC	FC	YES	1	SLT-1	0	D-2	
POV-3-2603	54	BUTFY	AO	2	A	P	HC	FC	YES	1	SLT-1	0	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	RUN NO.	VALVE (X000)	REMARKS
CV-3-2819	2	PLUG	AO	2	A	A	NO	FC	YES	3 3 3 1	EF-1 EF-7 EST-3 SLT-1	--	D-2	
CV-3-2826	2	PLUG	AO	2	A	A	NO	FC	YES	3 3 3 1	EF-1 EF-7 EST-3 SLT-1	--	D-1	
SV-3-2911	1	PLUG	SO	2	A	A	NO	FC	YES	3 3 3 1	EF-1 EF-7 EST-3 SLT-1	--	C-8	
SV-3-2912	1	PLUG	SO	2	A	A	NO	FC	YES	3 3 3 1	EF-1 EF-7 EST-3 SLT-1	--	D-8	
SV-3-2913	1	PLUG	SO	2	B	A	NO	FC	YES	3 3 3	EF-1 EF-7 EST-3	--	C-8	

SYSTEM  
TITLE  
PAGE

## CONTAINMENT VENTILATION

PROGIAA  
FILE

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

SYSTEM TITLE	CONTAINMENT VENTILATION SYSTEM	PROGRAM TITLE	VALVE TEST PROGRAM	TABLE II TO CODE AND RELIEF REQUEST
CHART TITLE	F-502037			





FLORIDA POWER & LIGHT COMPANY														
VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REN. POS. IND.	TEST PER.	ISI TESTS	RWD NO.	VALVE (XX)RD	REMARKS
CV-3-2821	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-3-2822	3	PLUG	A/O	2	A	A	NO	FC	YES	3 3 3 1	EF-1 EF-7 EST-2 SLT-1	--	C-9	
<p><u>NOTE:</u></p> <p>NO TABLE 11 VALVES</p>														
SYSTEM TITLE					PROGRAM TITLE					TABLE 1 TESTS TO CODE				
CONT. & RADWASTE DRAINS & VENTS					VALVE TEST PROGRAM									

**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-3-751	10,000	19A	MOV-3-880A	5,000	33	SV-3-2911	2,000
5	CV-3-516	500	19B	MOV-3-880B	5,000	34	3-40-204	2,000
6	CK-3-518	2,500	20	CV-3-956C	1,000	34	3-40-205	2,000
7	CV-3-519A	2,000	23	CV-3-2821	2,000	35	POV-3-2600	15,000
8	CV-3-956A	1,000	23	CV-3-2822	2,000	35	POV-3-2601	15,000
9	CV-3-956B	1,000	24A	3-297A	1,000	36	POV-3-2602	15,000
10	CV-3-4650B	500	24A	CK-3-298A	2,000	36	POV-3-2603	15,000
10	PCV-3-1014	2,000	24B	3-297B	1,000	42	CV-3-855	500
14	CV-3-200A	3,000	24B	CK-3-298B	2,000	47	CK-3-10-567	4,000
14	CV-3-200B	3,000	24C	3-297C	1,000	51	IIV-3-4	1,000
14	CV-3-200C	3,000	24C	CK-3-298C	2,000	52	CV-3-4660B	2,000
14	CV-3-204	1,000	25	MOV-3-381	2,000	54A	MOV-3-861A	7,000
15	IICV-3-121	2,000	29	CV-3-2803	2,000	54B	MOV-3-861B	7,000
15	3-333	2,000	29	CK-3-40-336	4,000	55	CV-3-956D	1,000
15	CK-3-312C	4,000	31	CV-3-4659B	500	63	CV-3-2819	2,000
16	IIV-3-2	1,000	32	CK-3-11-003	2,000	63	CV-3-2826	2,000
17	3-895V	500	32	SV-3-2912	2 000			

SYSTEM  
TITLE

VARIOUS

PROGRAM  
TITLE

VALVE TEST PROGRAM

CHART  
TITLE

VARIOUS

TABLE I.A  
VALVE LEAKAGE RATES

## II PUMP TEST PROGRAM

### II.A. Table IV - Test Parameters

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

FLORIDA POWER & LIGHT COMPANY							
PUMP	PUMP NO.	TEST PARAMETERS					
		Speed, n	Inlet Pressure, P <sub>i</sub>	Differential Pressure, ΔP	Flow Rate, Q	Vibration Amplitude, V	Bearing Temperature, T <sub>b</sub> (1)
Auxiliary Feed	P2A	Yes	Yes	Yes	Yes <sup>(3)</sup>	Yes	Yes
	P2B	Yes	Yes	Yes	Yes <sup>(3)</sup>	Yes	Yes
	P2C	Yes	Yes	Yes	Yes <sup>(3)</sup>	Yes	Yes
Intake Cooling Water	3-P9A	No	Yes	Yes	Yes <sup>(3)</sup>	Yes	NO
	3-P9B	No	Yes	Yes	Yes <sup>(3)</sup>	Yes	NO
	3-P9C	No	Yes	Yes	Yes <sup>(3)</sup>	Yes	NO
Residual Heat Removal	3-P210A	No	Yes	Yes	No <sup>(2)</sup>	Yes	NO
	3-P210B	No	Yes	Yes	No <sup>(2)</sup>	Yes	NO
Component Cooling	3-P211A	No	Yes	Yes	Yes <sup>(3)</sup>	Yes	Yes
	3-P211B	No	Yes	Yes	Yes <sup>(3)</sup>	Yes	Yes
	3-P211C	No	Yes	Yes	Yes <sup>(3)</sup>	Yes	Yes
Containment Spray	3-P214A	No	Yes	Yes	No <sup>(2)</sup>	Yes	Yes
	3-P214B	No	Yes	Yes	No <sup>(2)</sup>	Yes	Yes

PROGRAM  
TITLE  
PUMP TEST PROGRAM

TABLE IV



FLORIDA POWER & LIGHT COMPANY							
PUMP	PUMP NO.	TEST PARAMETERS					
		Speed, RPM	Inlet Pressure, PSI	Differential Pressure, PSI	Flow Rate, GPM	Vibration Amplitude, V	Bearing Temperature, T <sub>b</sub> (1)
High Head Safety Injection	P215A	No	Yes	Yes	No <sup>(2)</sup>	Yes	Yes
	P215B	No	Yes	Yes	No <sup>(2)</sup>	Yes	Yes
	P215C	No	Yes	Yes	No <sup>(2)</sup>	Yes	Yes
	P215D	No	Yes	Yes	No <sup>(2)</sup>	Yes	Yes
<p>NOTE (1): BEARING TEMPERATURE, T<sub>b</sub>, IS MEASURED ONLY ON THE ANNUAL TEST.</p> <p>NOTE (2): FIXED HYD. RESISTANCE SYSTEM</p> <p>NOTE (3): VARIABLE HYD. RESISTANCE SYSTEM</p>							
PROGRAM TITLE				PUMP TEST PROGRAM			
				TABLE IV			







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	RIR NO.	VALVE COORD	REMARKS
3-752A	14	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	0	E-5	
3-752B	14	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	0	G-5	
3-754A	10	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	0	F-8	
3-754B	10	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	0	H-8	
3-757A	10	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	0	F-9	
3-757B	10	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	0	H-9	
3-759A	10	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	0	F-10	
3-759B	10	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	0	H-10	
SYSTEM TITLE				PROGRAM TITLE						TABLE 1 TESTS TO CODE				
AUX. COOL. RES. HEAT REM. (RIR)				VALVE TEST PROGRAM										
CHART TITLE														
F-503194														



## FLORIDA POWER &amp; 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	RRI NO.	VALVE COORD	REMARKS
MOV-3-751	14	GATE	NO	1	AE	P	LC	FAI	YES	1 1	SLT-1 OC-1	0 0	C-5	
MOV-3-750	14	GATE	NO	1	B	P	NC	FAI	YES	---	---	0	D-5	

SYSTEM  
TITLE

AUX. COOL. RES. HEAT REM.

PROGRAM  
TITLE

VALVE TEST PROGRAM

CHART  
TITLE

F-503194

TABLE II  
TO CODE AND  
RELIEF REQUEST







## FLORIDA POWER &amp; 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	RRR NO.	VALVE COORD	REMARKS
POV-3-2604	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-3-2605	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-3-2606	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-3-1403	3	GATE	MO	2	B	A	NC	FAI	YES	3 3	EF-1 EST-3	--	C-12	
MOV-3-1404	3	GATE	MO	2	B	A	NC	FAI	YES	3 3	EF-1 EST-3	--	D-12	
MOV-3-1405	3	GATE	MO	2	B	A	NC	FAI	YES	3 3	EF-1 EST-3	--	D-12	
RV-3-1400	6	RELIEF	SELF	2	C	A	NC	--	NO	1	TF-1	--	C-10	
RV-3-1401	6	RELIEF	SELF	2	C	A	NC	--	NO	1	TF-1	--	C-9	

SYSTEM  
TITLE

STEAM SYSTEM

PROGRAM  
TITLE

VALVE TEST PROGRAM

TABLE I





## FLORIDA POWER &amp; 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	RIB 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	
3-10-083	4	CHECK	SELF	3	C	A	NC	--	NO	3	EF-1	--	E-12	
3-10-085	4	CHECK	SELF	3	C	A	NC	--	NO	3	EF-1	--	E-12	
3-10-087	4	CHECK	SELF	3	C	A	NC	--	NO	3	EF-1	--	F-12	
3-10-82A	4	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	0	E-11	
3-10-82B	4	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	0	E-11	
3-10-84A	4	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	0	E-11	
3-10-84B	4	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	0	E-11	
3-10-86A	4	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	0	F-11	
3-10-86B	4	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	0	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	RRR NO.	VALVE COORD	REMARKS
3-10-119	3	S/CHK	MAN/SA	3	E/C	A	LO/NC	--	NO	1 3	OC-1 EF-1	--	C-12	
3-10-219	3	S/CHK	MAN/SA	3	E/C	A	LO/NC	--	NO	1 3	OC-1 EF-1	--	D-12	
3-10-319	3	S/CHK	MAN/SA	3	E/C	A	LO/NC	--	NO	1 3	OC-1 EF-1	--	D-12	
3-10-120	4	S/CHK	MAN/SA	3	E/C	A	LO/NC	--	NO	1 3	OC-1 EF-1	--	C-12	
3-10-220	4	S/CHK	MAN/SA	3	E/C	A	LO/NC	--	NO	1 3	OC-1 EF-1	--	D-12	
3-10-320	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

NOTE: NO TACLE II VALVES

SYSTEM	
TITLE	STEAM SYSTEM
CHART	
TITLE	5 500007

PROGRAM TITLE	
------------------	--

# VALVE TEST PROGRAM

TABLE I  
TESTS TO CODE

## FLORIDA POWER &amp; LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REN. POS. IND.	TEST PER.	ISI TESTS	RRD NO.	VALVE COORD	REMARKS
MOV-3-1425	1	GATE	MO	2	B	A	NO	FAI	YES	2 2	EF-2 EST-3	1	E-11	
MOV-3-1426	1	GATE	MO	2	B	A	NO	FAI	YES	2 2	EF-2 EST-3	1	F-11	
MOV-3-1427	1	GATE	MO	2	B	A	NO	FAI	YES	2 2	EF-2 EST-3	1	F-11	
MOV-3-1410	2	GLOBE	MO	2	B	A	NO	FAI	YES	2 2	EF-2 EST-3	2	C-10	
MOV-3-1411	2	GLOBE	MO	2	B	A	NO	FAI	YES	2 2	EF-2 EST-3	2	C-10	
MOV-3-1412	2	GLOBE	MO	2	B	A	NO	FAI	YES	2 2	EF-2 EST-3	2	C-11	
CV-3-2900	14	CHECK	W/O	2	C	A	NO	FAI	NO	2	EF-2	3	D-7	
CV-3-2901	14	CHECK	W/O	2	C	A	NO	FAI	NO	2	EF-2	3	D-8	
CV-3-2902	14	CHECK	W/O	2	C	A	NO	FAI	NO	2	EF-2	3	D-9	

SYSTEM  
TITLE  
CHART

CONDENSATE AND FEEDWATER

PROGRAM  
TITLE

VALVE TEST PROGRAM

TABLE 1  
TESTS TO CODE



## FLORIDA POWER &amp; 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	RUN NO.	VALVE CODE	REMARKS
CV-3-2816	4	PLUG	AO	2	B	A	NC	FC	NO	3 3	EF-1 EF-7	4	B-10	
CV-3-2817	4	PLUG	AO	2	B	A	NC	FC	NO	3 3	EF-1 EF-7	4	B-11	
CV-3-2818	4	PLUG	AO	2	B	A	NC	FC	NO	3 3	EF-1 EF-7	4	C-11	
CV-3-2831	4	PLUG	AO	2	B	A	NC	FC	NO	3 3	EF-1 EF-7	4	B-10	
CV-3-2832	4	PLUG	AO	2	B	A	NC	FC	NO	3 3	EF-1 EF-7	4	B-11	
CV-3-2833	4	PLUG	AO	2	B	A	NC	FC	NO	3 3	EF-1 EF-7	4	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 1  
TESTS TO CODE





## FLORIDA POWER &amp; LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REN. POS. IND.	TEST PER.	ISI TESTS	RRU NO.	VALVE COORD	REMARKS
3-20-242	6	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	0	C-12	
3-20-342	6	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	0	D-12	
3-20-144	6	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	0	B-13	
3-20-244	6	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	0	C-13	
3-20-344	6	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	0	D-13	
3-20-400	10	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	0	A-12	

NOTE:

NO TABLE II VALVES

SYSTEM  
TITLE

CONDENSATE AND FEEDWATER

PROGRAM  
TITLE

VALVE TEST PROGRAM

CHART  
TITLE

F-502028

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	RUN NO.	VALVE CXXIUN	REMARKS
3-40-204	2	GATE	MAN	2	AE	A	LC	FAI	NO	2 1 1	EF-2 OC-1 SLT-1	1	A-10	
3-40-205	2	CHECK	SELF	2	AC	A	NC	--	NO	2 1	EF-2 SLT-1	2	A-11	
3-40-203	2	GATE	MAN	2	DE	A	LC	FAI	NO	2 1	EF-2 OC-1	3	A-10	
CV-3-2803	2	PLUG	A/O	2	AE	P	LO	FO	NO	1 1	OC-1 SLT-1	0	C-8	
SYSTEM TITLE				PROGRAM TITLE										
CHART TITLE				VALVE TEST PROGRAM										
F-502030				TABLE I TESTS TO CODE										

LIME OIL SERVICE &amp; INSTR. AIR

F-502030

VALVE TEST PROGRAM

TABLE I  
TESTS TO CODE

## FLORIDA POWER &amp; 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	RUN NO.	VALVE COORD	REMARKS
3-40-336	2	CHECK	SA	2	AC	A	NO	--	NO	1 1	EF-2 SLT-1	4	C-8	
<div> <div>SYSTEM TITLE</div> <div>CLIENT TITLE</div> </div> <div> <div>PROGRAM TITLE</div> <div></div> </div> <div> <div>TABLE II TO CODE AND RELIEF REQUEST</div> </div>														

LUBE OIL SERVICE &amp; INSTR. AIR

F-502030

VALVE TEST PROGRAM

TABLE II  
TO CODE AND  
RELIEF REQUEST



## FLORIDA POWER &amp; 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	RUB NO.	VALVE COORD	REMARKS
3-50-311	24	CHECK	SA	3	C	A	NO	--	NO	3	EF-1	--	F-3	
3-50-321	24	CHECK	SA	3	C	A	NO	--	NO	3	EF-1	--	F-4	
3-50-331	24	CHECK	SA	3	C	A	NO	--	NO	3	EF-1	--	F-5	
<p><u>NOTE:</u></p> <p>NO TABLE II VALVES</p>														
SYSTEM TITLE					PROGRAM TITLE					TABLE I TESTS TO CODE				
INTAKE COOL WATER					VALVE TEST PROGRAM									

## FLORIDA POWER &amp; 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	RRR 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 11 VALVES

SYSTEM  
TITLE  
CHART

DIESEL OIL

PROGRAM  
TITLE

VALVE TEST PROGRAM

TABLE 1



ATTACHMENT B-1

TURKEY POINT UNIT NO. 3

RELIEF REQUEST BASIS

## RELIEF REQUEST BASIS

SYSTEM:

- Chemical Volume Control System
- Safety Injection System
- Auxiliary Coolant, Component Cooling Water System
- Auxiliary Coolant, Residual Heat Removal System
- Steam System
- Condensate and Feedwater System
- Lube Oil, Service and Instrument Air System
- Containment and Radwaste Drains and Vents
- Containment Ventilation
- Reactor Coolant System
- Sampling
- Waste Disposal - Liquid
- Diesel Oil
- Primary Makeup and Containment Cooling
- Intake Cooling Water System

0. Valve: Passive Valves listed in Table I and Table II  
Category: Passive  
Class: 1, 2, or 3

Test Requirement: IWV - 3410

**Basis for Relief:** "Passive Valves" are not required to change position to either safely shut down the reactor or mitigate the consequences of an accident.





RELIEF REQUEST BASIS

SYSTEM: Diesel Oil

1. Valve: SV-3522A and SV-3522B  
Category: B  
Class: 2

Function: Provides the flow path from the Emergency Diesel-generator Diesel Oil Day Tank to the Skid-mounted Diesel Oil Tank.

Test Requirement: IWV-3410

Basis for Relief: These self-contained, completely enclosed solenoid valves have no external valve position indicators. Therefore, stroke-time measurements and valve position verification is impractical.

Alternate Testing: An increase in level in the Skid-mounted Diesel Oil Tank while exercising these valves quarterly will demonstrate that the moving parts of the valve function satisfactorily.

2. Valve: CV-2046A and CV-2046B  
Category: B  
Class: 3

Function: Provides the flow path from the Emergency Diesel-generator Diesel Oil Transfer Pump Discharge Header to the Diesel Oil Day Tanks.

Test Requirement: IWV-3410

Basis for Relief: Valve stroke-time is not essential for the valve to fulfill its safety related function.

Alternate Testing: Exercising these valves quarterly will demonstrate that the moving parts of the valve function satisfactorily.

RELIEF REQUEST BASIS

SYSTEM: Chemical and Volume Control

1. Valve: CV-3-200A, CV-3-200B, and CV-3-200C  
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: DWV-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-3-204  
Category: A  
Class: 2

Function: Provides the letdown flow path during plant operation.

Test Requirement: DWV-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-3-381  
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.. (Deleted)



RELIEF REQUEST BASIS

SYSTEM: Chemical and Volume Control

5. Valve: HCV-3-121  
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 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: This valve will be tested during cold shutdowns.

6. Valve: CV-3-310A and CV-3-310B  
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-3-115C  
Category: B  
Class: 2

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

Test Requirement: IWW-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-3-115B  
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-3 -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: 3-312A and 3-312B  
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: 3-351  
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: 3-357  
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: 3-298A, 3-298B, and 3-298C  
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: 3-312C  
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-3-860A and MOV-3-860B  
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: IWR-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-3-861A and MOV-3-861B  
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: IWR-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-3-863A and MOV-3-863B  
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-3-872  
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-3-855  
Category: A  
Class: 2

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

Test Requirement: IWW-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: MCV-3-866A and MCV-3-866B  
Category: BE  
Class: 1

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

Test Requirement: IWW-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 3-874A or 3-874B, 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: 3-876A, 3-876B, and 3-876C  
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: IWW-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: 3-876D and 3-876E  
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: IWW-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: 3-875A, 3-875B, 3-875C  
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- 3-864A and MOV-3 -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: IWB-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 Boron 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-3-862A and MOV-3-862B  
Category: BE  
Class: 2

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

Test Requirement: IWW-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 using the residual heat removal system.

Alternate Testing: These valves will be tested during refueling shutdowns

13. Valve: SV-3-2905, SV-3-2906, SV-3-2907, SV-3-2908, SV-3-2909, and SV-3-2910  
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: IWW-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 causing the filters and containment. Testing of these valves by connecting an external water source would also cause the filters.

Alternate Testing: These valves will be tested during refueling shutdowns



11  
12  
13  
14

RELIEF REQUEST BASIS

SYSTEM: Safety Injection

14. Valve: 3-2918, 3-2919, 3-2920, 3-2921, 3-2922, and 3-2923  
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 disassembled, 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: 3-874A and 3-874B  
Category: C  
Class: 1

Function: Prevents reverse flow from the Reactor Coolant System Hot Legs 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.





RELIEF REQUEST BASIS

SYSTEM: Safety Injection

16. Valve: 3-873A, 3-873B, and 3-873C  
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: IWW-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: 3-875D, 3-875E, and 3-875F  
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: IWW-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: 3-890A and 3-890B  
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 causing 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.

19. Valve: 879A, 879B, 879C, and 879D  
Category: C  
Class: 2

Function: Prevents reverse flow from the High Pressure Safety System Supply Header to a non-operating High Pressure Safety Injection Pump.

Test Requirement: IWV-3520

Basis for Relief: These valves cannot be tested during plant operation because the High Pressure Safety Injection System 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 check valves will be exercised during refueling shutdown.

Additional Testing: These check valves will be exercised quarterly during the performance of associated pump tests.

RELIEF REQUEST BASIS

SYSTEM: Auxiliary Coolant, Component Cooling Water

1. Valve: CV-3-739  
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: 3-738  
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-3-716A  
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: IWW-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-3-716B  
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: IWW-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: MCV-3-730  
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-3-626  
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-3-519A  
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 3-518  
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: Auxiliary Coolant, Residual Heat Removal

1. Valve: MOV-3-744A and MOV-3-744B  
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 3-876A, 3-876B, or 3-876C, 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.



RELIEF REQUEST BASIS

SYSTEM: Main Steam

1. Valve: PCV-3-2604, PCV-3-2605, PCV-3-2606  
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-3-1425, MOV-3-1426, and MOV-3-1427  
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-3-1410, MOV-3-1411, and MOV-3-1412  
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-3-2900, CV-3-2901, and CV-3-2902  
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.

4. Valve: CV-3-2816, CV-3-2817, CV-3-2818, CV-3-2831, CV-3-2832, and CV-3-2833  
Category: B  
Class: 2

Function: Provides a flow path from the Auxiliary Feedwater Pump Discharge Header to Steam Generator Nos. 3A, 3B, or 3C.

Test Requirement: IWV-3410

Basis for Relief: These valves are manually controlled, modulating valves. Therefore, valve stroke-time is not essential to fulfill their safety related function.

Alternate testing: Exercising these valves quarterly will demonstrate that the moving parts of the valve function satisfactorily.



RELIEF REQUEST BASIS

SYSTEM: Primary Make-up and Containment Cooling Water

1. Valve: MOV-3-1417 and MCV-3-1418

Category: B

Class: 2

Function: Provides the component cooling water supply (MOV-3-1417) and return (MCV-3-1418) 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: Service Air (Lube Oil, Service and Instrument Air)

1. Valve: 3-40-204  
Category: AE  
Class: 2

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

Test Requirement: IWW-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: 3-40-205  
Category: AC  
Class: 2

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

Test Requirement: IWW-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: 3-40-203  
Category: BE  
Class: 2

Function: Provides the flow path from the Service Air System to the containment (valve in series with 3-40-204).

Test Requirement: IWV-3410

Basis for Relief: This valve is required to be tested only to provide the necessary flow path to valve 3-40-204 and will be tested during cold shutdowns (See 3-40-204 RRS 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: 3-40-336  
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: Containment Ventilation

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

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

Test Requirement: IWB-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-3-2 and EV-3-4  
Category: AE  
Class: 2

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

Test Requirement: IWB-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: 3-11-003  
Category: AC  
Class: 2

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

Test Requirement: IWW-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.

RELIEF REQUEST BASIS

SYSTEM: Sampling

1. Valve: CV-3-956A, CV-3-956B, CV-3-956C, and CV-3-956D  
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: IWW-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.

