ATTACHMENT A

Turkey Point Unit No. 3

Section I Valve Test Program

Section II Pump Test Program

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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 1980 Edition of the ASME Boiler and Pressure Vessel Code thru Winter 1980 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 December 14, 1982, and ends December 14, 1992.

Section II. Pump Test Program Outline

The pump test program shall be conducted in accordance with Subsection IWP of Section XI of the 1980 Edition of the ASME Boiler and Pressure Vessel Code thru Winter 1980 Addenda, except for specific relief requested in accordance with 10 CFR 50.55a(g) - (5) - (iii) which is identified in Subsection II.A. The period for the pump test program starts December 14, 1982, and ends December 14, 1992.

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 - I.G. List of Category (A-B-C) Valves:
 Table II To Code and Relief Request
 - I.H. List of Exclusions: (IWV-1300)
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- I.I. Relief Request Basis Attachment A-1

Section II. Pump Test Program

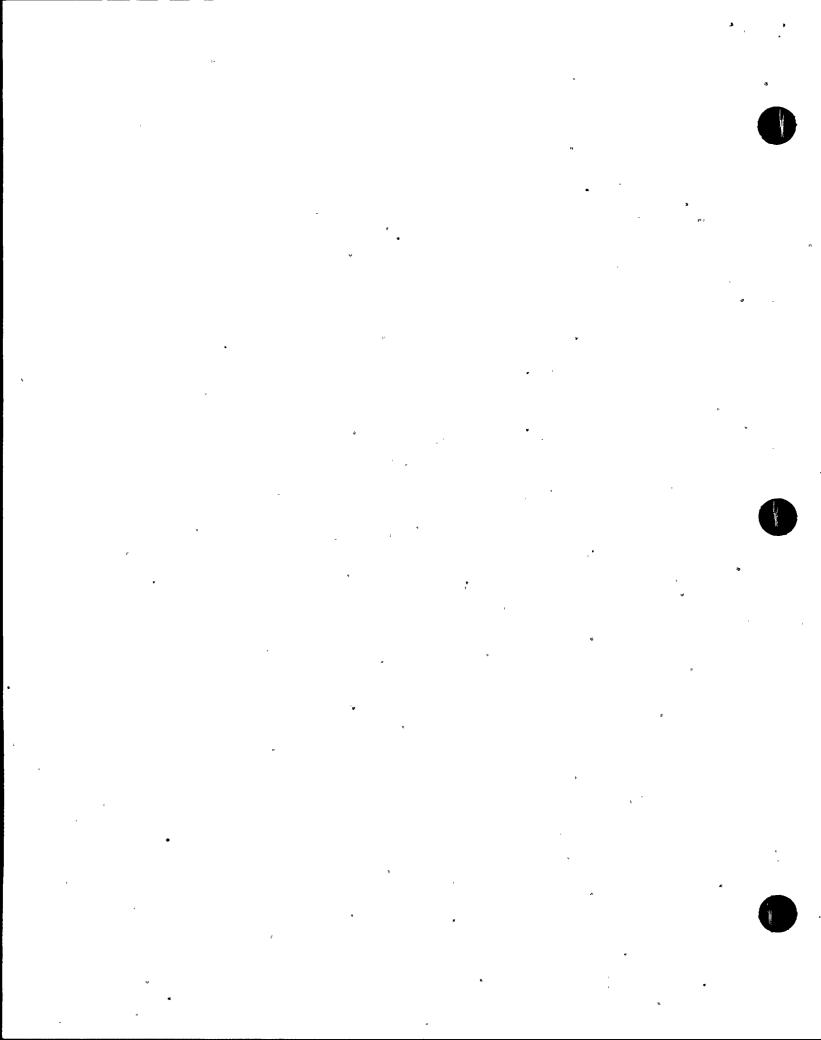
- II.A. Table IV Test Parameters
- II.B. Test Interval
- III.C. Attachment A-2

Relief Request Basis

I.A. LIST OF DRAWINGS

FPL NO. F-503184, F (5610-M-420-3, REV.	REV. 7	CHEMICAL & VOLUME CONTROL SYSTEM
FPL NO. E-503185, F (56-10-M-4-70-5, REV.		SAFETY INJECTION SYSTEM
FPL NO. F-503187, F (5610-M-450-57, REV	REV. 7 7. 9)	AUXILIARY COOLANT SYSTEM COMPONENT COOLING
FPL NO. F-503188, F (5610-M-450-57, REV	REV. 7	AUXILIARY COOLANT SYSTEM COMPONENT COOLING
FPL NO. F-503189, F (5610-M-500-28, REV	REV. 8	WASTE DISPOSAL SYSTEM
FPL NO. F-503191, F (5610-M-410-91, REV		REACTOR COOLANT SYSTEM
FPL NO. F-503193, F (5610-M-480-1, REV.	REV. 7	SAMPLING SYSTEM
FPL NO. F-503194, F (5610-M-450-53, REV		AUXILIARY COOLANT SYSTEM RESIDUAL HEAT REMOVAL
FPL NO. F-503195, I (5610-M-450-54), REV	REV. 4 74.6).	AUXILIARY COOLANT SYSTEM SPENT FUEL PIT COOLING SYSTEM
FPL NO. F-502027, F (5610-M-1, F	REV. 14 REV. 14)	STEAM SYSTEM
FPL NO. F-502028, F (5610-M-2, F	REV. 15 REV. 18)	CONDENSATE AND FEEDWATER SYSTEMS
FPL NO. F-502030, F (5610-M-4, F	REV. 14 REV. 18)	LUBE OIL SERVICE AND INSTRUMENT AIR
FPL NO. F-502031, F (5610-M-5, F	REV. 14 REV. 17)	CIRCULATING WATER SALT WATER AND CHLORINATION SYSTEMS
FPL NO. F-502033, F (5610-M-7, F		DIESEL OIL
	REV.]4 REV. 18)	PRIMARY MAKE-UP CONTAINMENT COOLING WATER AND CHEMICAL INJECTION SYSTEMS
FPL NO. F-502037, F (5610-M-11, F	REV. 10 REV. 11)	CONTAINMENT VENTILATION SYSTEM
FPL NO. F-502038, F (5610-M-12, F	•	CONTAINMENT AND RADWASTE DRAINS AND VENTS

NOTE: Architect Engineer drawing number shown in parentheses.



I.B. LIST OF VALVE CATEGORIES (IWV-2200)

- Category A Valves for which seat leakage is limited to a specific maximum amount in the closed position for fulfillment of their function.
- Category B Valves for which seat leakage in the closed position is inconsequential for fulfillment of their function.
- Category C Valves which are self-actuating in response to some system characteristic, such as pressure (relief valves) or flow direction (check valves).
- Category D Valves which are actuated by an energy source capable of only one operation, such as rupture disks or explosive-actuated valves.
 - NOTE: When more than one distinguishing category characteristic is applicable, all requirements of each of the individual categories are applicable, although duplication or repetition of common testing requirements is not necessary.

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I.C. LIST OF DIFINITIONS

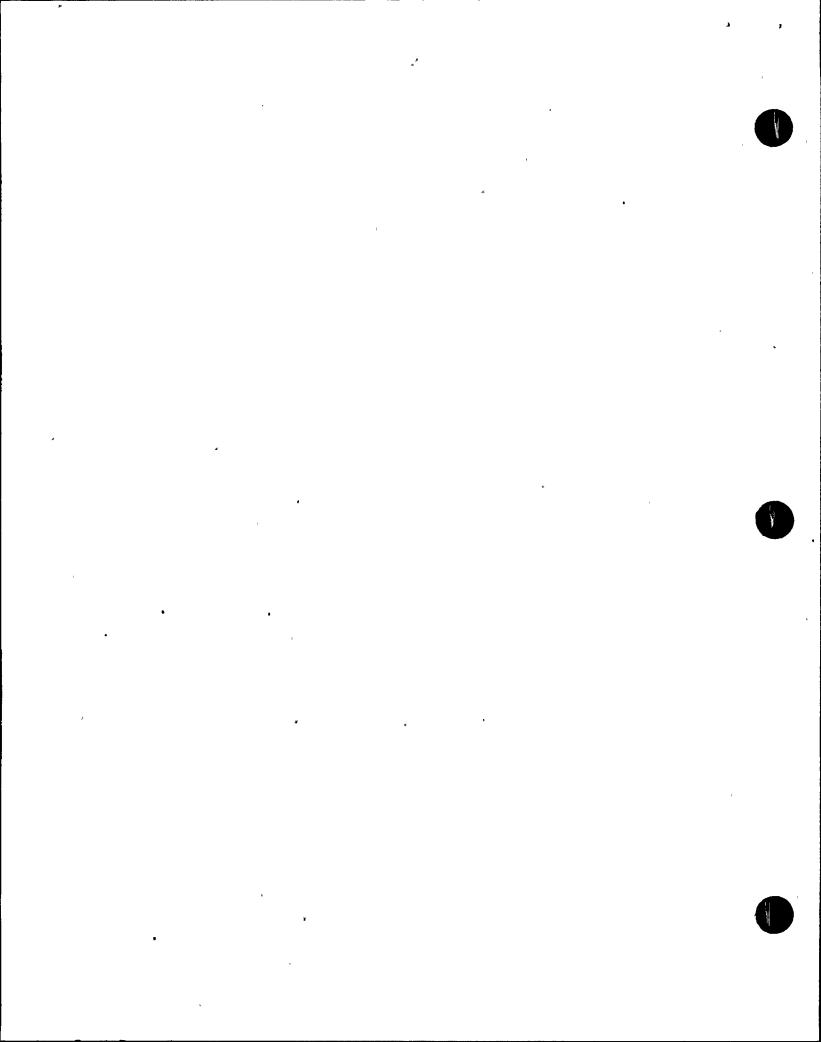
- 1. ACTIVE AND PASSIVE VALVES (IWV-2100)
 - (a) ACTIVE VALVES Valves which are required to change position to accomplish a specific function.
 - (b) PASSIVE VALVES Valves which are not required to change position to accomplish a specific function.
- 2. EXERCISING Exercising is the demonstration, based on direct or indirect visual or other positive indication, that the valve exhibits the required change of disk position to fulfill its function.
 - (a) <u>FULL STROKE</u> 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 SYMPOLS

IDENTIFICATION VALVE NUMBER: INCHES TYPE: GATE - GLOBE - CHECK - RELIEF - BALL SAFE . - SAFETY ' DIAPH DIAPHRAGM BUTFY - BUTTERFLY - STOP CHECK S/CHK - POWER ASSISTED CHECK POWER ASS'T CHECK ACTUATOR: A/O - AIR OPERATOR - ELECTRIC MOTOR OPERATOR MO ! SO - SOLENOID OPERATOR 3S/A, SA, · OR SELF - SELF ACTUATED ... 1 - 2 - 3CODE CLASS: A - B - C (OR COMBINATION OF) - SEE CCDE CATEGORY: TABLE A BELOW and SUB-SECTION I. B. A - P - (SEE TABLE A BELOW) ACTIVE/PASSIVE: - NORMALIX CREN NORMAL POSITION: NO - NORMALLY CLOSED NC - LOCKED OPEN IO IC - ICCED CLCSED - FAIL CREW FO FAILURE MCDE: - FAIL CLOSED FC · - FAIL AS. IS FAI REMOTE POSITION YES - NO MDICATION: REFUELING SEUTEDOWN TEST PERICD: COLD SECTECIAN - SEE NOTE (S) I FOR DEFINITION UNDER SUB-SECTION I. E. & I 3. OPERATION - 3 MONTES OR LESS (CODE) SEE APPROPRIATE LIST OF CATEGORY LEGAD DISERVICE DISPECTION: (SUB-SECTION I.E. & I. G.) (ISI) TESTS

ASTERESK (*) - OE .(1) DESPECTION

IMIERAL (IEN YEERS) .



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

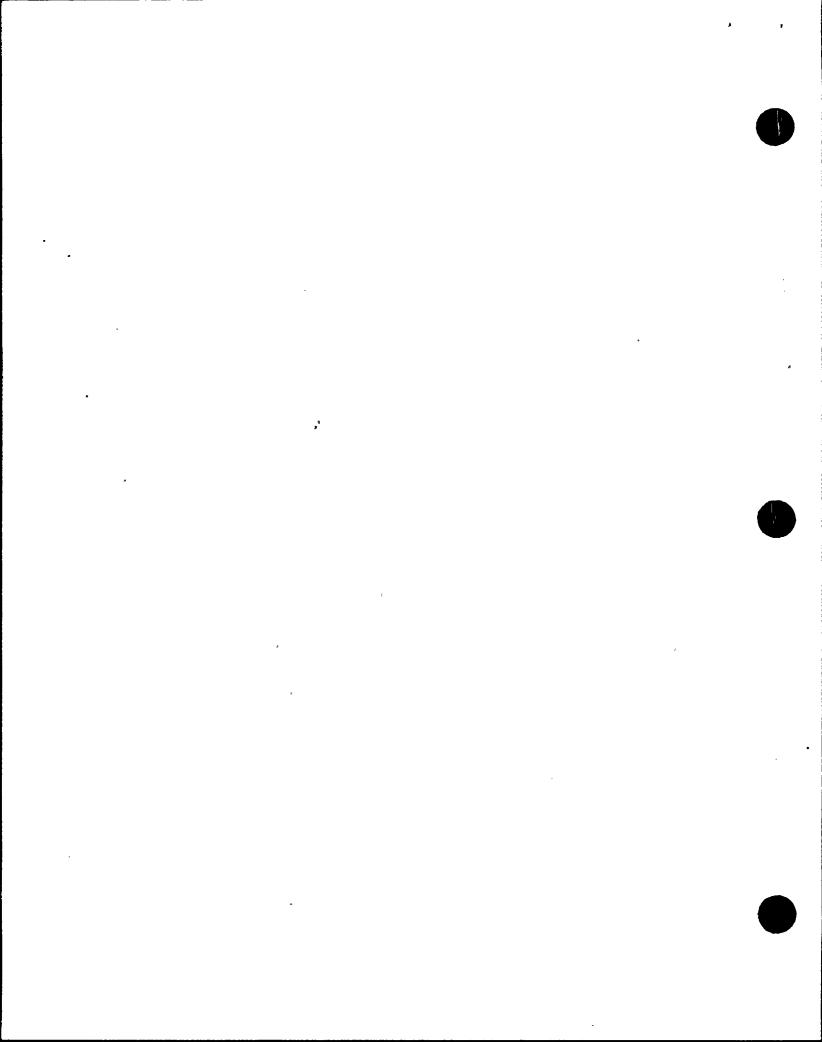
REMARKS

RELATED TO SPECIAL ALTERNATE TESTING

	TABLE	- A (TABLE	E IWV-3700-3	l)
VALVE CATEGORY	VALVE FUNCTION	CODE LEAK TEST	CODE EXERCISE TEST	SPECIAL TEST PROCEDURE
A	ACTIVE	IWV-3420	IWV-3410	NONE
Α	PASSIVE	IWV-3420	NONE	NONE
В	ACTIVE	NONE	IWV-3410	NONE
C - SAFETY AND			, ,	
RELIEF	ACTIVE	NONE	IWV-3510	NONE
C- CHECK (1)	ACTIVE	NONE	IWV-3520	NONE
D	ACTIVE	NONE .	NONE	IWV-3600

NOTE: (1) Combination Category AC Check Valves shall be leak tested IWV-3420.

⁽²⁾ No Tests required for Category B, C, and D passive valves.



I.E. LEGEND FOR TABLE I - TEST PARAMETERS TO CODE

CATEGORY A AND B VALVES

Exercising

- 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 refueling shutdown (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).
- EF-9 Exercise valve (with Fail-Safe Actuators) to observe failure mode during refueling shutdown (Code).

Measurement of Full Stroke Time'

- EST-l 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).

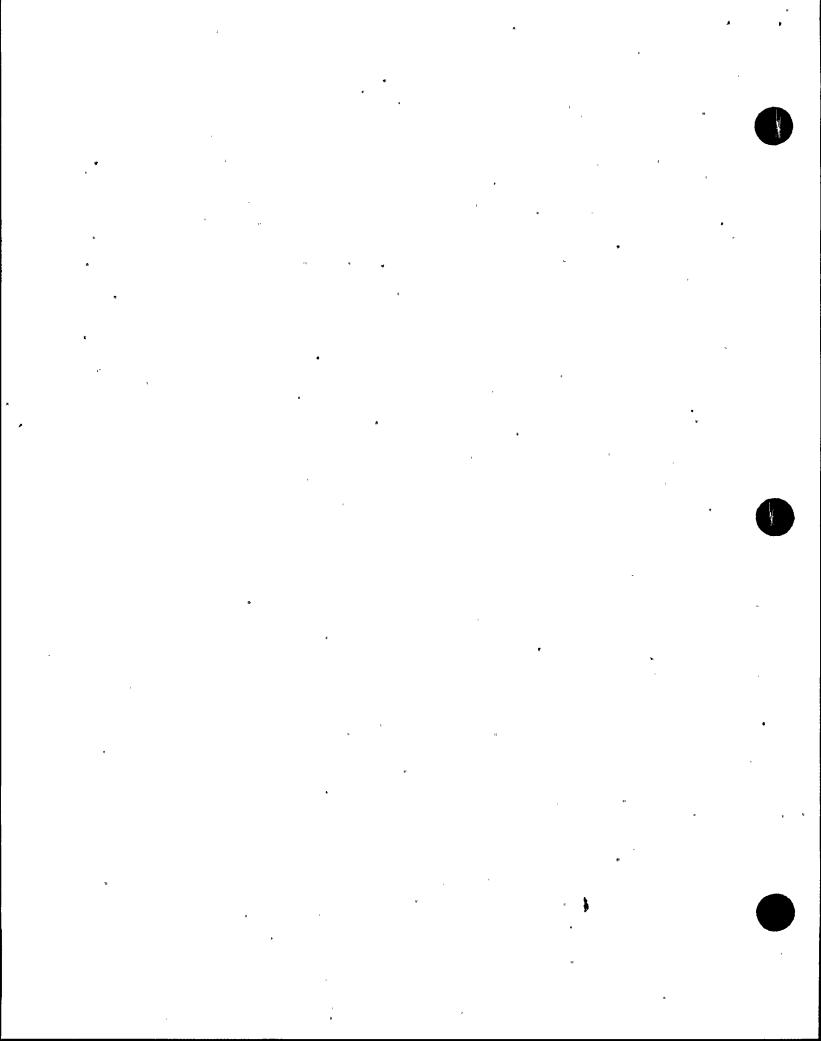
I.E. LIST OF CATEGORY (A-B-C-): LEGEND FOR TABLE I (CONT'D)

- CATEGORY "C" VALVES -

- EF-1 Exercise valve (full stroke) for operability every three (3) months (Code).
- EF-2 Exercise valve (full stroke) for operability during cold shutdown (Code).
- EF-3 Exercise valve (full stroke) for operability during refueling shutdown (Code).
- TF-l Safety and relief valve tests (Set Point) to ASME Table IWV-3510-1 (Code).

NOTES:

- Cold Shutdown ISI test scheduled for Test 1) 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, B, and C valves. Valves that are not tested during a specified Cold Shutdown, due to plant startup, will be identified to assure their testing in the event of untimely Cold Shutdowns within the three (3) month time period. In any event, plant startup shall not be delayed to complete valve testing.
- Corrective Action Where a valve fails to meet the requirements of the program and/or the reference Code, the condition(s) shall be reviewed by the Plant Nuclear Safety Committee for dispostion and determination of 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.E. LEGEND FOR TABLE I - TEST PARAMETERS TO CODE

CATEGORY A AND B VALVES (Continued)

Valve Leak Rate Tests

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

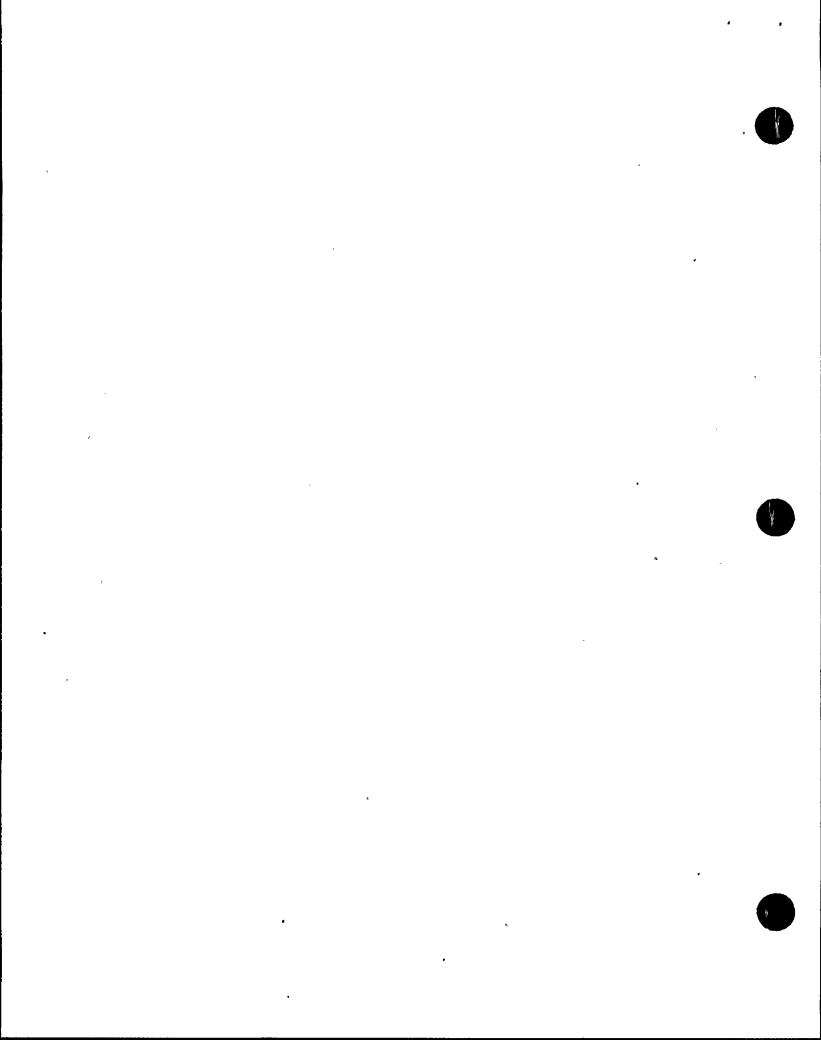
CATEGORY C VALVES

Check 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 refueling shutdown (Code).

Safety and Relief_Valves

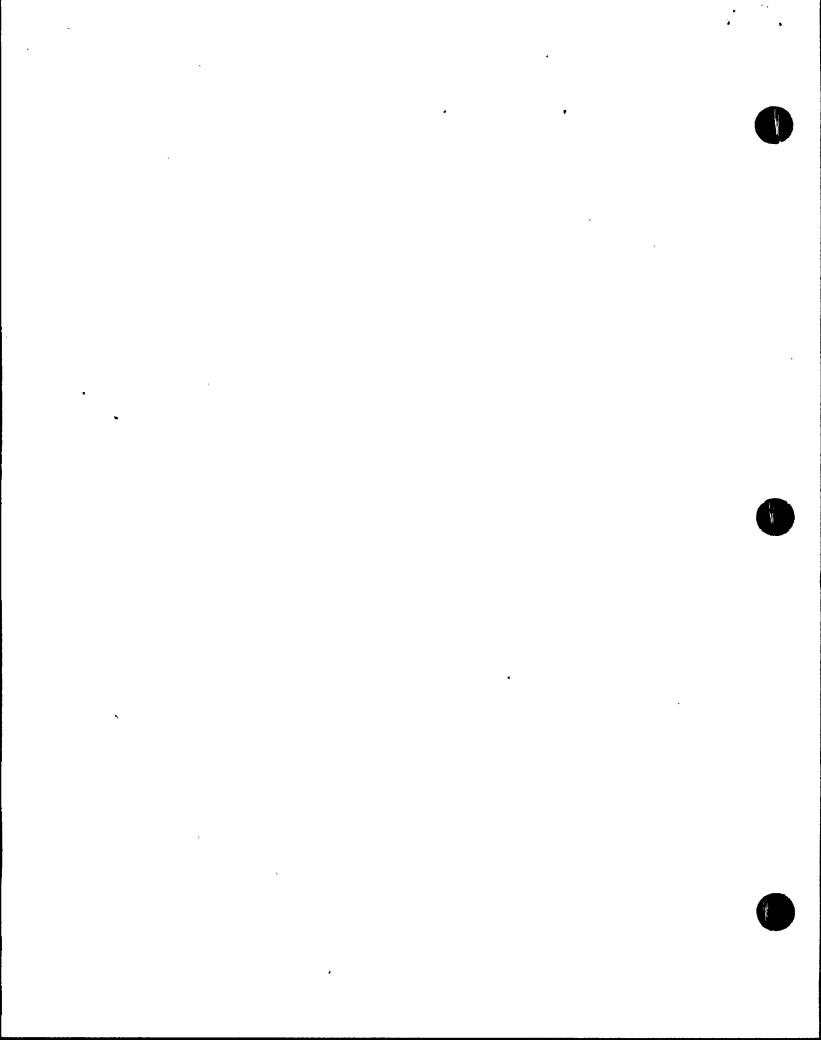
TF-1 Safety and relief valve tests (Set Point) to ASME Table IWV-3510-1 (Code).



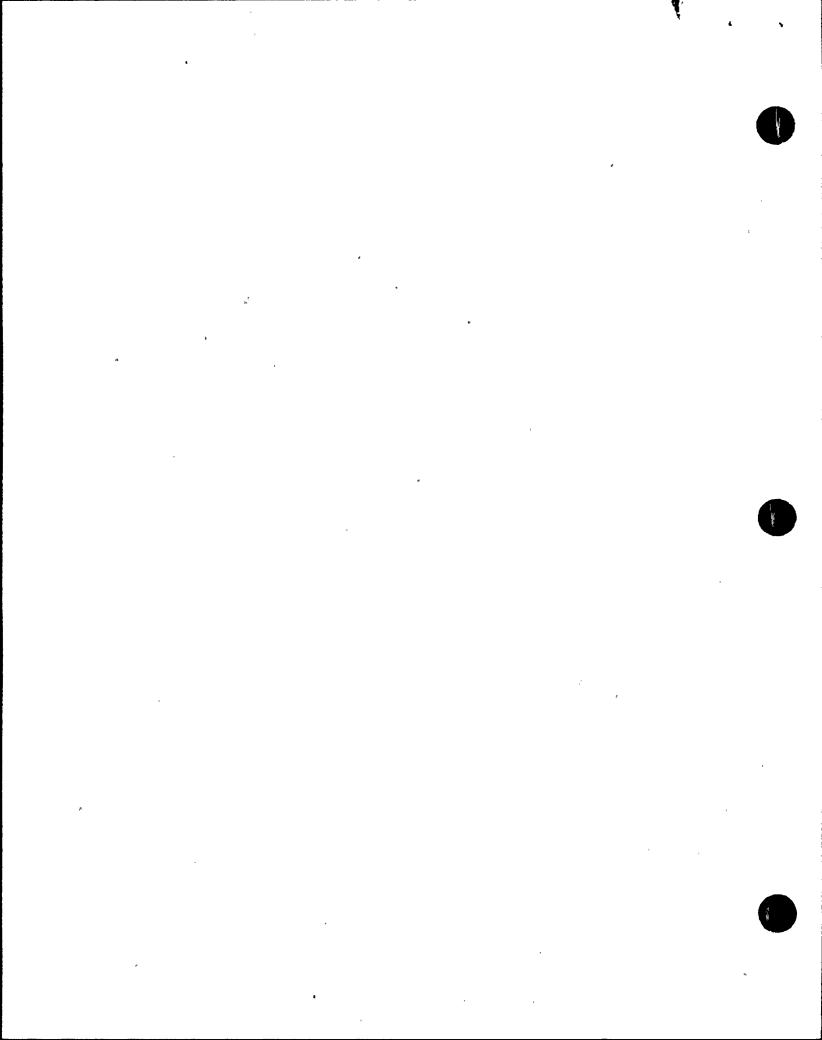
LE. LIST OF CATEGORY (A-B-C-): LEGEND FOR TABLE I (CONT'D)

NOTES:

- 1) Cold Shutdown - ISI test 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, B, and C valves. Valves that are not tested during a specified Cold Shutdown, due to plant startup, will be identified to assure their testing in the event of untimely Cold Shutdowns within the three (3) month time period. In any event, plant startup shall not be delayed to complete valve testing.
- Corrective Action Where a valve fails to meet the requirements of the program and/or the reference Code, the condition(s) shall be reviewed by the Plant Nuclear Safety Committee for dispostion and determination of whether it involves an unreviewed safety question prior to commencing with plant startup or continuing with plant operation.



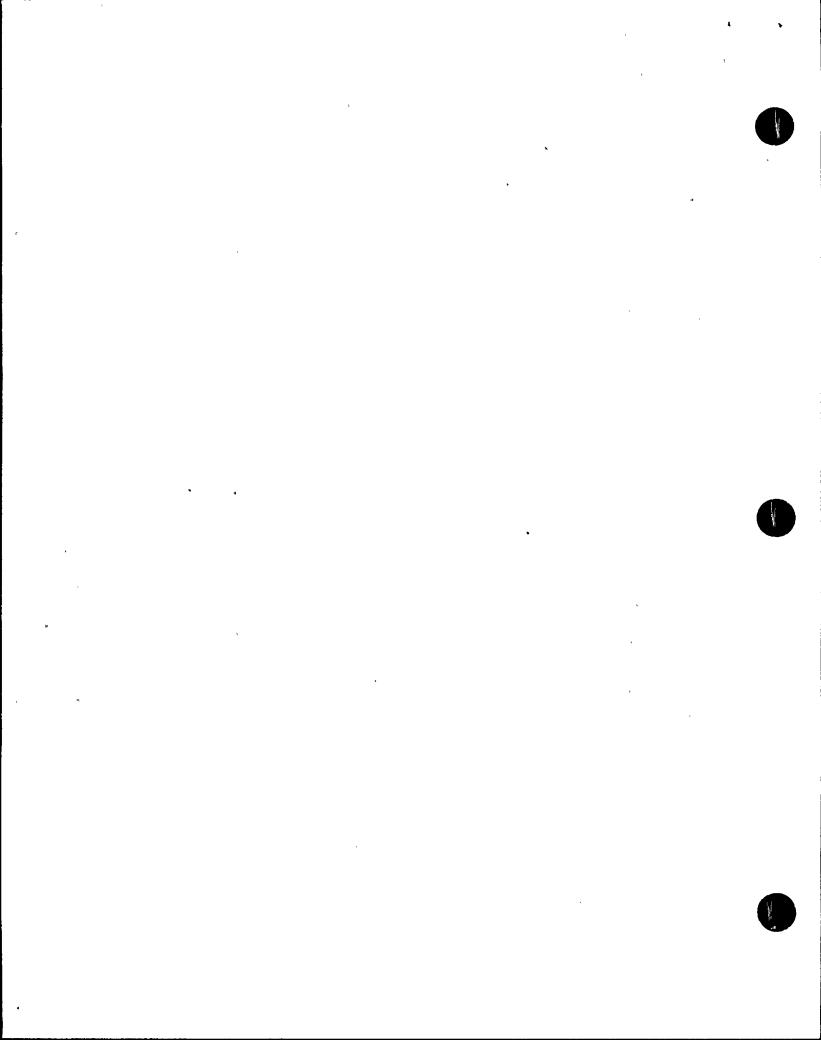
<u> </u>	•		••.		FL	ORIDA	POWER	LIGHT	COMPAN	Υ	•	4	-
VALVE NUMBER	SIZE	TYPE	ACTU.	CODE	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER	ISI . TESTS .	VALVE COORD	REMARKS
.RV-3-551A	4	SAFE	S/A	1	С	A .	NC.		ИО	1	TF-1	A-7 ·	
RV-3=551B	4	SAFE	S/A.	i	С	A	NC		ио	1	TF-1	A-7	
RV-3-551C .	4	SAFE	S/A	1	С	A	ИС		ИО	1	TF-1	A-6 ,	
SV-3-516	3/8	GLOBE	SO ·	2	A .	A .	NC	FC	YES	3 3 3 1	EF-1 EF-7 EST-3 SLT-1	A-12	
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VALVE NUMBER	SIZE	TYPE	ACTU.		CODE CAT.	nct/ Pas	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER	ISI TESTS	VALVE COORD	··.	Remarks
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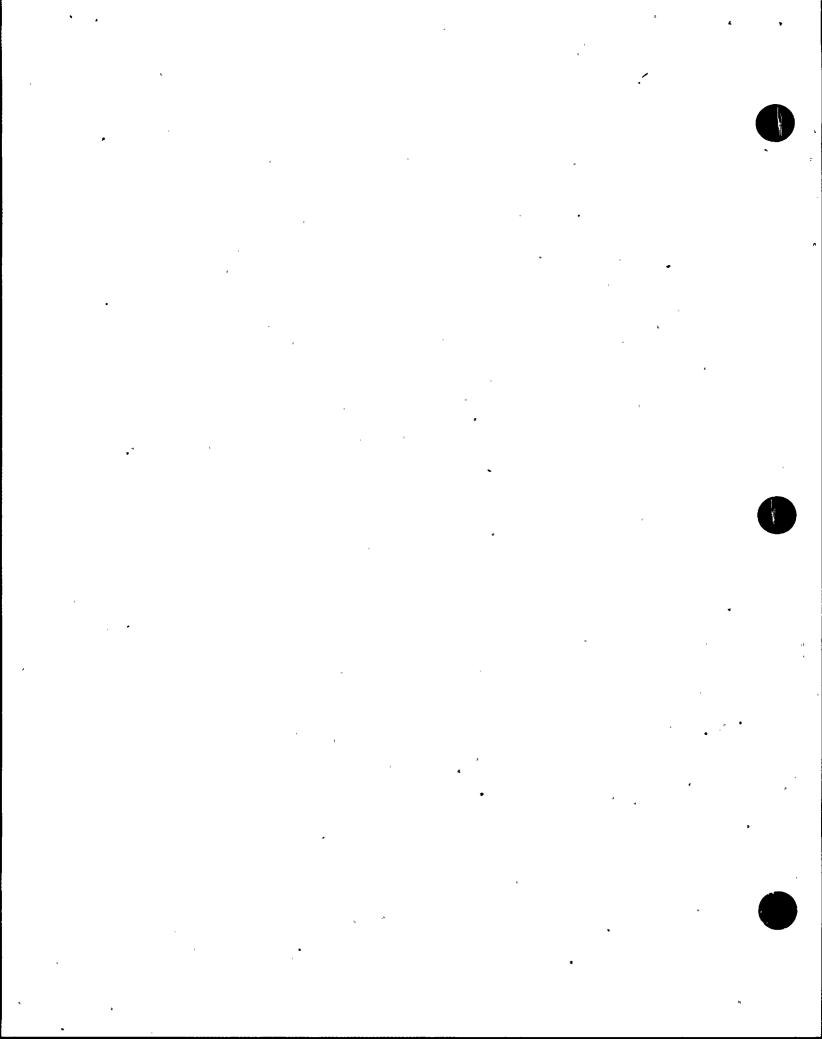
TITLE F-503184

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VALVE NUMBER	SIZE	TYPE	ACTU.	CODE		ACT/	norm. Pos.		TT	TEST PER	ISI TESTS	VALVE.	٠.	REMARKS :
			•	* <u>*</u>).	-		· ·						
3-945E	1	СНЕСК	SA	2	AC	P	NC		NO NO	1	SLT-1	C-9		•
MOV- 3-843A	4	GATE	мо .	·2	В	.Ψ	NC	FAI .	YES	3 3	EF-1 EST-6	C-13		
MOV- 3-843B	4	GATE	MO ·	:2	₿.	٨٠	ИС	FAL,	YES	3. 3	EF-1 EST-6	C-13		
MOV- 3-867A	. 4	GATE	, MO	2	В	P.	ro	FAI	YES			C-9		•
MOV- 3-867B	4	GATE .	MO ·	2	Β.	·P	ro	FAI	YES		1	C-9·		
MOV-3-869	3	GATE	MO :	2	В	. A	 NC	FAI	YES	. 3 . 3	EF-1 EST-3	D-12	-	
MOV-3-880A	, 6 .	GATE	МО	2	À	Α	NC	FŅI	YES	3 3 1	EF-1 EST-6 SLT-1	B-7	:.	
	6	GATE	МО	2	A	Ÿ	NC	FAI	YES	· 3	EF-1 . EST-6	B-7		•



VALVE NUMBER	SIZE	TYPE	ACTU.	CODE	CODE CAT:	act/ Pas	NORM. POS.	entr- nue node	REM. POS.	TEST PER	ISI TESTS	VALVE COORD	· REMARKS
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3-741A	2.	GLOBE	МАЙ	2	В	A,	ro	FAI .	ію	3	EF-1	D-11.	
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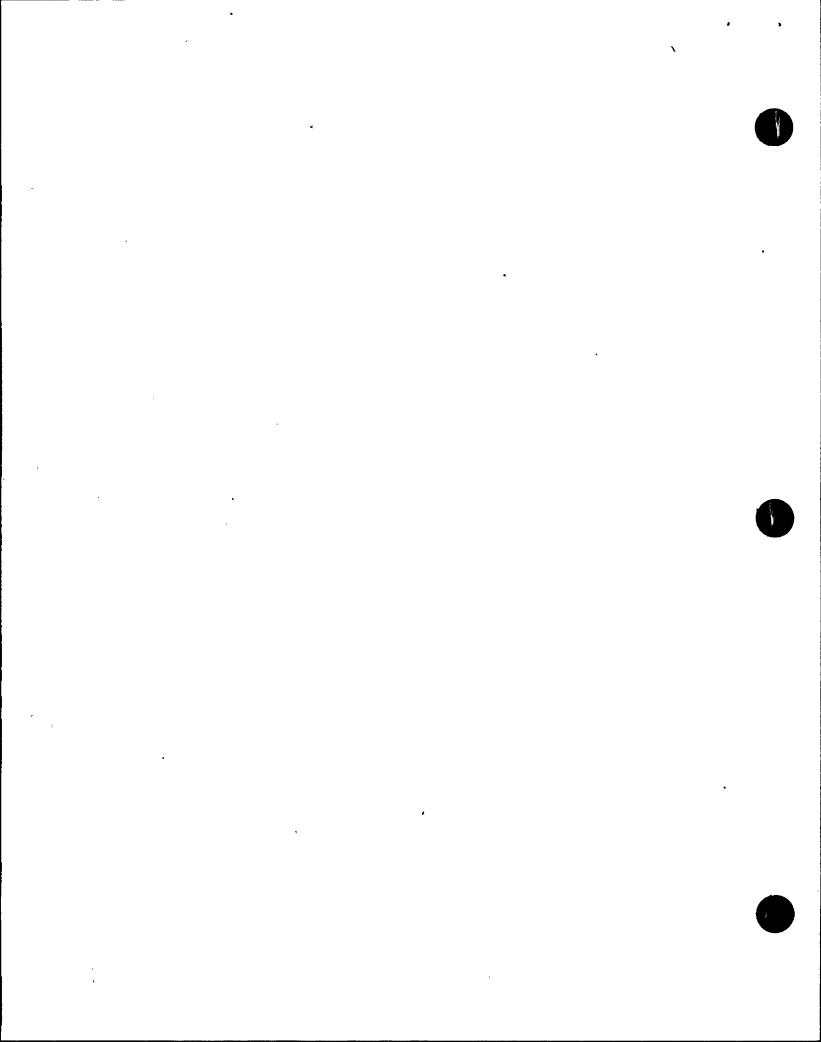
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VALVE NUMBER	SIZE	TYPE	ACTU.	CODE	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER	ISI TESTS:	VALVE.	· REM	ARKS :
NO TABLE I	VALVI	<u>s</u>	·	•	•		•			_		•	23	
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V)LVE	SIZE	TYPE	ACTU.	CODE	CODE		NORM.	FATL-		TEST	ISI	VALVE,	···	REMARKS .
NUMBER				CL.	CAT.		POS.	URE	POS.		TESTS	COORD		
3-702A	16	СНЕСК	'S/A	3	c _	A.	ио	·	NO	3	EF-1	C-11		•
3-702B	16	СНЕСК	S/A	3 '	С	A	ИО		NO.	· 3 -	EF-1	B-11	,	
3-702C	16	CHECK	S/A	3	·c.	A	ИО		ИО	3	EF-1	B-11	•	
10V-3-749A	16	GATE	МО	3	В	A	NC	FAI .	YES	3 3	EF-1 EST-5	D-5 .	·	· ·
10V-3-749B	16	GATE	мо	3	·B		NC.	FAI	YES	3 3	EF-1 EST-5	C-6		
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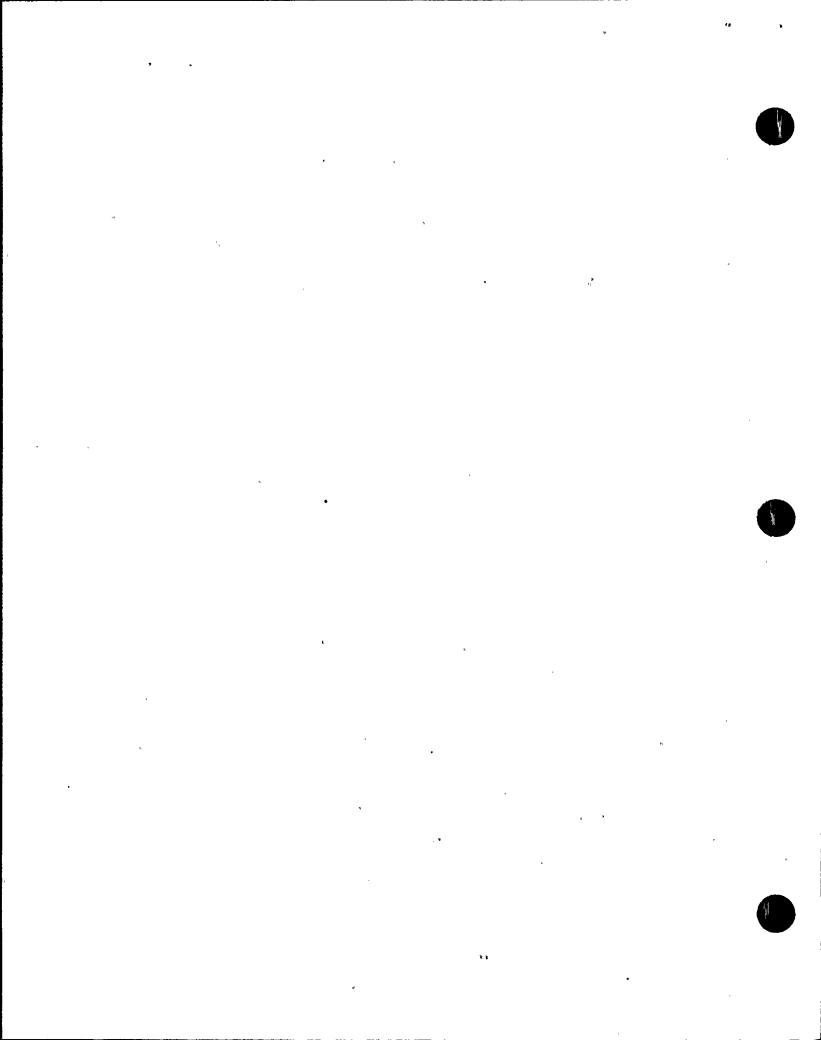
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VALVE NUMBER	SIZE	TYPE	ACTU.					FAIL- URE MODE			ISI TESTS	VALVE. COORD	: REMARKS
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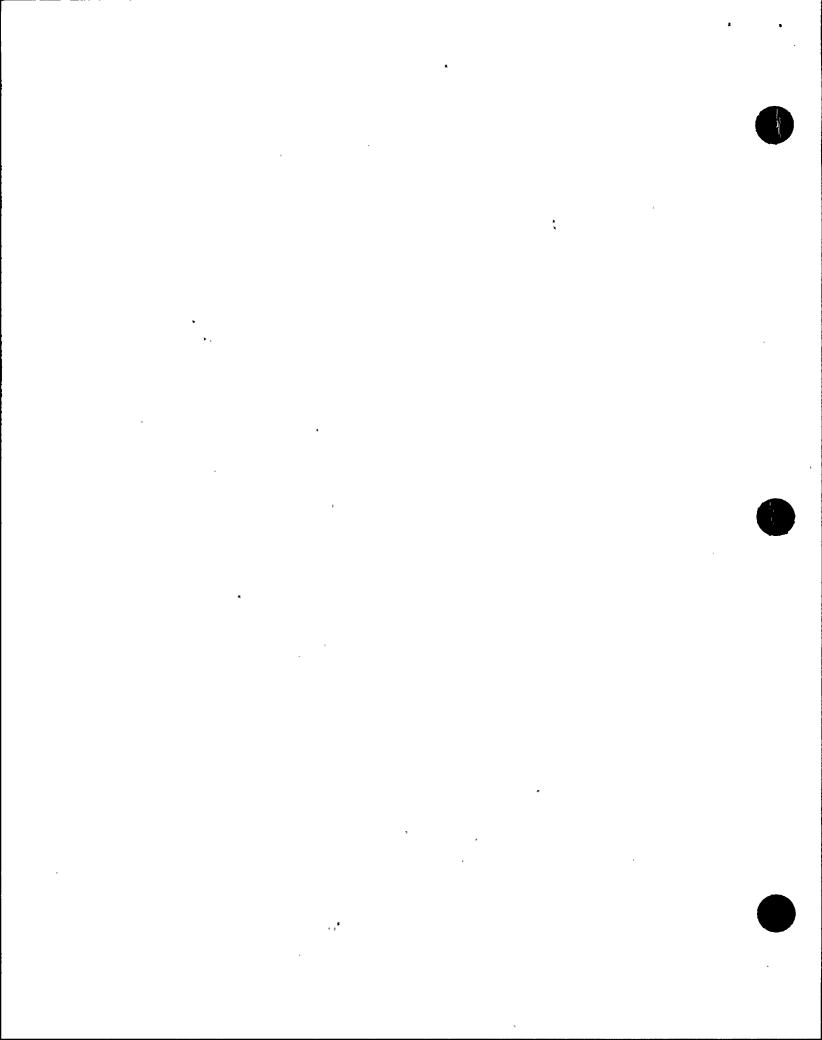
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TITLE F-503193



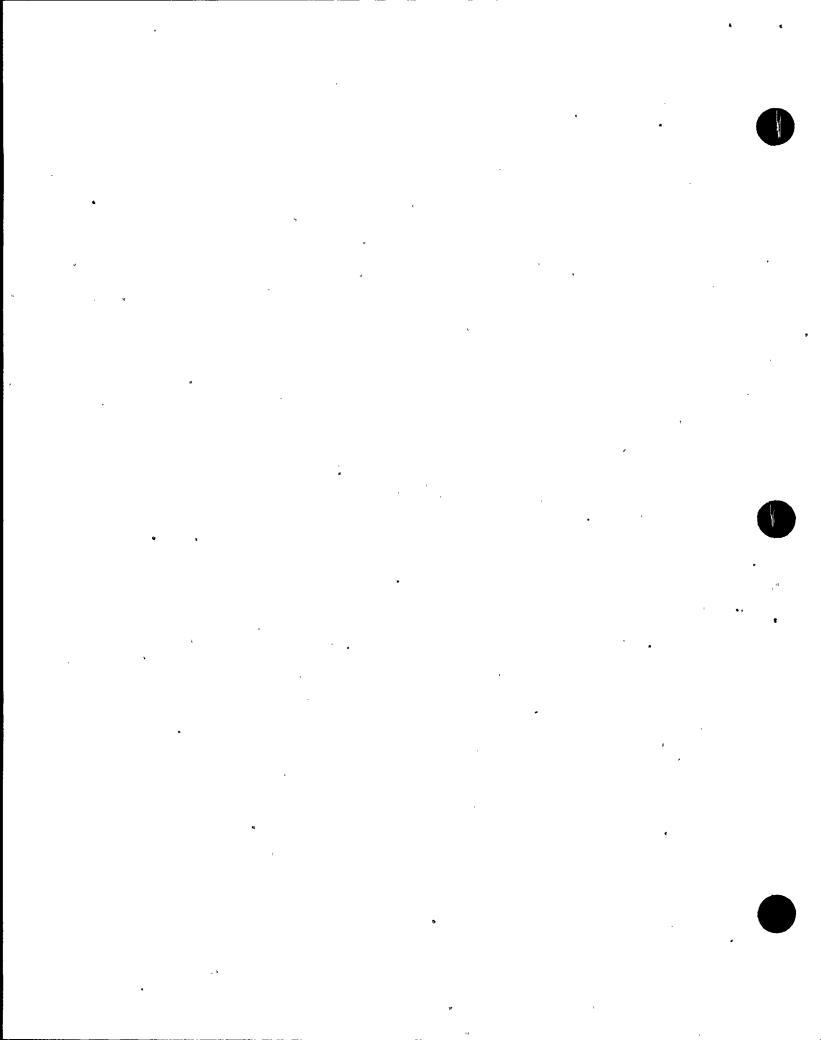
ALVE NUMBER	SIZE	TYPE	ACTU.	CODE	CODE CAT.	ACT/ PAS	norm. Pos.	FATL- UNE MODE	REM. POS. IND.	TEST PER	ISI TESTS	VALVE	· REMARKS
NO TABLE	I VAL	<u>yes</u>					•		tab.				
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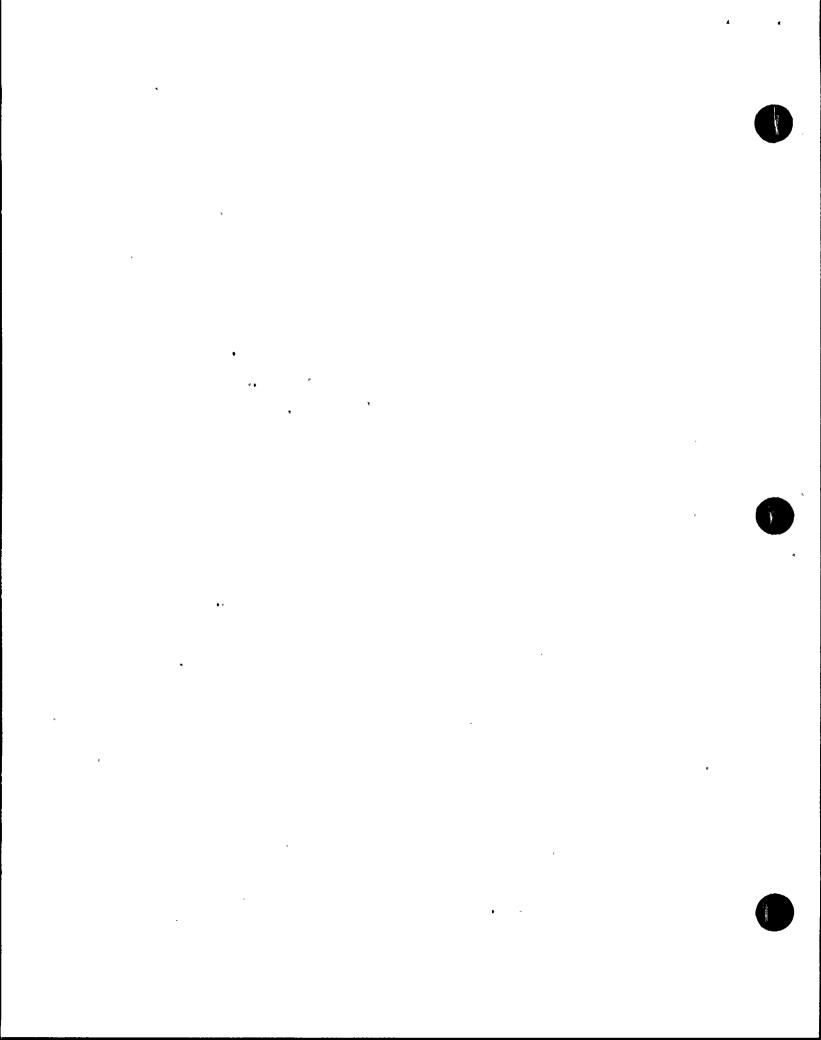
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VALVE NUMBER	SIZE	TYPE	ACTU.	CODE	CODE CAT.	ACT/	NORM.	FAIL- URE MODE		TEST PER	ISI TESTS .	VALVE.	· REMARKS :
RV-3-1400	6	SAFE .	.S/A	2	ć	A	NC		ИО	1	'TF-1	C-10	• • • • • • • • • • • • • • • • • • • •
 RV-3-1401	6	SAFE	S/A	·. ₂ ·	c.	JĄ,	NC		ИО	. 1	TF-1	C-9	
RV-3-1402	6	SAFE	S/A	2	С	A	, NC	7;	ио (1.	TF-1	C-10	,
RV-Ś−1403	6	Safe	s/A	2	c.	A	NC		ИО-	1	TF-1	C-9	• . • • •
RV-3-1405	6	SAFE	S/A	2	С	A	NC	<u>.</u>	NO .	· 1	TF-1	B-10	
RV-3-1406	6	SAFE	S/A	2	c ·	A	NC		ио	1	TF-1	B-10	•
RV-3-1407	6	SAFE	S/A	-2	c	A	NC	:	ио	1,	TF-1	B-11	
RV-3-1408	6	SAFE	S/A	. 2	c.	Α.	NC		NO	. 1	TF-1	B-10	
RV-3-1410	6	SAFE	S/A	2	С	А.	NC.		ио	.1	TF-1	C-11	
RV-3-1411	6	SAFE	S/A	2	·c	A.	NC		•ио-	1	TF-1	C-11	
RV-3-1412	6	SAFE	S/A	۰2	·c	A	NC		NO	· 1	TF-1	c-11	
RV-3-1413	6	SAFE	S/A	. 2	c	- A	NC .	· -	NO	1	TF-1	. C-10	-# ·
RV-3440	4	RELIEF	S/A	. 3	Ċ	·A	NC		ио	į	TF-1	E-12	
RV-3441	4 :	RELIEF	S/A	3	c.	A	NC		NO .	1	TF-i	· E-12	
2	4	RELIEF	S/A	. 3	С	·A	NC		МО	1	TF-1.	F-12	
RV-3442 	4	Kenree	3/ K										
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STEAM SYSTEM PROGRAM VALVE TEST PROGRAM TITLE F-502027										TABLE I TESTS TO CODE			

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•	-		. • . •		FL	ORIDA	POWER !	LIGHT	COMPAN	Y			**************************************
VALVE NUMBER	SIZE	TYPE	ACTU.	CODE	CODE CAT.		norm. Pos.	FAIL- URE MODE	REM. POS. IND.	TEST PER	ISI TESTS, .	VALVE.	REMARKS
.MOV-3-1403	3	GATE	∙мо	.2.	В	A	NC	FAI	YES	3 3	EF-1 EST-3	C-12	
MOV-3-1404	3	GATE	МО	. 2	В.	, A .	NC ·	FĄI	YES	3 3	EF-1 EST-3	D-12 ·	
MOV-3-1405	3	GATE	МО	2	В.	A	NC	FAI	.YES	3 : 3	EF-1 EST-3	D-12	.,
310-083	4	CHECK	S/A	. 3	C	A	NC		NO	3	EF-1	E-12	
3-10-085	4	СНЕСК	S/A	-3	С	À	NC		ИО	3.	EF-1	E-12	
3-10-087	4	CHECK	S/A	3	·c·	Α.	NC		NO	3.	EF-1	F-12	
3,-10-119	3	S/CHK	S/A	3	c.	A.	NC		ио.	.3 .	EF-1	C-12	•
3-10-219	3	S/CIIK	S/A	3	Ċ	A	NC.		NO.	`3 <u>.</u>	EF-1	D-12	
310-319	,3	s/cnk	s/A	3	c.	 A	·NC	·	ИО	3	EF-1	D-12.	
3-10-120	4	\$∕CHK	S/A	3	C.	· A	NC		ИО	. 3	EF-1	. C-12	
310-220	4	S/CHK	S/A	.3	c	· A	NC	******	ио	3	EF-1	D-12	
3-10-320	4 🔨	S/CIIK	S/A	3	Ċ	A	NC		ио,	3 .	EF-1	D-12	
·		•	·			٠.				• .			
••.			:					æ				٠.	
			•	А	2			•	-	•		•	•:
TITLE STEAM SYSTEM PROGRAM VALVE TEST PROGRAM											TABLE I		
11112 [-50202		1					P			_		<u> </u>	TESTS TO CODE



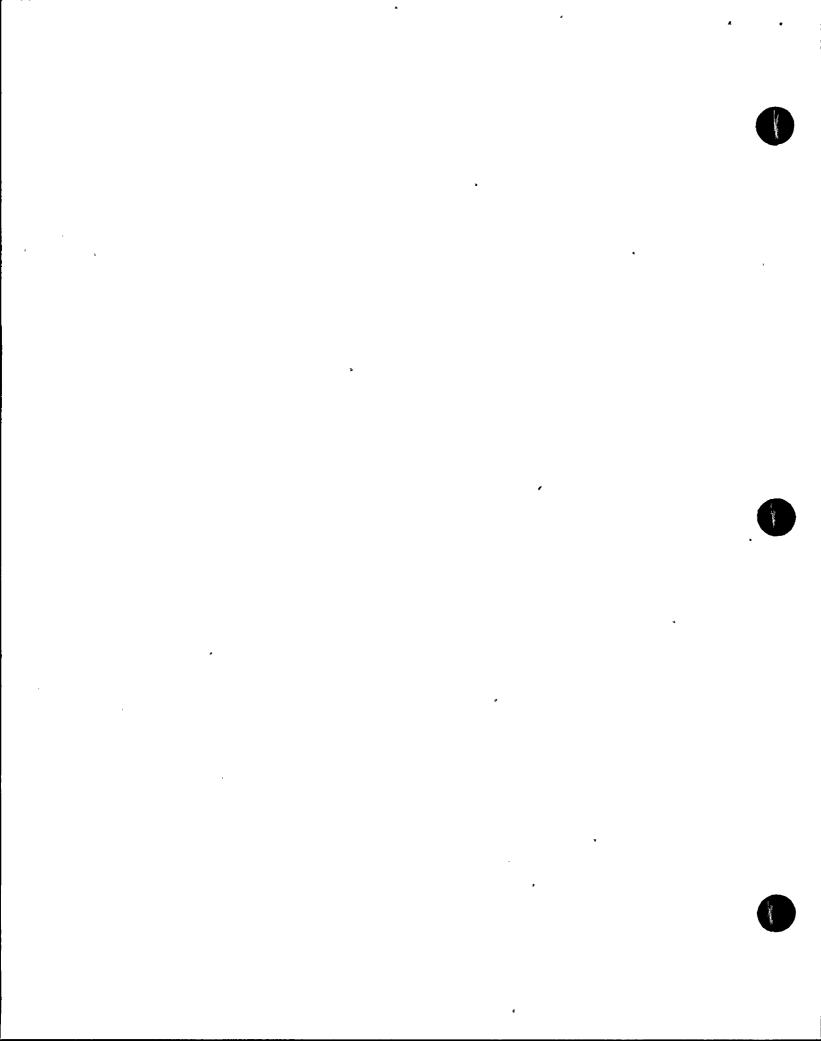
		•	* ••	* •	Fl	ORIDA	POWER !	& LIGHT	COMPAN	Y	•				
VALVE NUMBER	SIZE	TYPE	ACTU.	CODE	CODE CAT.	ACT/	NORM. POS.		REM. POS. IND.	TEST PER	ISI TESTS	VALVE.	••	REMARKS	•.
20-143	6	СНЕСК	SELF	3	c	A	NC		NO	3	EF-1	B-12		•	
20-243	6	CHECK.	SELF	3	С	λ	NC		МО	3	EF-1	C-12		· :	1
0-343	6	Снёск	SELF	3	c.	A	NC		ИО	3	EF-1	D-12			•
-20-140	4	CHECK	S/A	2	.c.	A	NC		. NO	. 3	EF-1	B-10			
-20-240	4	CHECK.	S/A	2	С	À.	NC		ИО	3	EF-1	B-10			
3-20-340	4	СПЕСК	S/A	2	.c	A	NC		, ио 📜	. 3	EF-1	C-11			
1-20-401	8 .	CHECK	S/A	3	С	A	NC		ио	3	EF-1	A-11		• •	-
		•													
• .		•							-	~	2	-	-	· ·	

TITLE F-502028



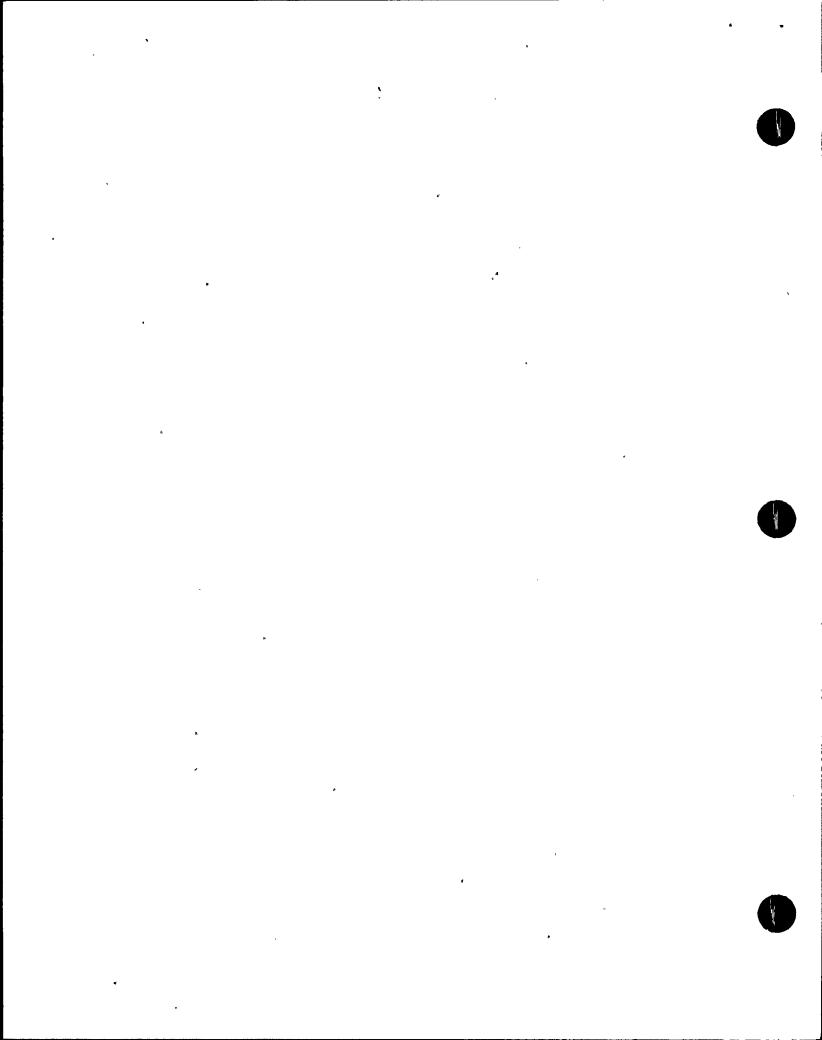
	1			CODE	·			LIGHT (TCT	WAT VE		REMARKS	 -
VALVE NUMBER	SIZE	TYPE	ACTU.	CL.	CODE CAT	PAS	POS.	FAIL- URE MODE	POS. IND.	TEST PER	ISI TESTS	COORD		·	
.3-50-311 .	24	СНЕСК	S/A	3	c.	A	ио		NO	3	EF-1	F-3			•
3-50-321	24	СНЕСК	S/A	3	С	A	ИО		ЙО	3	EF-1	F-4		:	:
3-50-331	24	CHECK	. s/A	3	C _.	A.	ИО	نــ ،	ИО	3	EF-1	F-5	٠	٧	
· · · · · · · · · · · · · · · · · · ·				•		:	-		• ^			÷	٠,		
<i>.</i> .				-				· •	•			•		· .	
•		_			<i>;</i> ·		. • ,		. :	٠, ٠			٠.	•	.·
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•															
												,		, .	· ·

TITLE [-50203]



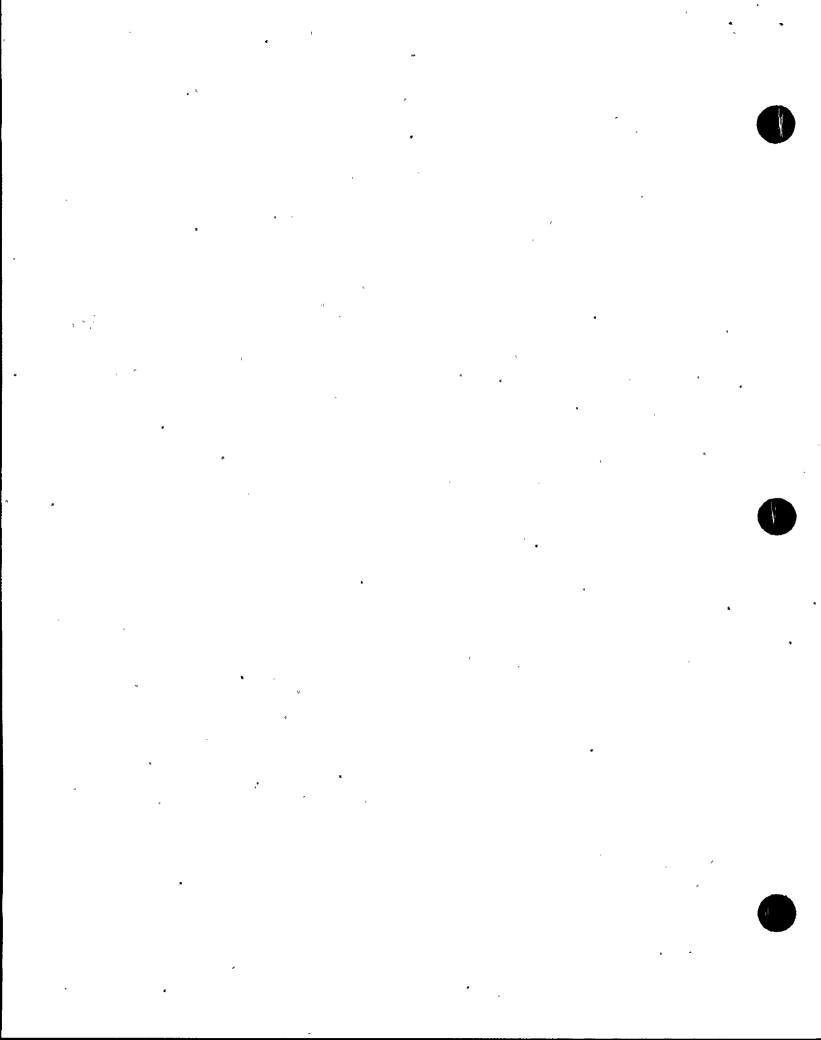
VALVE NUMBER .	SIZE	TYPE	ACŤU.	CODE	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER	ISI TESTS	VALVE.	·· REMARKS
70-006A 70-006B	2 2	СНЕСК	s/j⁄	3	c c	A A	NC NC		NO NO	3 3	EF-1	B-4 B-4	
				:	·								
						, .							
•						•							
• • • • • • • • • • • • • • • • • • • •	\					•••		,		•			

TITLE F-502033



	1		Dami's	Good	coon	nom (luonu.	13877	new	mpcm	Trot	TIRTING	·· Remarks
VALVE NUMBER	SIZE	TYPE	ACTU.	CL.	CODE		NORM.	FAIL- URE MODE	REM. POS. IND.	TEST PER	TESTS :	VALVE COORD	. Rosenso
.cv-3-2819	2	GLOBE	·A/0	2	A	A .	МО	FC	YES	3 3 3 1	EF-1 EF-7 EST-3 SLT-1	D-2	u .
cv-3-2826	2	GLOBE	A/0	2 ::	A .	A .	. ทо	FC	YES .	3 3 1	EF-1 EF-7 EST-3 SLT-1	D-1	
sv-3-2911	1	GLOBE .	÷o	2	A	`A'	NO.	FC	YES .	3 3 1·	EF-1 EF-7 EST-3 SLT-1	C-8	·: · · · :
sv-3-2912	1	GLOBE	so	2.	A	À.	,NO -	FC	YES	·3 3 ·1	EF-1 EF-7 EST-3 SLT-1	D-8	
sv-3-2913	1	GLOBE	so	2	В	. A	ио .	FC	YES	· 3 · 3· 3	EF-1 EF-7 EST-3		:
		•								• • • • • • • • • • • • • • • • • • • •	•	•	
•					*			•	•	• •			

TITLE F-502037



CV-3-2821 3 GLOBE A/O 2 A A NO FC YES 3 3 3 1	EF-1 'EF-7		1
	EST-2 SLT-1	C-9	
CV-3-2822 3 GLOBE A/O 2 A A NO FC YES 3 3 3 1	EF-1 . EF-7 EST-2 SLT-1.	C-9	
		,	

THE CONT. & RADWASTE DRAINS & VENTS THE

VALVE TEST PROGRAM.

TABLE I TESTS TO CODE

VALVE NUMBER	SIZE	TYPE	ACTU.	CL.	CODE CAT.		NORM. POS.	FAIL- URE MODE	REM. POS: IND.	TEST PER	ISI TESTB	VALVE	ζ. 、	REMA	eks :
CV-3-2903 ·	10	BUTFY	A/0	2	В	Α.	NO	FO	YES	3 3 3	EF-1 EF-7 EST-3	A-8 .			
CV- 3-2904	10	BUTFY	A/O	` 2	в ~	Α -	·NO	FO	YES	3 · 3 3	EF-1 EF-7 EST-3	B-8			
CV-3-2905	10	BUTFY	A/0	2:	В'	Ą	NO	FO	ŸES .	, 3 3 3.	EF-1 EF-7 EST-3	B-8	, ,		•
CV-3-2906	10	BUTFY	A/0	2	В.	A	NC	FO	YES	3 3 3	EF-1 EF-7 EȘT-3	A-11 .:	.:		
CV-3-2907	10	BUTFY	A/O	2	В.,	A	NC	FO	YES	3 .	EF-1 EF-7 EST-3	.B-11 ;	,	: '	•
CV-3-2908	10	BUTFY	A/O	2 .	В :	A .		FO	ŶES	3 3 3	EF-1 EF-7 EST-3	C-11		٠.	•
•			•			•	•			`.			: .	•• **	
· .	· .			•	-	•									•
						•						•			. ,

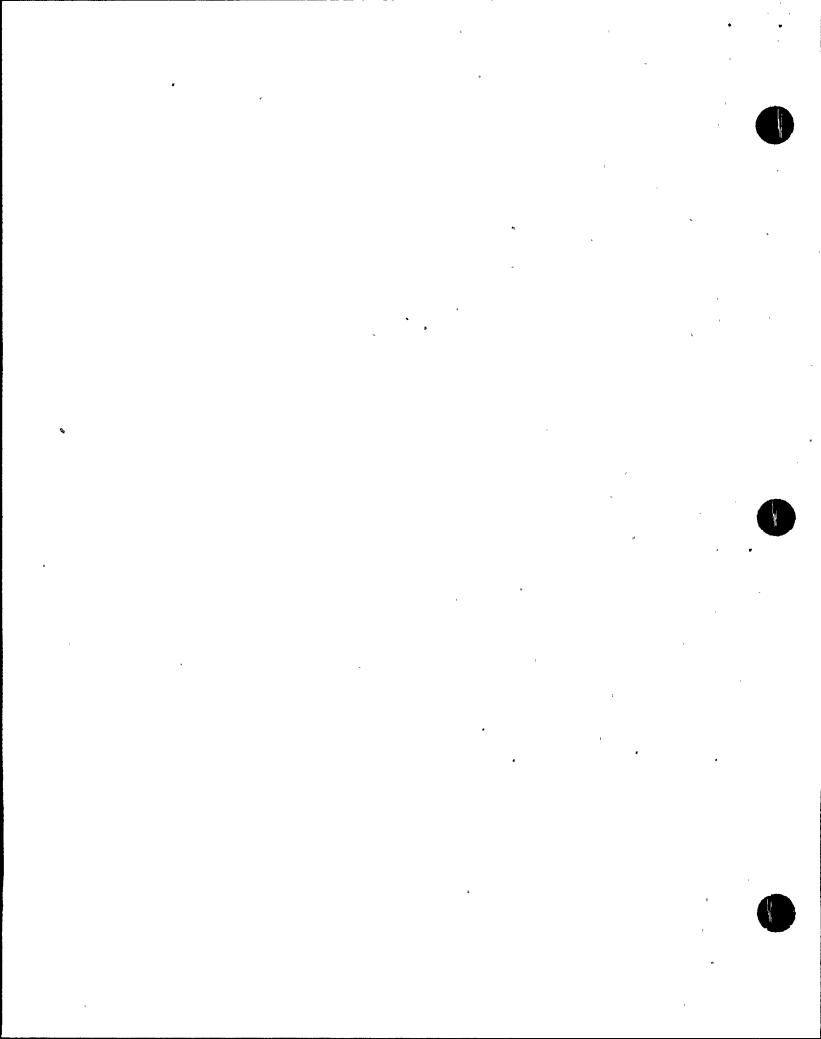
TITLE F-502036

VALVE TEST PROGRAM

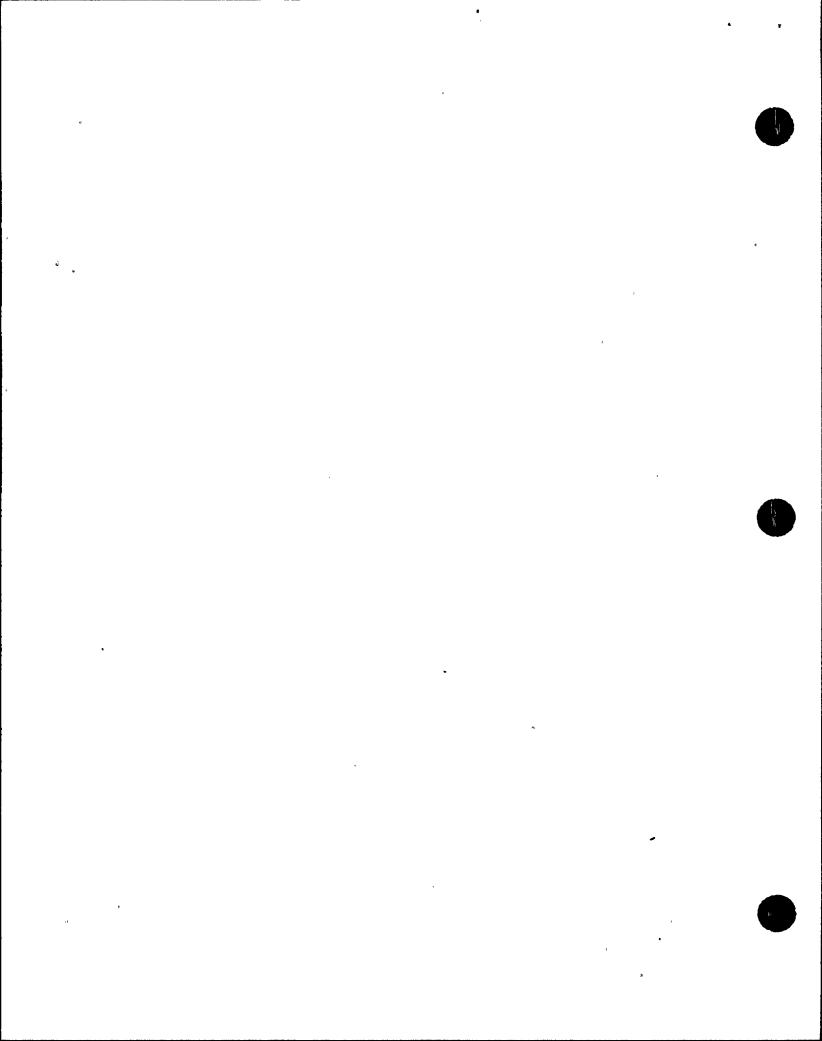
475 7 3 9 7 3	SIZE	TYPE	ACTU.	CODE	-	1	norm.	FAIL-	REM.	TEST	ısı	VALVE,	· .	REMARKS "
VALVE NUMBER		IIPE	ACIU.	CL.	CAT.	PAS	POS.	URE MODE	POS.	PER	TESTS	COORD	<u>`</u>	,
CV-3-2810	6	GLOBE	A/0	2	В	A.	МО	FC	YES	3 3 3	EF-1 EF-7 EST-3	A-11		
CV-3-2812	6	GLOBE	A/O	2	В.		ио .	FC	YES	3 3 3	EF-1 EF-7 EST-3	B-11	·	•
cy- ³ -2814	6	GLOBE	A/O .	2	В	'A '	. ио	FC	YES	3 3 3	EF-1 EF-7 EST-3	B-11	·•, ·	. .
•	. :	•		.*			•		•		•		· · .	
•				-				·.`	,			· ·	•	
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	\\	٠. ٠											•	•
	-			,									•	

TESTS TO CODE

TITLE 1-502036



						ODID A	DOWED (· Licur	COURAN	· ·			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		···
VALVE NUMBER	SIZE	TYPE	ACTU.	CODE	CODE CAT.	ACT/	boa.	FAIL- URE MODE	REM. POS. IND.	TEST PER	ISI	VALVE	×.	REMARK	s :
PCV-3-1014	1	GLOBE	.A/O	2 -		A	.NC	FC	NO	3 3 1	EF-1 EF-7 SLT-1	D-6			e '
CV-3-4658A	3/4	DIAPH	A/0	_2.	В.	A	ИО	FC .	χES	3 3 3	EF-1 EF-7 EST-2	C-7	٠		· .
CV-3-4658B	3/4	DIAPH	A/O .	2	A	A :		FC	YES	3 3 3 1	EF-1 EF-7 EST-2 SLT-1	C-6	٠,		
CV-3-4659A	3/4 ·	DIAPH	A/0	2,	В	A	NO .	FC	YES	3 3 . 3	EF-1 EF-7 EST-2	C÷7			
CV- ³ -4659B	3/4	DIAPII 	A/O 	2	A	. A	МО	FC	-YES	3 3 3	EF-1 EF-7 EST-2 SLT-1	C-6			···
.CV-3-4668A	3	DIAPH	` A/O	2	В.	. A		FC	YES	3 3 3	EF-1 EF-7 EST-2	B-7	:	٠.	•
CV-3-4668B	3	DIAPH	A/O	2	A		NO	FC	YES	3 . 3 . 3 . 1	EF-1 EF-7 EST-2 SLT-1	B-6		·	
SYSTEM TITLE HASTE D	89		*	!	NOGRAM ITLE	VAL	VE TEST	PROGRAM	<u> </u>			-	TAB		:



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 · AP at Pa

WHERE:

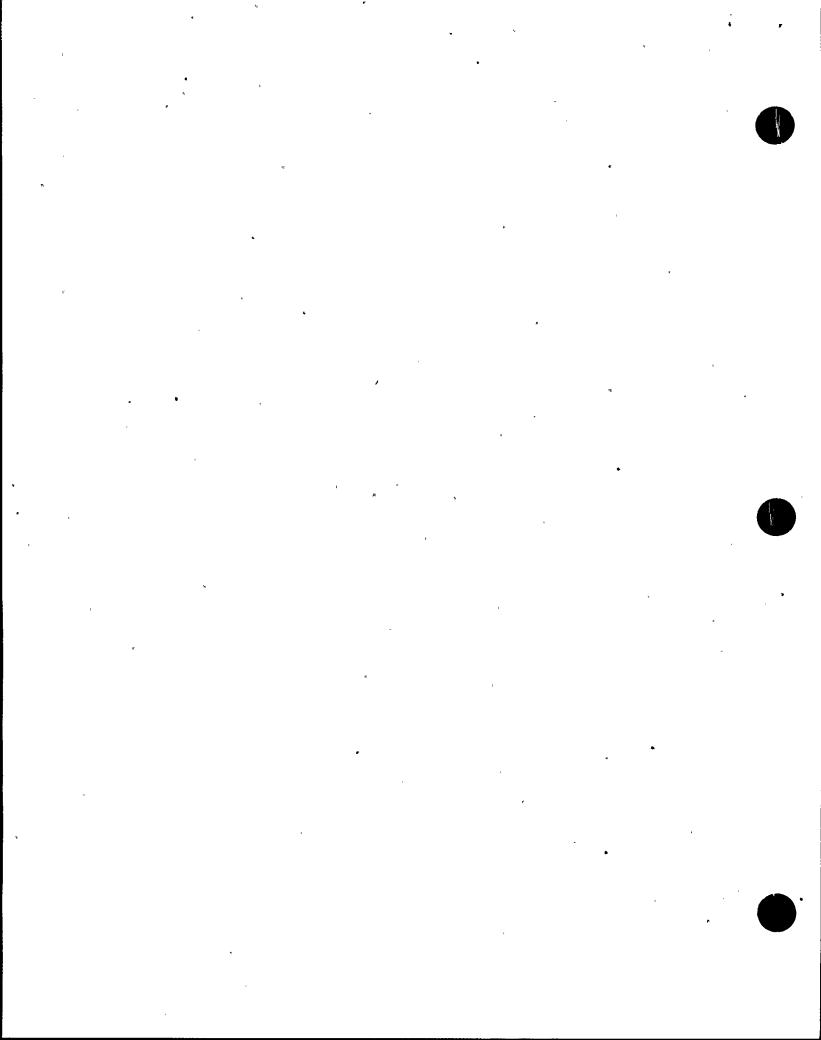
.

Pa = ACCIDENT PRESSURE

Turkey Point Unit No. 3

			FLORI	DA POWER & LIGH	T COMPANY				
PENE.	· VALVE NUMBER	LEAKAGE CC/MIN	PENE.	VALVE NUMBER	Leakage CC/MIN	РЕМЕ. NO.	VALVE NUMBER -	LEAKAGE CC/MIN	
1	MOV-'3-751	10,000	19/	MOV-3:-880V	5,000	33	SV-3-2911	2,000	
.2	sv-3516	1,000	190	MOV-3-880B	5,000	34	3-40-204	2,000	
6	CK-3-51 9	2,500	20	CV-3 - 956C	1,000	34	3-40-205	2,000	
. 7	CV- 3-519A	2,000	23	CV-3 -282]	2,000	35	POV-3-2600	15,000	
8	CV-3-956A	1,000	23	CV-3 -2822	2,000	35	POY-3-2601	15,000	
9	CV-3-956B	1,000	25	MOV-3-381A	2,000	36	POV-3-2602	15,000	
10	CV-3-46588	500	211	CK-3-298V	2,000	36	· POV-B-2603	-15,000	
10	PCV-3-1014	2,000		1 ; .	-	.42	CV-31-855 ·	500	
14	CV-3-200A	3,000	248	- CK-3-2908	2,000	47	CK-3 -10-567	4,000	ĺ
14	CV-3-200B	.3,000	. ^	,	. *	53	117-3-4	1,000	
14	CV-3-200C	3,000.	24C	CK3298C	2,000	52	CV-34668B	2,000	
14	CV-3-204	1,000	25	MOA-3 -38J	2,000	541	NOV-3-861V	7,000	
15	11CV-3-121	2,000	29	CV-3-2803	2,000	54B	140A-3-89JB	7,000	1
15	3-333	2,000	29	CK-3-40-336	4,000	55	CV-3,-956D	1,000	į
15	CK-3-312C	4,000	31	CV-3-4659B	500	63	CV-3'-2819	2,000	
16	1117-3-2	1,000	32	CK-3-11-003	2,000	63	CV-3-2826	2,000	
17 16 .	3 -895 V PAHM-3-002A	500	32 53	SV-3-2912 PAHM-3-002B	2 000 3,000			,	
32	PAHM-3-001A	3,000	32	PAHM-3-001B	3,000		-	-	
TITLE V.	ARTOUS		LIAFE AV	LVE TEST PROGRA	M				-
	ARTOUS .					2	aldar Vall avlav		

M



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:

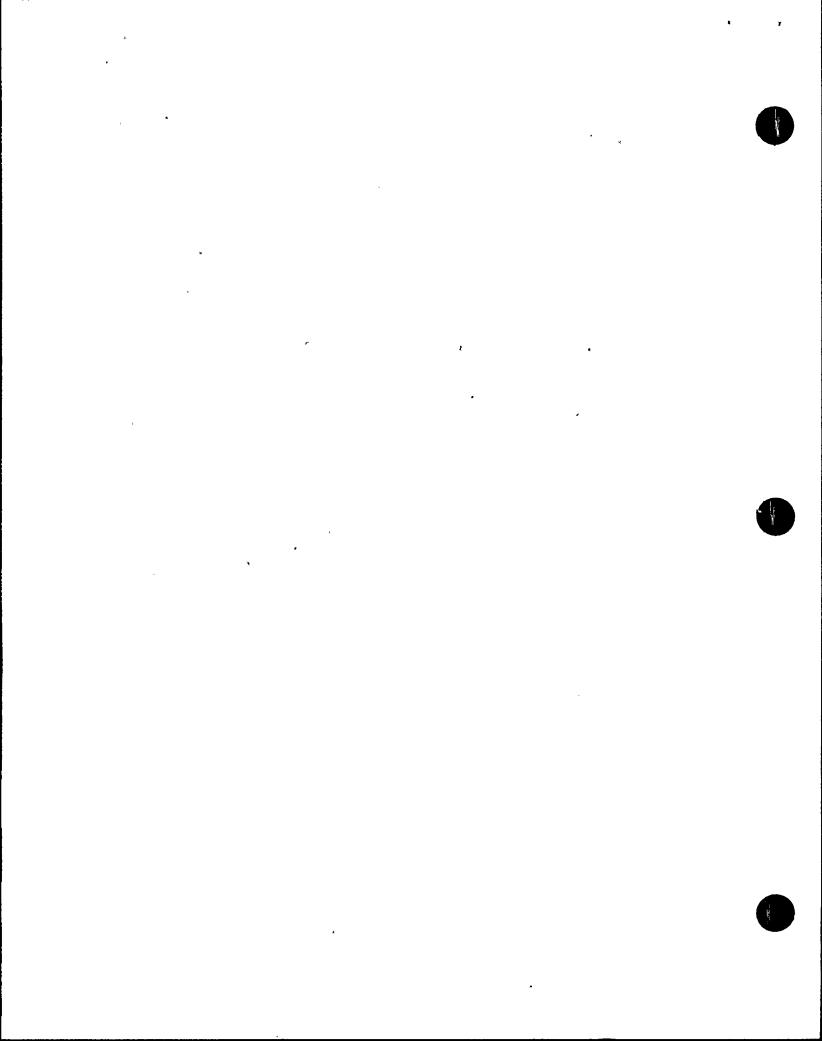
- 1) Notes 1, 2 and 3 of Sub-Section I. E. apply to this Table.
- 2) · Each valve in Table II is either
 - a) Partially tested to code or,
 - b) Relief requested and supported by Relief Request Basis including Alternate Tests.

					FL	ORIDA	POWER	s. Light (COMPAI	Y			······································	
Valve Nunber	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	act/ Pas	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST Per.	isi Tests	18113 - CX1	C(X)(R) AVI'NE	าเมาเกษา
CV-3-519A	3	DIAPH	A/O	2	A	Α.	NO	FC	YES	2 2 2 1	EF-2 EF-8 EST-4 SLT-1	 1	A-12	
3-519	3/4	СНЕСК	S/A :	· 2	AC	A	NC	**************************************	МО	2 1 ~	EF-2 SLT-1	2	A-11	· .
				٠	•	•		• •	٠	·			•	
		, 5 Å,				•				,		-	•	
į						•						a l		
IVIIIA . DEVOUO					iognais						•			LE II

REACTOR COOLANT (RCS)

511471 · F-503191

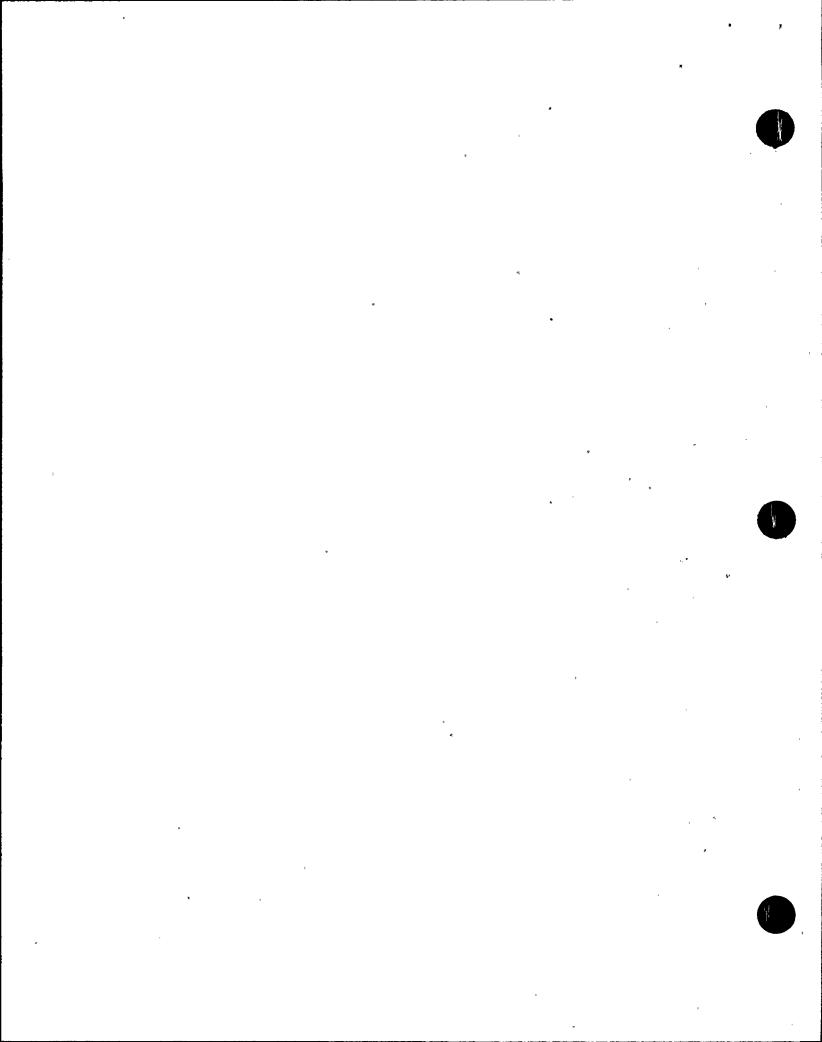
VALVE TEST PROGRAM



													•	
Valve Nunder	SIZE	түре	ACTU.	CODE CI	CODE CAT.		NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	161 Tests	13131 130.	CXX)(d)	DEMARKS
CV-3-200A	2	Crobë ,	Λ/0 ·	1	٨	Λ	NC	FC	YES	2 2 2 1	EF-2 EF-8 EST-2 SLT-1	1	D-19	•
CV-3-200B*	2	GLOBE	Λ/0 	1	Λ	Λ	NC ·	FC	YES	2 2 2 1	EF-2 EF-0 EST-2 SL[-1	1	0-18	
CV-3-200C	2	GLOBE	Λ/0	1	Λ .	۸ ِ	но	FC 	YES	· 2 2 2 1	EF-2 EF-8 EST-2 SLT-1	1	D-18	
CV-3-201	-2	GLOBE	۸/0	2	٨	. V	NO	FC .	YES	2 2 2 1	EF-2 EF-8 EST-2 SI.T-1	2	D-17	•
10V-3-381	á	GATE	HO .	2	Λ.	٨	Ю	FÁI	YES	2 2 1	EF-2 EST-3 SI.T-1	3	n-16	
MOV-3-381A	3	GATE	MO ;	2 .	A	Α .	NO	FAI	YES	. 2 2 1	EF-2 EST-3 SLT-1	3	B-16	

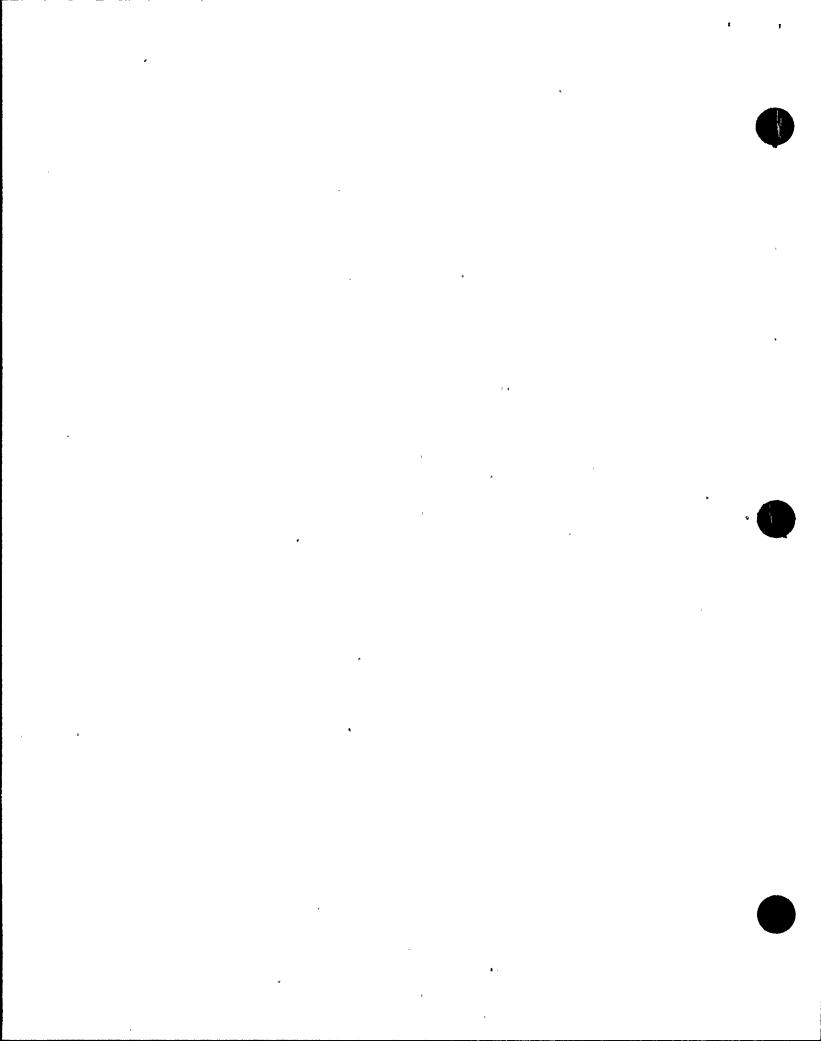
ERYAT

F-503184



					FL	AGINO.	POWER (L.IGHT	COMPAN	γ			· · · · · · · · · · · · · · · · · · ·	
VALVE HUMNER	SIZE	TYPE	ACTU.	CODE	CODE CAT.	nct/ Pas	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	rsi Tests	tuui .Cci	(AX)(A) AVI'NE	in-wanki
-		•							-					
•				7					10 *141	:	. :			
11CV- 3-121	3	GLOBE	γ\ο	2 -	. Λ	Λ	НО	FO	но	2 2 1	EF-2 EF-8 SLT-1	5	C-17	4
3.333	3	GI.ONE	MVH-	2	٨	b	NC	FA1	но	Į.	SI.T-1		C-17	• .
CV-3-310A	3	GLOBE	Λ/Ò	1	D. •	Λ	МО	FO	YES	2 2 2	EF-2 EF-8 EST-3	6	C-19	•
cv-3-3100	3	GLOBE	Λ/Ο	1	B	Λ	NC ·	FO	YES	2 · 2 2	EF-2 EF-0 EST-3	6	C-19	,
LCV-3-115C	1	GATE	но	2	В	- V	ио	FAI	YES	2 2	EF-2 EST-3	7	C-14	
								•						
CIILM.	VOL. CON	T. (CVCS)	\		1108HA14	. VALV	E TEST	PROGRA	1				TA	BLEFIL

ENERT? F-503184



					FI.	Adino	POWER I	L LIGIT	COMP AN	Y				
VALVE NUMBER	SIZE	ТУРЕ	ACTU.	CODE	CODE CAT.	nct/ Pas	noim. Pos.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	isi Tests	nın tkə.	CERKED	· Indianies
1.CV-3j-1158	1	NUTFY	Λ/0	2	B	Λ	NC	FC	YES	2 2 · 2	EF-2 · EF-0 EST-3	8	Λ-14	•
łx)V-3 – 350	2	GATE.	₩O	2	Ď	Λ	нс	FAI	YES	2 . 2	EF-2 EST-3	9	Λ-12	
3312N	3	CHECK	SΛ	1	C	٠٠٧	нс		ио	2	EF-2	10	C-19 .	
3-312B	3	CHECK	SΛ	1	С	Λ .	ис.	~-:	ио	2	EF-2 ·	10	C-19	
³ ≑351	2	CHECK	SA .	2	С	٨	нс		NO	2	EF-2	ii	۸-12	
3-357	4	CHECK	SA	2	С	٠,٨	нс	••	но	2	EF-2 .	12 -	Λ-13	
	-							••		•				:
STITIE CHEM HO		•		· .	110211A14								• • • • •	DIE TY

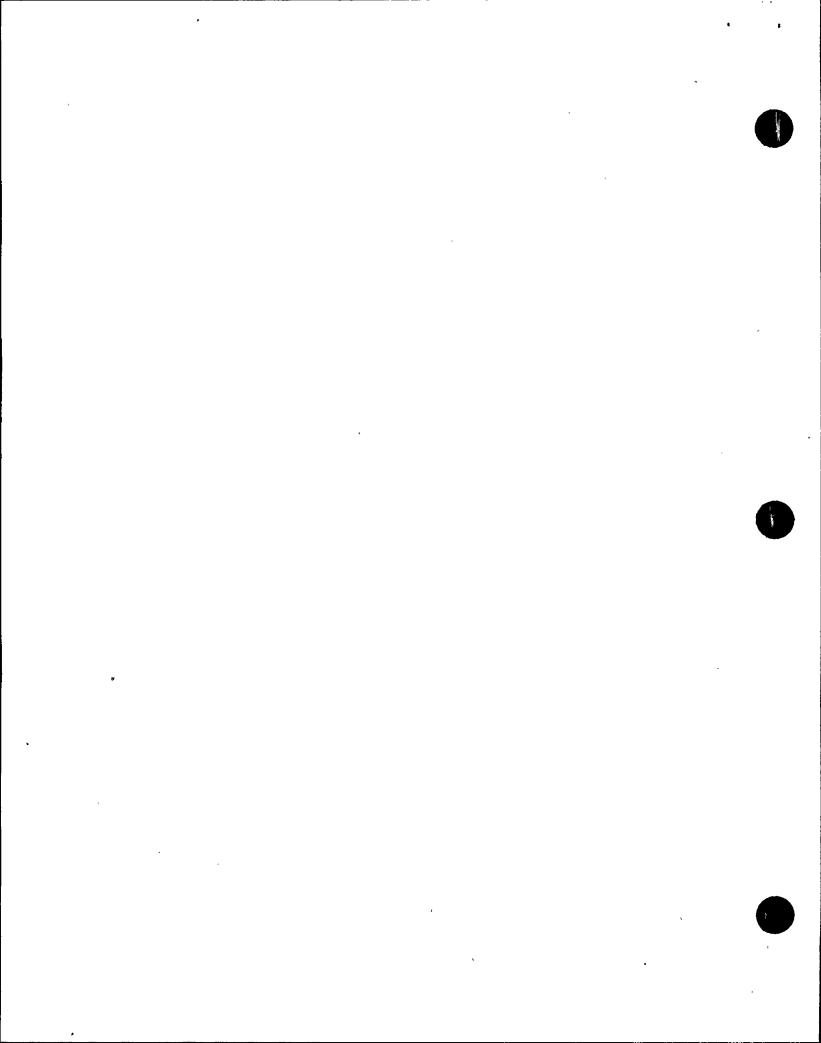
CHCM. VOI. CONT. (CVCS)

1111.4

VALVE TEST PROGRAM

TABLE II TO CODE AND RELIEF REQUEST

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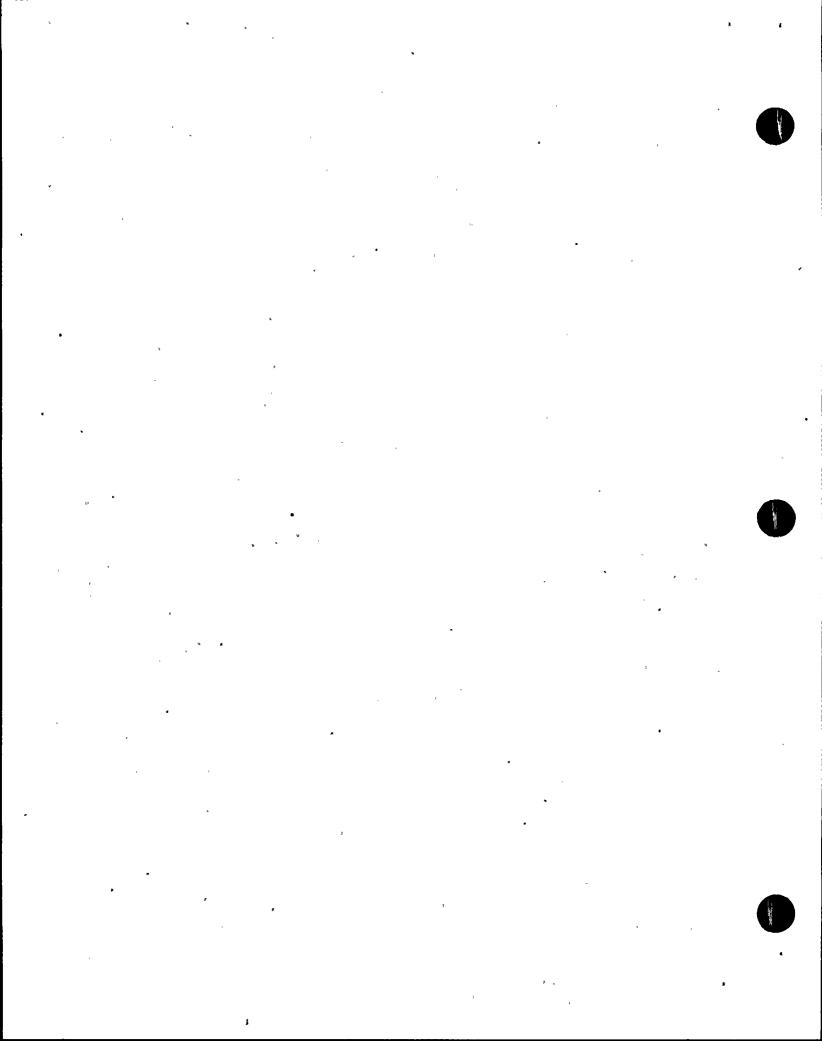


					Fì.	ORIDA	POWER	LIGHT	COMP AN	Y				
AVI'AE HOWDER	SIZE	TYPE	ACTU.	CODE	CODE CAT.	nct/ Pas	NORM. POS.	FAIL- URE MODE	rem. Pos. Ind.	TEST Peņ.	isi Tests		SIV.IVV	TU-FINITUS .
3 -29NA	2	CHECK	SΛ	1	. VC	۷ .	110		110	1.	EF- 3 SI.T-1	13	۸-20	
32988	2	CHECK	SΛ	1	VC	٨	110		110	1	CF3 SLT-1	13	N-19	4
3 -2900	2	CHECK	SA .	1	VC	Ā	ИО	***	110	1	EF3 S1.T-1	13	Λ-1B	•
3-312C	3	CHECK	SA	1	ΛC	Λ.,	110,		tio	1	EF- 3 SLT-1	14	C-17	
4												-		
	,	•	·			-							`	
	`	us.	a.		•	,	•			•	•			
		•	•	•	7	•					7			
378184	<u> </u>			 	1108014				<u> </u>		L	<u>-</u>		TABLE II

542184 1116K

_CHCU__YNL__CONT...(CVCS)_ F-503184

VALVE TEST PROGRAM

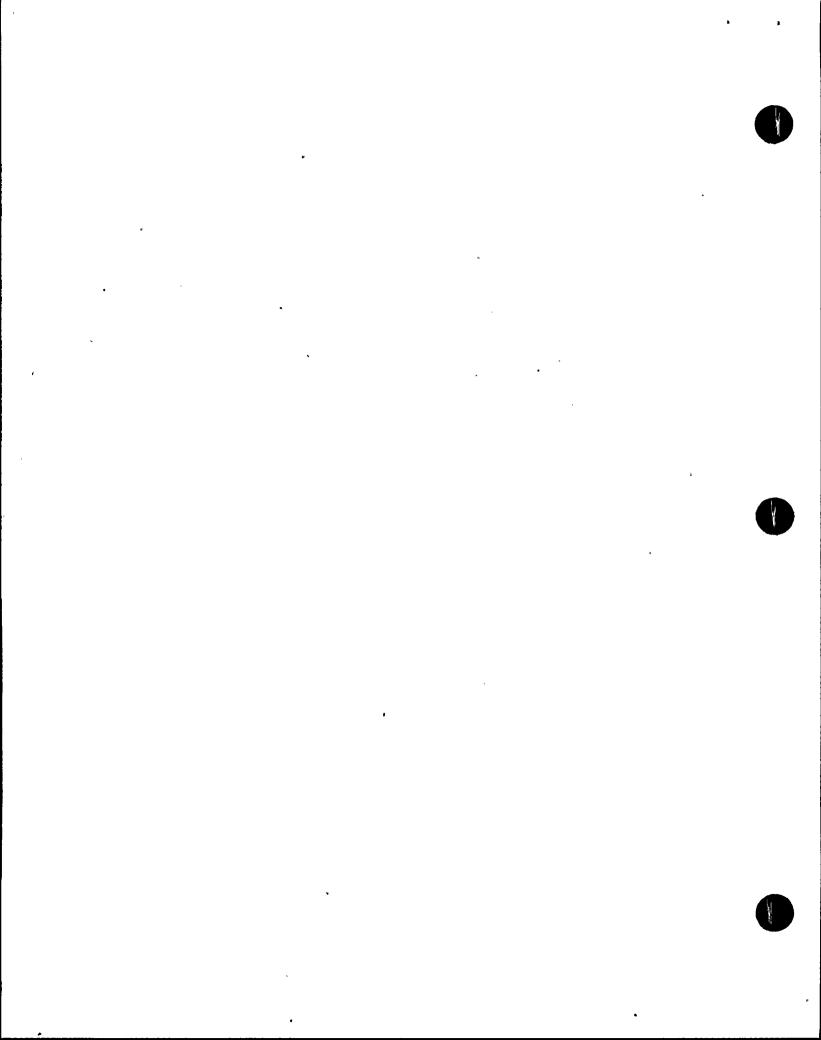


					FL	ORIDA	POWER I	LIGHT (COMPAN	Y					
VALVE NUMBER	SIZE	ТУРЕ	ACTU.	CODE	CODE		NOIM. Pos.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	100.	COOLED	IUMANKS	
MOV-3-860A	14	GATE .	MO	2	В	A	HC	FAI	YES	2 2	EF-2 EST-4	1	Λ-9	,	
Мо у - 3 -860В	14	GATE	МО	. 2	B	Λ	HC	FAI	YES	2 2	EF-2 EST-4	1.	Λ-9		
Иоу-3-861л	14	GATE	МО	2	Α .	٨	NC	FAI	YES	.2 2 1	EF-2 EST-4 SLT-1	2	A-8	•	
MOV-3-8610	14	GATE	MQ	2	Α . •.	۸ .	нс	FAI	YES	2 2 2	EF-2 EST-4 SLT-1	2	. · . Λ-8		•
MOV- ³ -863A ·	8	GATE	МО	2	В "	A	rc	FAI	YES	2 2 2	EF-2 EST~3	3	B-8		•
MOV-3-863B	, 8	GATE	мо	2	B	A	rc .	FAI	YES	2 2	EF-2 EST-3	3	B-8	. ,	
MOV-3-872	. 8	GATE	МО	2	В	Α,	NC	FAI	YES	2 - 2	EF-2 EST-3		A-7	•	
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		

SAFETY THUECTION SYSTEM (SIS)

11114 E-503185

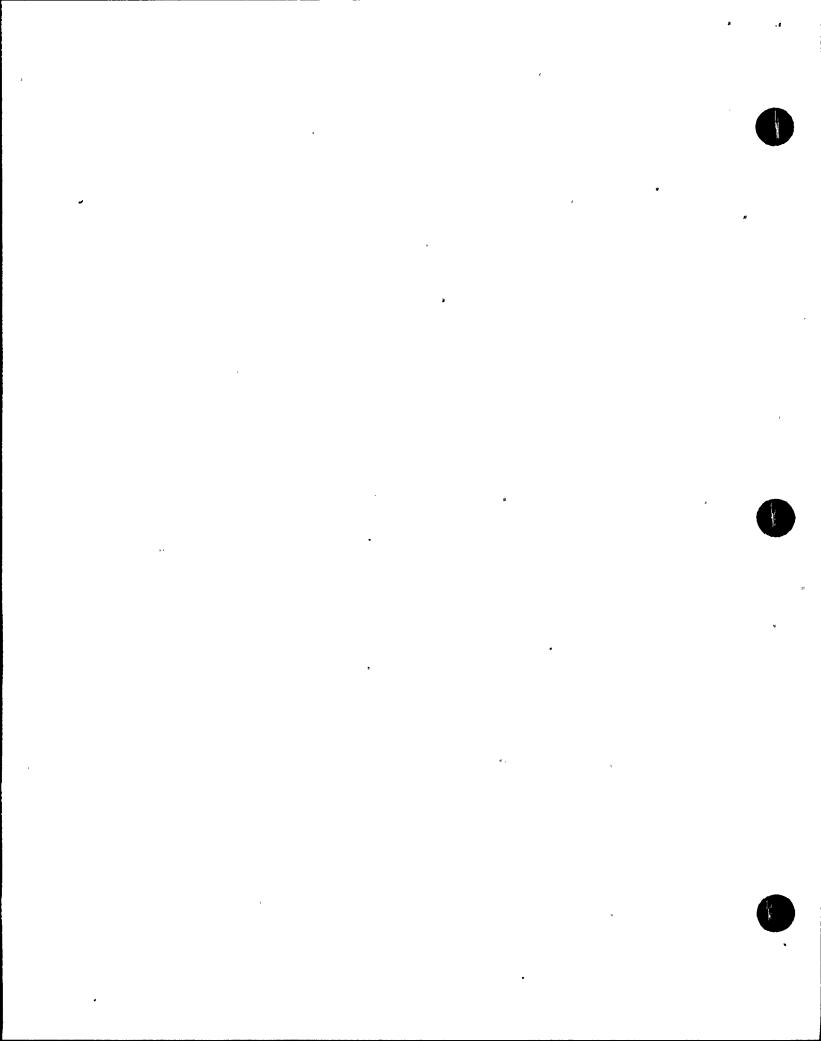
VALVE TEST PROGRAM



					Fl.	Adino.	POWER 8	L LIGHT	CO1/11, Y11	Υ				
VALVE NUMBER	SIZE	түре	ACTU.	CI	CODE CAT.		NORM. POS.	Fail Ure Mode	REM. POS. IND.	Test Per.	tsi Tests	1103 110.	C(X)(A)	Ni-Manks
3 ₈₉₅ y	3/4	GI.ONE	нлн	2	Λ	P	rc	FAI	110 -	1 .	SLT-1		0-12	•
140 V-³- 18G6 N	2	GLOUE	MO	1	B	Λ	rc ·	FÅI	YES	2 2	EST-3	6	n-15	4.
MOV-3-866B	2	GI.ODE	· MO	1	.B	٨	LC .	FΛ1	YES	2 2 ·	EF-2 EST-3	6	0-15	
٠.						-		·						
3-876A	8	CHECK	SΛ	1	С	٨	ис .		110	2	EF-2	7.	D-15	
3_07611	8	CHECK	S۸	1	С	Λ	IIC		110	2	CF-2	7	۸-13	
3-876C	. 8	CHECK	SΛ		С	٨	HC		110	2	EF-2	7	N-11	•
3-8760	8	CHECK	SΛ	1	С	Λ	HC		но .	2	EF-2	8	N-13	
3-076E	a	CHECK	SΛ	1	С	٨	NC	~-	110	2	EF-2	រ	Λ-11	•

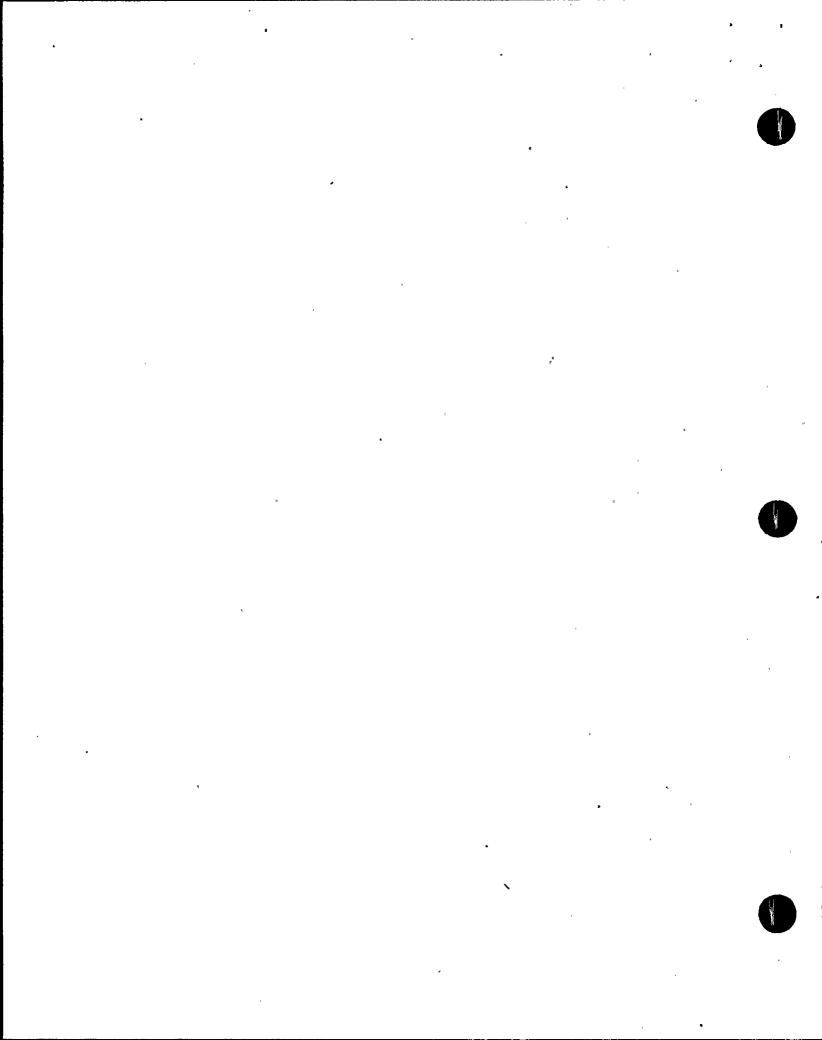
51114 11114

E-503105

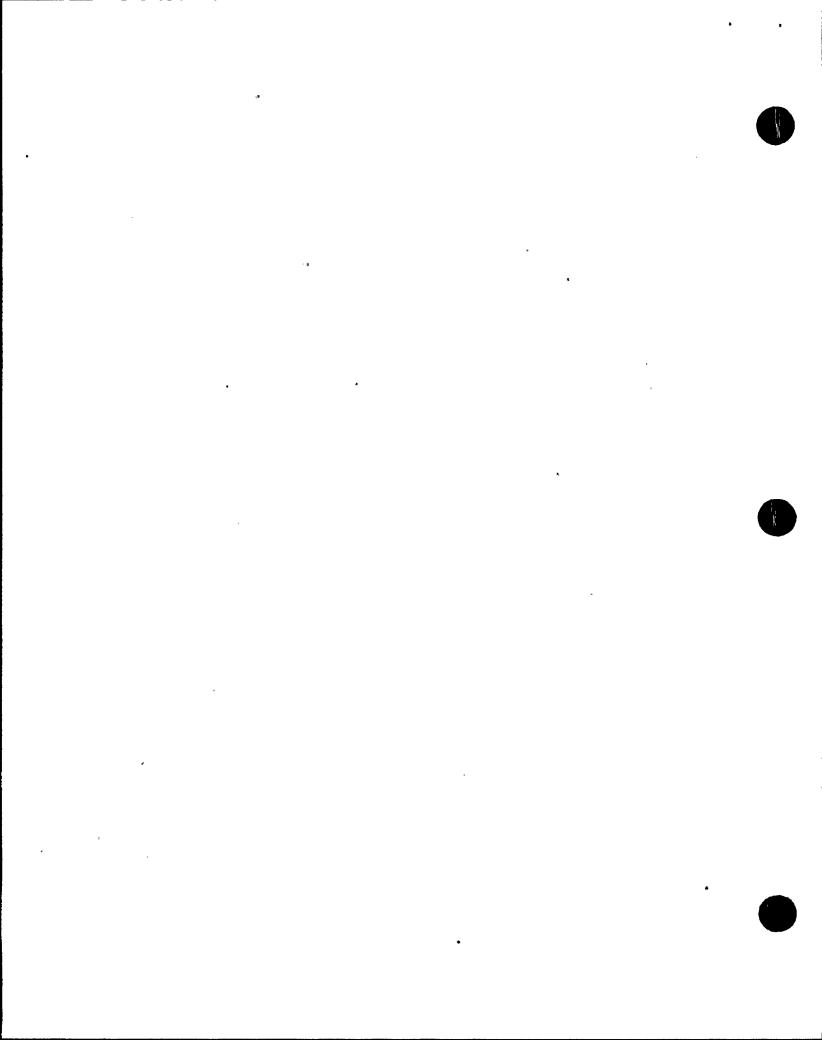


-					FI.	.ORIDA	POWER (s. L.IGIIT	COMPAII	ΙΥ				***************************************
VALVE • HUMBER	SIZE	TYPE	vc.ta.	CU.		VCT/	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER.	isi - Tests	1881 180.	SIV.IVA (BKX)	In-twirks
079A	3	CHECK	,SA	2	C ,	۸	нс	~-	110	3	EF-1	19	1)-7	
8798	3	CHECK	SA	2	С	Λ.	ИС	~~	110	3	EF-1	19	C-7	-
879C	3	CHECK	· SA	2	C.	Λ	HC.		110	3	EF-1	19	C-7	٠
8790	3	CIIECK	SΛ	2 .	С	٨	NC ·	~~	110	3	EF-1	19	C-7	
3-875A	10	CHECK	SA	1	· C	٧.	NC	 ,	110	2 .	£F-2	9	N-16	
3- 8758	10	CHECK	SΛ)	C	. <i>'</i>	NC		но	2 ·	EF-2	9	Λ-17	
3.875C	10	CHECK	SΛ	1	С	٨	NC		ИО	2	CF-2	9	Λ-17	
MOV3-865A	10	GATE :	МО	2	В	þ	1,0	FNI	YĖS				B-15	
110V-3 -865B	×10	GATE	МО.	2	В	þ	LO	FAI	YES				B-13	
MOV- 3865C	10 -	GATE	140	2	В	Ŀ,	LO	FΛΙ	YES				0-11	
-		•	•											* ·
SAFETY SAFETY FILE E-50318	VALVE TEST PROGRAM													ARLE II CODE AND CEF REQUEST

. .



					Fl.	AGINO.	POWER 8	LIGIT	COMb YII	Υ			·	
NONÚEK AVI'AB ·	SIZE	TYPE	ACTU.	CONE	CODE	nct/ Pas	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TRST PER.	lsi Tests	RIU) KO.	CXXXII	क्षमणक्ष
MOV-878A MOV-8788	1	GATE GATE	NO WÔ	2	B B	٨	110 140	FAI FAI	YES YES	1 1. 1	EF-3 EST-3 EF- 3 EST-3	10 10	C-7 C-7	
MOV-3-864A	16	GAYE 2-	МО	2	ß	Λ.	1.0	FAI	YES]	I.F 3 EST-4	11	D-2	•
MOY-3-864B	16	GATE	MO	2	в.	Λ	LO	FAI .	YES]] ;	EF- 3 EST-4	11	D-2	
MOV-3-062A	14	GATE	мо	2	B· •.	٨	LO .	· FAI	YES	,]	£F→'3 EST-5	12	Λ-5	•
MOV-3862B	14	GATE	МО	2	8	ŗΛ	LO.	FAI	YES	1	EF- 3 EST-5	12	Λ-5	•
SV3-2905 (2	GATE .	SO	2	Ů	٨	NC	FAI	110	1	EF 3	13	C-10	·
SV-3-2906	2	GATE-	S 0	2	8	٨	HC	FΛI	110	1	EF 3	13	C-10	
SV-3-2907	2	GNIE	SO	2	В	٨	HC.	FΛI	110	1	EF 3	13	C-9	•
SAFETY		ON SYŠTI:	II (SIS)		VALVE TEST PROGRAM									TABLE II O CODE AND IEF REQUEST



		·		•	FI.	ADINO.	POWER	8. 1.1G11T (CONI, YH	Υ			·	
VALVE NUMBER	SIZE	TYPE	ACTU.	CODE	CODE CAT.		NORM. POS.	FAIL- URE MODE	REM. POS. IND.	Test Pen.	ISI TESTS	tuui too.	SAY1VA	
SY-3 -2908	2	GATE	SO	2	B	۷.	HC ·	FAI	110	1	EF- 3	13	C-9	
SV-3~2909	Ż	GATE	S 0	2	В	٨	IIC	FAI	110	1	£,F- 3	13	C-9	
SV-3-2910	2	GATE	S Ô	2	B	ν.	NC	FAI	110	1	EF-'3	13	C-9	4
32918	2	CHECK	·SN	2	С	٨	fic		110	*	*	14	0-10	*See Alternate Testing in Request
3-2919	2	CHECK	SΛ	2	С	۸.	нc	~~	110	*	*	14	B-9	for Relief Hasis
3-2920	2	CHECK	SA	2	ċ"	Λ	NC		110	*		14.	n-9	
·. 3-2921	2	CIIECK	SN.	. 2	С	٨	нс		110	, * .	*	14	B-10	
3-2922	2	CHECK	SΛ	2	ε	Λ	нс		110	*	*	14	ti-9	
3-2923	. 2	CHECK	· SA ^	2	c ·	٨	NC		110	*		14	ti-9	. 4
3-874 \	2	CHECK	SΛ	1	С	Λ	ис		110	1	EF-3	15	D-17	•
3-117411	2	CHECK	SΛ	1	С	٨	нс		110	1 -	[F-3 ·	15	D-17	
1 V 1 (E H		TION CYC		15	HAMANA		*******	TCCT DOG		·		$\neg IT$		TABLE II

11116

SAFETY INJECTION SYSTEM (SIS)

SULE. E-503185 VALVE TEST PROGRAM

TO CODE AND RELIEF REQUEST

		······			, FI	AGINO.	POWER	L.IGIIT	COMPAN	Υ'.		1	·····	•
VALVE HUMBER	SIZE	TYPE	ACTU.	CODE		DV2 VC.L\	NORM. POS.	FATL- URE MODE	nem. Pos. Ind.	Test Peil.	isi Tests	nnn 100.	SININA SININA	IN-MVIRES
3-873A	. 5	CHECK	SΛ	1	ć	Λ	NC	<u>.</u> _	· NO	* 1	EF3	16	C-15	
3 -873B	2	CIIECK	· SA	ì	С	٠,	NC		110	1	EF- 3	16	C-15	
3 -873C	2	CHECK	SΛ	1	C	٨	нс	·	110	1	EF- 3	16	C-14	. ,4
3 -8750	10	CHECK	`sΛ`	1	С	٨	nc !		110	1 ,	EF- 3	17	B-15	
3 -075E	10	CHECK	sn.	. 1	С	٨	IIC	4	110	1	CF- 3	17	n-13	,
3875F	10	CHECK	. SV	1	c.	Λ	HC		110	1	EF-: 3	17	D-11	
3 ^{-1150V}	6	CHECK	. SA	2	С	Λ,	NC		ИО	*	*	14	8-8	* See Alternate Testing in Request
3 -8903	6	CHECK	ςγ	2	Ć	Λ	нс		но	*	*	14	ย-8	for Relief Basis
•		•			•			-	on.			-		* *
		,	•				-							-
			,				*						•	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	_!	<u> </u>		<u> </u>	HOGHAM	<u> </u>						1		TABLE II

5 + 5 1 E 14 1 6 1 6 . K

<u>SAFETY_UNUCTION_SYSTEM_(SIS)</u>

C-503185

VALVE TEST PROGRAM

TABLE II TO CODE AND RELIEF REQUEST

						VIIIIV	POMERCE	LIGHT (COWLVII	1	- 		1	
Valve Number '	SIZE	TYPE	ACTU.	Cur.	CODE	DV3 VCJ\	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	Test Pen.	isi Tests	nun no.	COMP	อมเมราป
		•			r.				-					
				•							•			
CY~3-739 .	j	GLODE	A/0	2	B	Λ.	NC .	FC	YES	2 2 2	EF-2• EF-8 EST-2	1	B-13	
3-730	3	CHECK	SELF	2	С	٨	NC .		110	2	EF-2	2	Λ-17	:
ноv-3-716Л	6	GATE	мо	3	8	Λ	Ю.	, FAI	YES	2 2	EF-2 EST-6	3	n-18 _.	•
MOV-3-7160	6	GATE	мо.	2	В	Λ	NO -	FAI	YES	2 2	EF-2 EST-6	4	B-17	•
иоу-3-730	6	GATE	МО	2	ß	. Λ	ИO.	. Γ ΛΙ	YES	2 .	EF-2 EST-6	5	C-13	
FCV3-626	3	GATE -	МО	2	n -	٨	110	FAI	YES		EF-2 CST-6	6	11-13	

AUX. COOL. COMP. COOL. (ACCC)

ERART F-503187

VALVE TEST PROGRAM

TABLE II TO CODE AND RELIEF REQUEST

VALVE SIZE TYPE ACTU. CODE CODE ACT/ NORM. FAIL- REM. TEST ISI REM. VALVE DEMARKS														
VALVE NUMDER	SIZE	TYPE	ACTU.		CODE		NORM.	Fail- ure mode	REM. POS. IND.	TEST PER.	isi Tests	1010 100.	SIVINA	NEMARKS
MOV- 3751	14.	GATE .	110	1	۸	Þ	rc	FΛI	YES	1	SLT-1		C-5	-
•								-						
MOV3.750	14	GATE	.110	1	B	P.	пс	FΛI	YES	,			8-5	٠.
HCV- 3-758	12	BUTFY	A/O	2	В	P	ro	FO	ио				G-11	•
MOV- 3-744A	10	GATE	МО	2	В.	λ	NC	FAI	YES	2 2	EF-2 EST-3	1	B-12	
MOV- 3-744B	10	GATE	МО	.2	B '.	A	NC	FAI	YES`	, 2 , 2	EF-2 EST-3	1	B-12	
3-753	10	GATE	S/A	2	С	A	NC .		ио	2	EF-2	2	F-7	
3-753	10	GATE	S/A	- 2	С	Α,	иċ		МО	2	EF-2	2	H-7	
		: :		9.				•		i			Ŧ	
۸.		*		-						,	-			
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,		ç											1	
SYSTER DAY COL	<u> </u>	usar b			HANDONAH HORNAH	VALU	<u> </u>	DDOCDAN	<u> </u>	<u> </u>	l		l	TABLE II

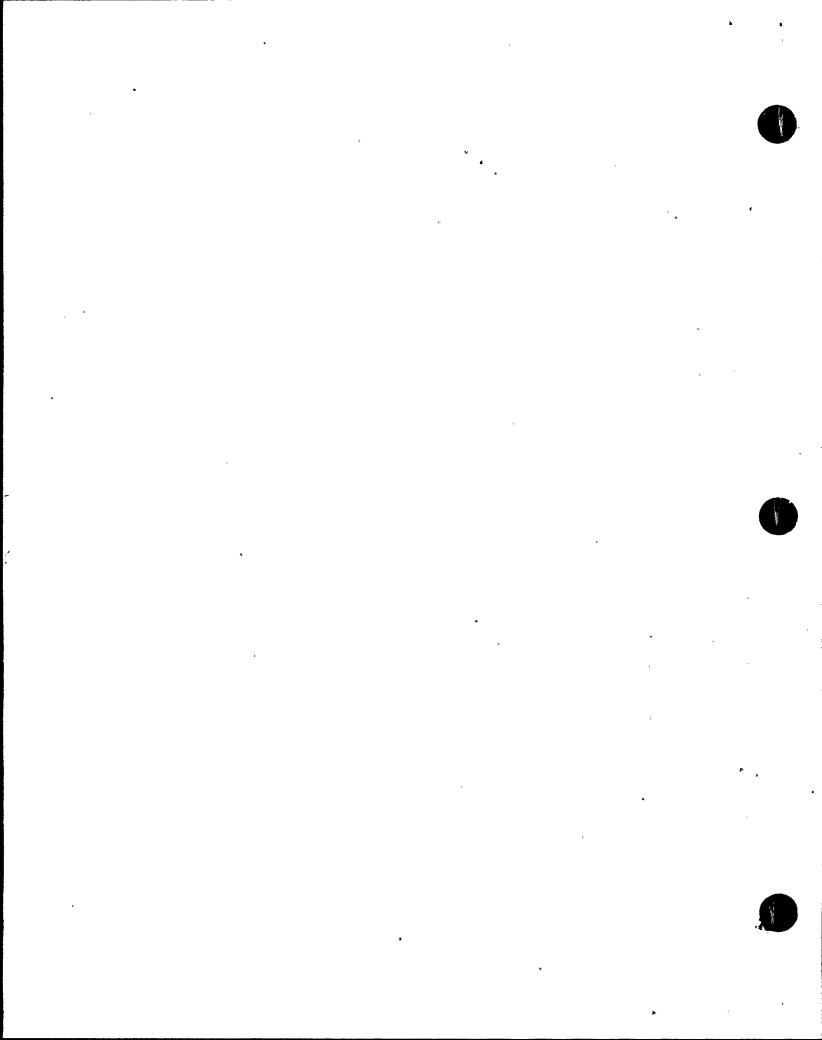
THE AUX. COOL RES. HEAT REM.

VALVE TEST PROGRAM

TO CODE AND RELIEF REQUEST

NONDÈL AVIVE	SIZE	ТУРЕ	ACTU.	CODE CL.	CODE CAT.	nct/ Pas	NORM. POS.	FAYL- URE MODE	REM. POS.	Test Per.	isi Tests	1001	COX HO)	REMARKS
CY-3-956 N	3/8	GLOBE	۸/0	2	Λ	Λ	NC	FC	YES	2 2 2 1	EF-2 EF-0 EST-2 SLT-1	1	11-31	•
C V- 3-956N	3/8	GLOBE	Λ/0	2 .	٨٠	٨	HC	FC	YES	2 2 2· 1	LF-2 EF-8 EST-2 SLT-1	1	11-11	•
CY-3-956C	3/8	GLODE	Λ/0	2	۸	٨	NC	FC	YES	2 · · · · · · · · · · · · · · · · · · ·	EF-2 EF-8 EST-2 SLT-1	1	G-11	
C Y- 3 -956N	3/8 :	GLOBE	۸/0	2 .	۸	Λ.	нс	FC	YES	2 2 2 1	EF-2 EF-0 EST-2 SLT-1	1	F-11	
					-									

EIIIAT IIILK F-503193 TO CODE AND RELIEF REQUEST



-		······			FL	.ORIDA	POWER	s, Ligit	COMPAH	ΙΥ			······		
VÄLVE HUMBER	SIZE	TYPE	ACTU.	CU.	CODE	ACT/ PAS	иоим. РОЯ.	FAII URE MODE	nem. Pos. IND.	TEST - PER.	tsi Tests	tuus txo.	CLXXIA)	In-Hanka	
POV-3-2604	26	Power Asst'd Check	a%car	2	C	A	NO	FC	YES	2 2 2 2	EF-2 EF-8 EST-1	1	B~9		
POV-3-2605	26	Power Asst'd Check	у\сяг		С	A	ю	FC	YES	2 2 2	EF-2 EF-8 EST-1	1	B-10	iq.	•
POV-3-2606	26	Power Asst'd Check	A/CYL ·	2	C.	A .	. по	FC	YES	2 2 2	EF-2 EF-8 EST-1	1	B-11		
•	-	•		•	٠.	٠.		•							
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		٠.			•	•		•			•			•	-
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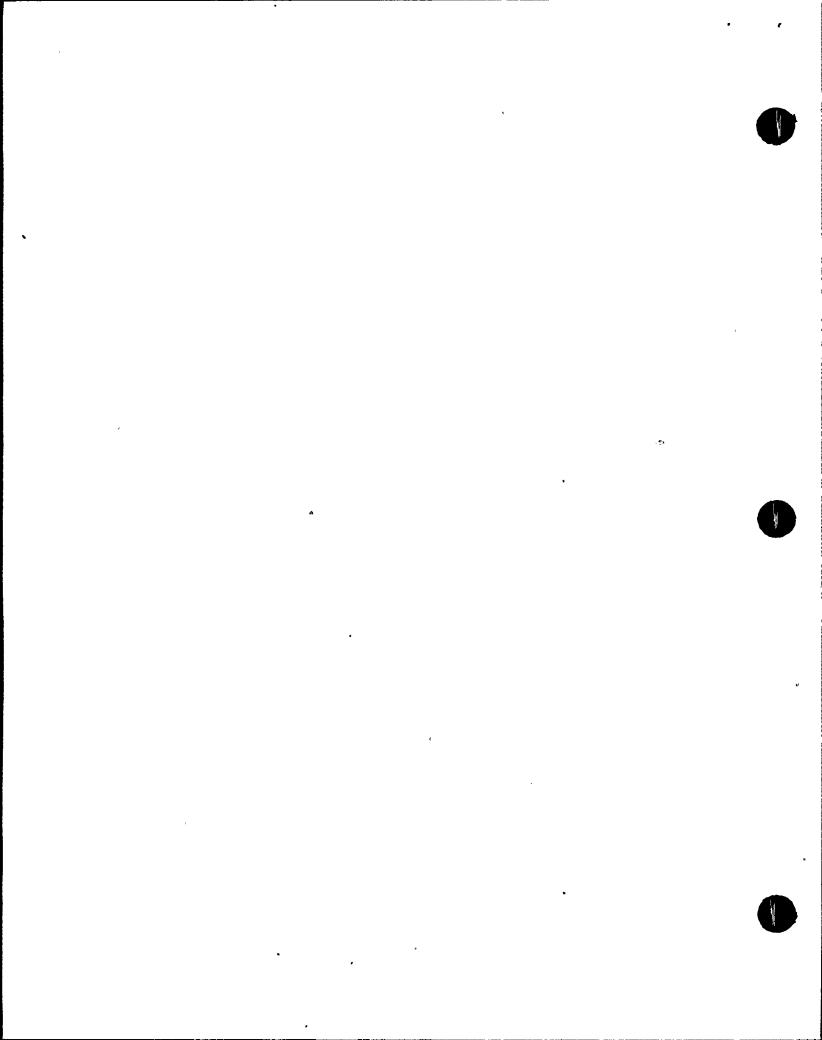
STENIL SYSTEM F-502027

111LK ...

1116 K VALVE TEST PROGRAM

TO CODE AND RELIEF REQUEST

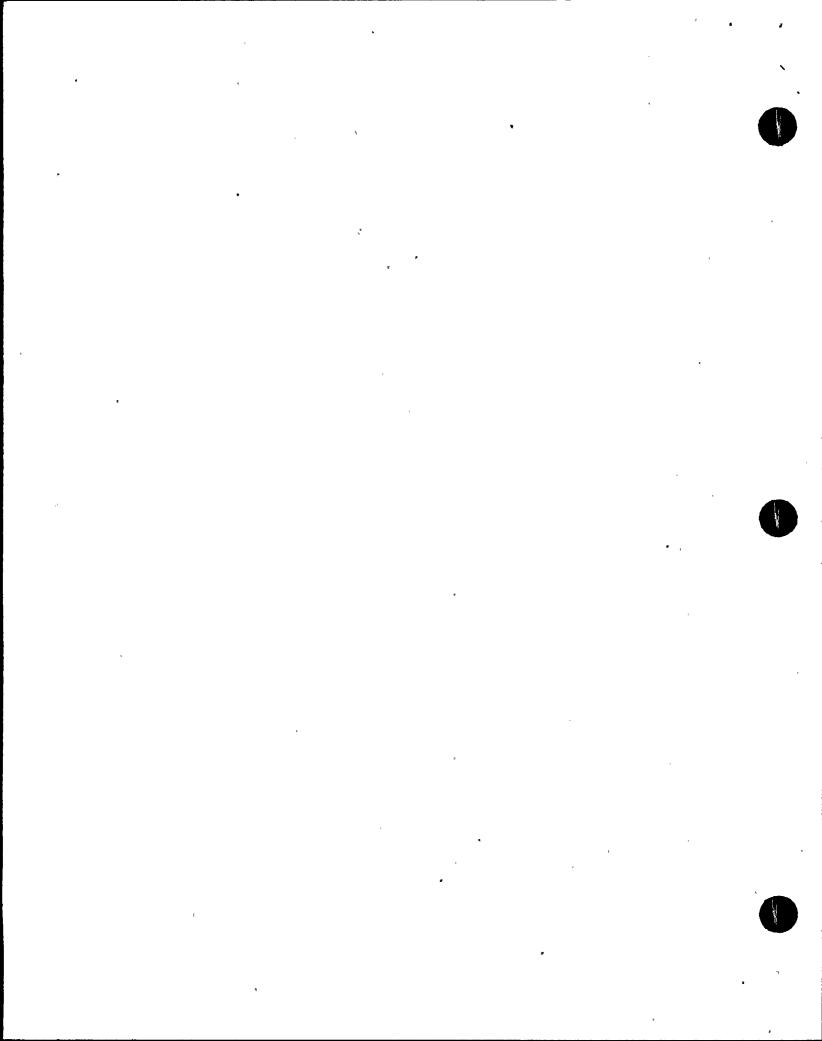
					FI	AGIMO.	POWER.	8. L.IGIIT	COMP AH	Υ			A	······································	······································
NUMBER NALVE	SIZE	RALL	ACTU.	CODE	CODE CAT.	nct/ pas	NOIM. POS.	FAIL- URE MODE	REM. POS. IND.	Test Per.	isi Tests	tuui .CX1	COOM	เกษงเหล	,
NO TABLE II	VALV	ES						•			•				•
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		K		•	•.:	-							,	•	
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HASTE DI		-1.19010		i	MAGNAM ITLK	VAI.VE	TEST P	MASTOU				<u></u>		TLE II CODE AND EF REQUEST	<u> </u>



					FL	Adino.	POWER	LIGHT	רטאוי אוז	Υ			······································	
VALVIS NUMBER	SIZE	TYPE	ACTU.	CODE	CODE	nct/ pas	NORM. POS.	FATL- URE MODE	rem. Pos. Ind.	Test Per.	isi · Tests	iuui ixo.	COULD	HENVIKU
NO TABLE II	VALVI	<u>s</u> ·			•				•	. ;				
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TITLE CONT. & RADWASTE DRAINS & VENTS ... VALVE TEST PHOGRAM THE F-502038

TO CODE AND RELIEF REQUEST

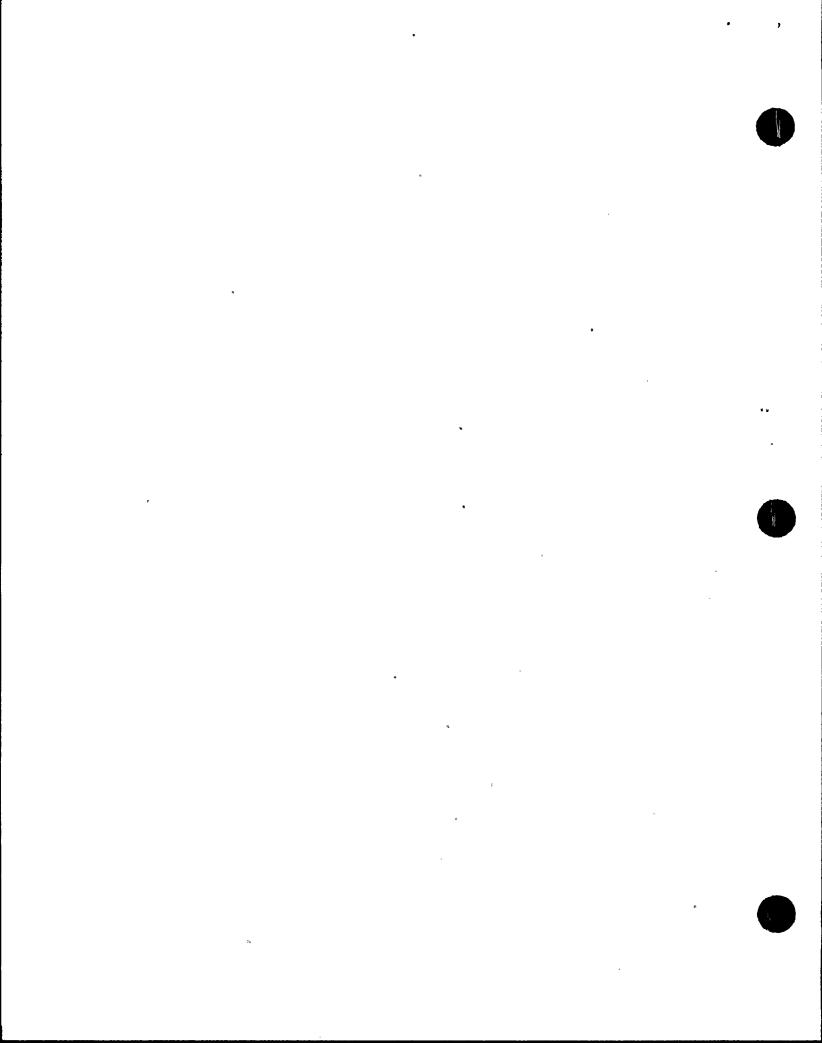


I.H. LIST OF VALVES EXEMPT FOR TESTING (IWV-1200)

TABLE III

- (a) Valves used only for operator convenience including:
 - o Vent Valves
 - o Drain Valves
 - o Instrument Valves
 - o Test Valves
 - o Valves used only for maintenance
 - o · Valves used for system control (such as pressure regulating valves)
- (b) External control and protection systems responsible for sensing plant conditions and providing signals for valve operation.
- (c) Non-nuclear Safety Valves

NOTE: Valves listed in Table III are not included in this report. They are identified and included in plant records.



II. PUMP TEST PROGRAM

II.A. Table IV - Test Paramenters

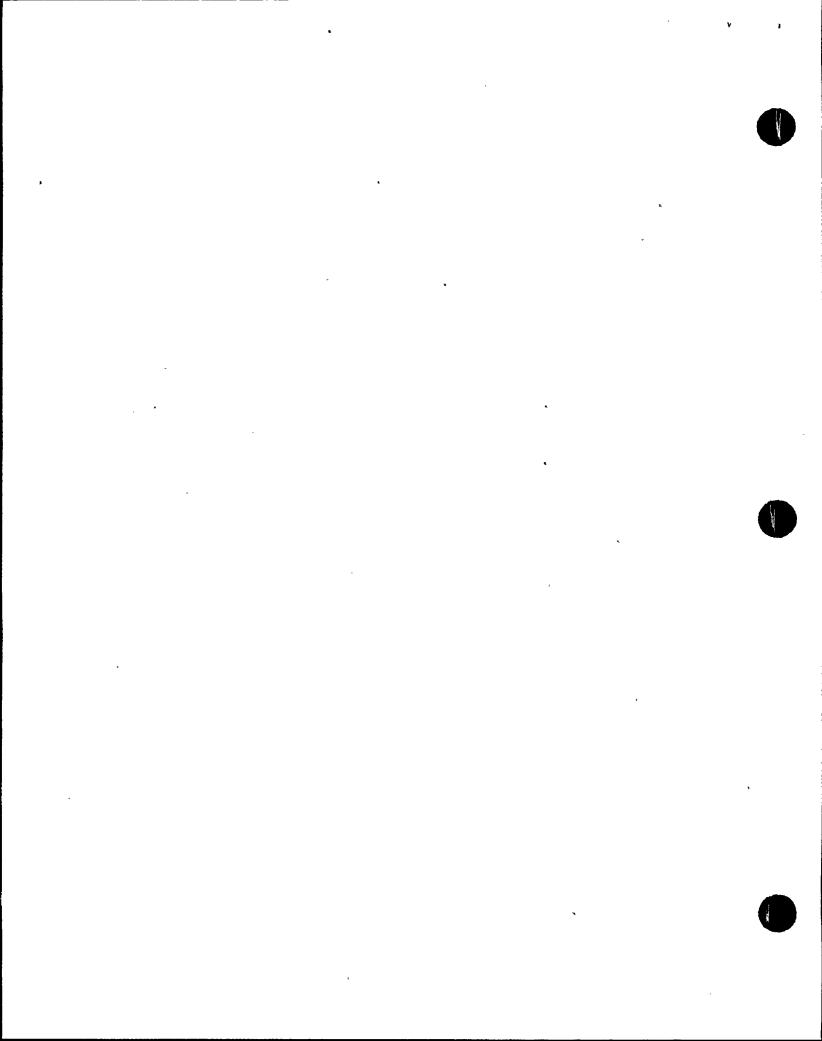
This subsection outlines the pumps which are provided an emergency power source.

II.B. Test Interval

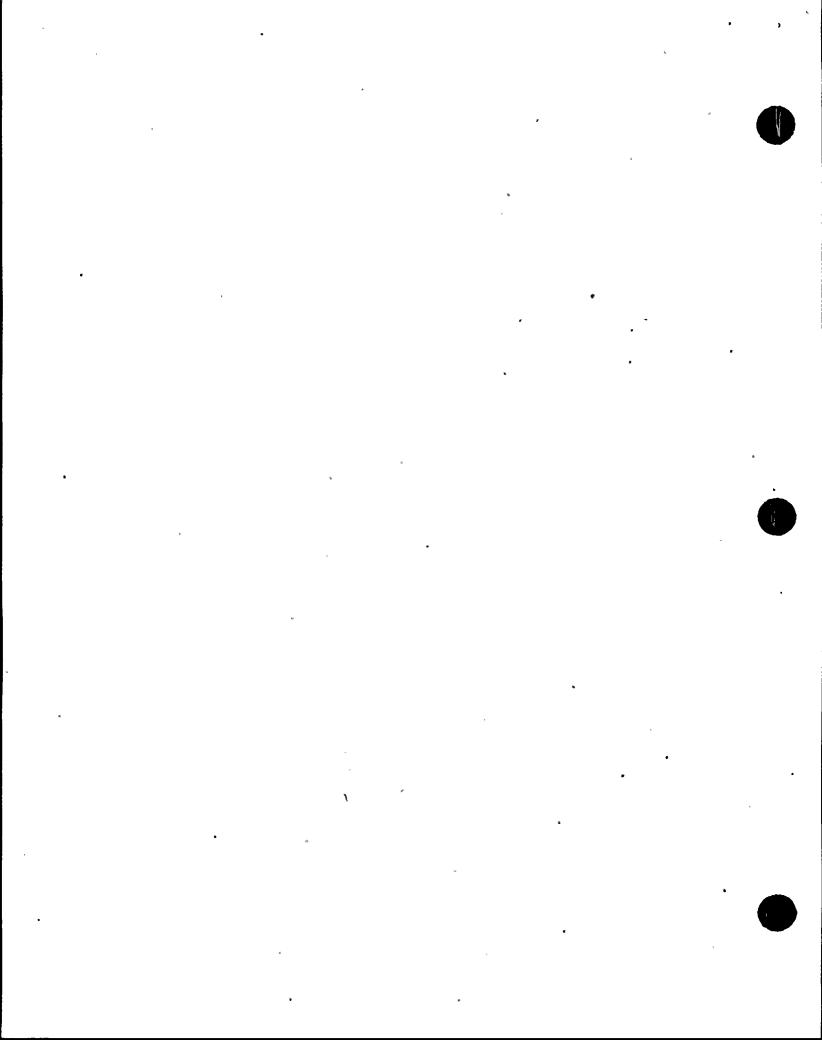
: IWP - 3400

III.C. Attachment A-2

Relief Request Basis



	,		FLORIDA P	ONER & LIGHT CON	PARY	· · · · · · · · · · · · · · · · · · ·		<u> </u>
_			~	•			. *	'
PUMP	PUMP NO.		•	· TEST PA	RAMETE	ns ·		RRB
•	†	Speed,	Inlet	Differential		VIbration	Boarln-i	No.
·	•	- 11	Prossuro,		Rate,	Amplituda,	Temperatire,	
••	•		· P ₁	<u>,</u> ΔΡ	0		т _ь (1)	
Auxillary Feed .	P2A	Yes	Yes	· · · Yes	Yes ⁽³⁾	Yes	Yes	•
MUXIIIALY reed				_	1	_	•	
•	P2B	Yes .	Yes	. Aoa	Yes ⁽³⁾	Yea	Yea	
<u> </u>	P2C ·	Yen	Yes	Yes · ·	Ye33)	Yen	Yes	
đ						· ·		<u> </u>
Intake Cooling	3-P9h .	tto	Yes ·	Yes	Ye(3)	Yos	ยด	2
Hater	•	"			j			
	3-r9p	No	Yen .	Aca.	Yes ⁽³⁾	Aoa	но .	. 2
·. ·	3-r9C	Но	·Yes	Yes	Yos (D)	Yos	no	. 2
Nosidual Heat	3-1210A	110.	Yes	Yes ·	110 (2)	. Yes	tlo	1&3
Removal .	•	""	'				•	1
. R	3-p210B.	No	Yes	Yes	· 110 ⁽²⁾	Yes .	tlo	1&3
,		ļ	<u>-</u>					
Component Cooling	3-b511V .	110	Aca	Yes	Yes (3)	· Yes .	Yos	
•	3-P211B	no .	Yes	Yes	Yos (3)	. Yes	You	
		110	,		Į.			ļ
	3-1,511°.	No	Yes	. Yes	Yes (3)	Уси	Yen	-
								
Containment Spray	3-P214A	110	Yea-	Yes	10 ⁽²⁾	Yen	Yeo	1
	3-p214B	110	Yen.	. Yes	110 ⁽²⁾	Yes	Yes	,
	J-1/21411	Ho	163		}		. 63	1
	<u>.</u>	-					-	
	š.				1	*		}
		•	<u> </u>	<u> </u>	1			
PROGRAM		. 1					* .	
Pump TEST PI	manil .					Vl. Hidat		

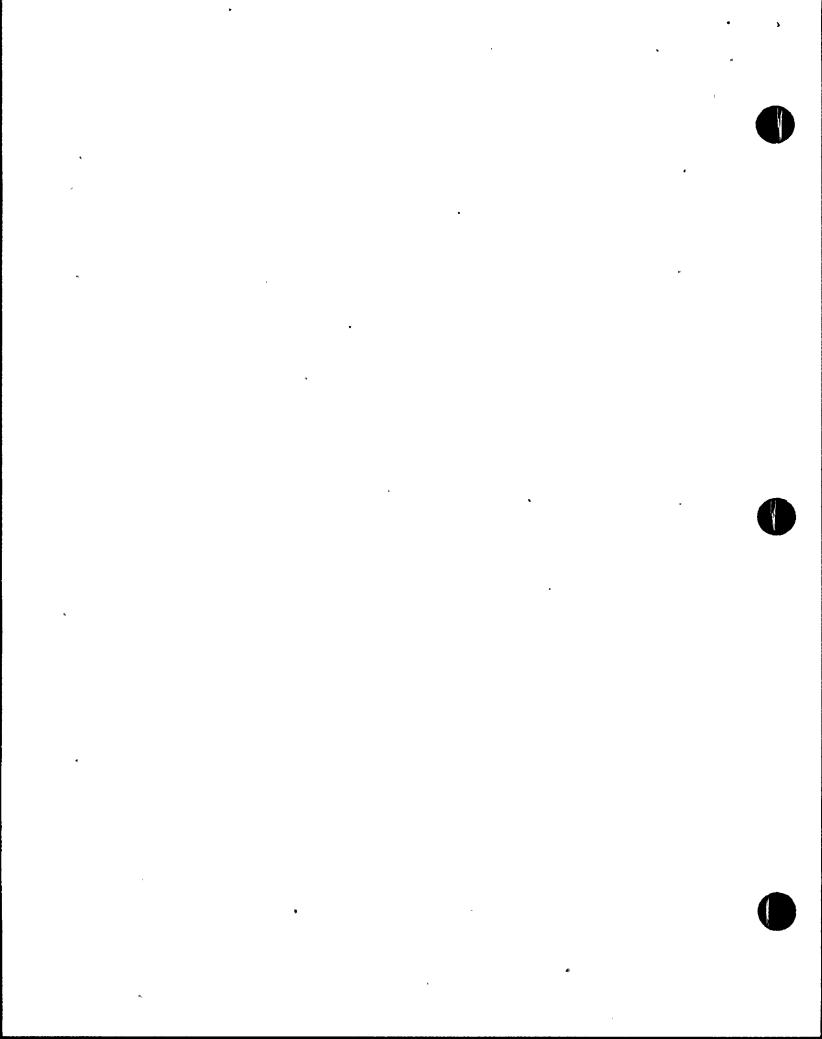


		,	FLORIDA P	OWER & LIGHT COM	PAHY	•		
PUMP	rune no.			· · ·	D A 14124142	 n	. 1	RRB No.
	10.	Byeed,	Inlet Pressure,	Differential	Flow Nate,	Vibration	Bear Ing	1
٠.		11	· P ₁	AP	0	V V	Temperature, Tb (1)	
High Head Safety Injection	P215A	lla	Yes	·• Yes	110 ⁽²⁾	You	Yes .	1
antery injection	P215B	llo	. Aea	Yea .	No ⁽²⁾	Yes	You-	1
•	P215C	No	Yes	Yes	No(2	Yes	Yes	1
	P215D	llo	. Yes	Yes	Ho(2	Yes	Yeş	.1
	•		. ,			,	*	
			•					•
<u> NOTE (1): BI</u>	ARING TEMPERATI	RE, T,	IS MEASUREI	OHLY ON THE ANI	UAL TE	<u>r.</u>		
<u> 110TE (2): F</u> 1	XED HYD. RESIS	ANCE SYS	CEM .		•	•		
	RIABLE HYD. RES	ISTANCE	YSTEM	• • • • • • • • • • • • • • • • • • • •				
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·noch411				•			•	
PIOP TEST PH	ogban	•				TANGE IV	,	

ATTACHMENT A-1

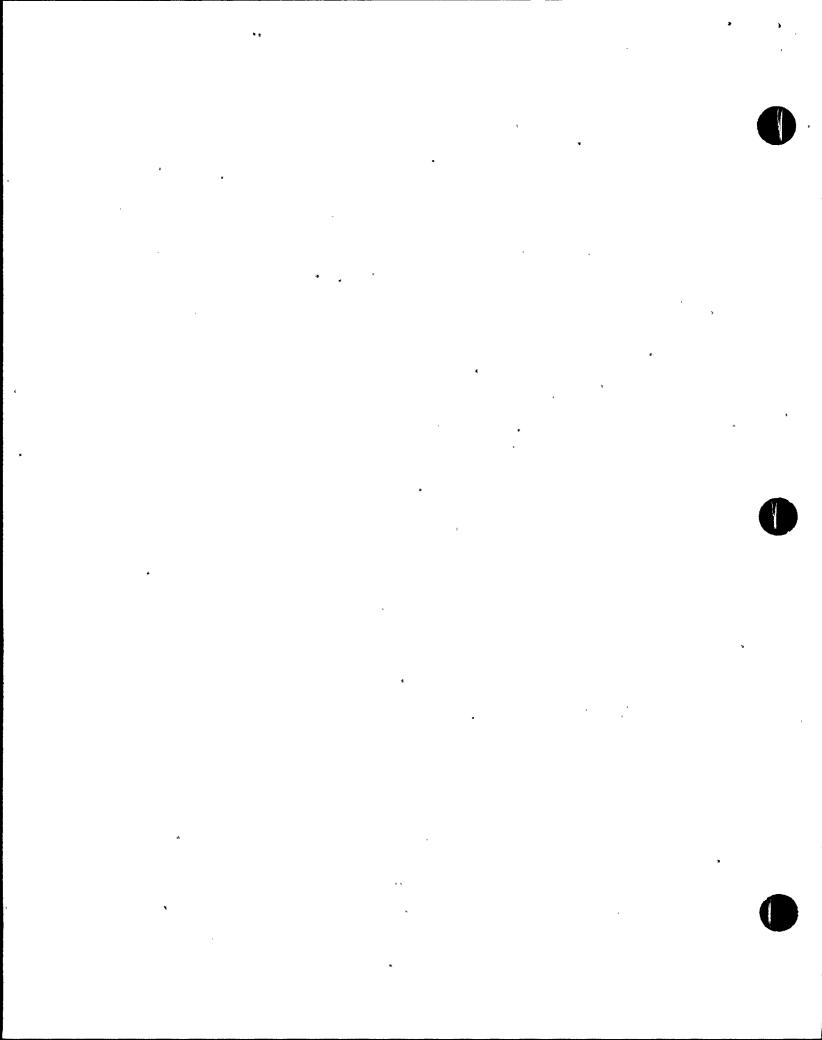
TURKEY POINT UNIT NO. 3

RELIEF REQUEST BASIS



I.I. RELIEF REQUEST BASIS - ATTACHMENT A-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 12
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. i to 2
Diesel Oil System :	Pg. 1 to 1



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' stancpipes.

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 3-519 Category: AC Class: 2

Function: Prevents reverse flow from the Pressurizer Relief Tank to

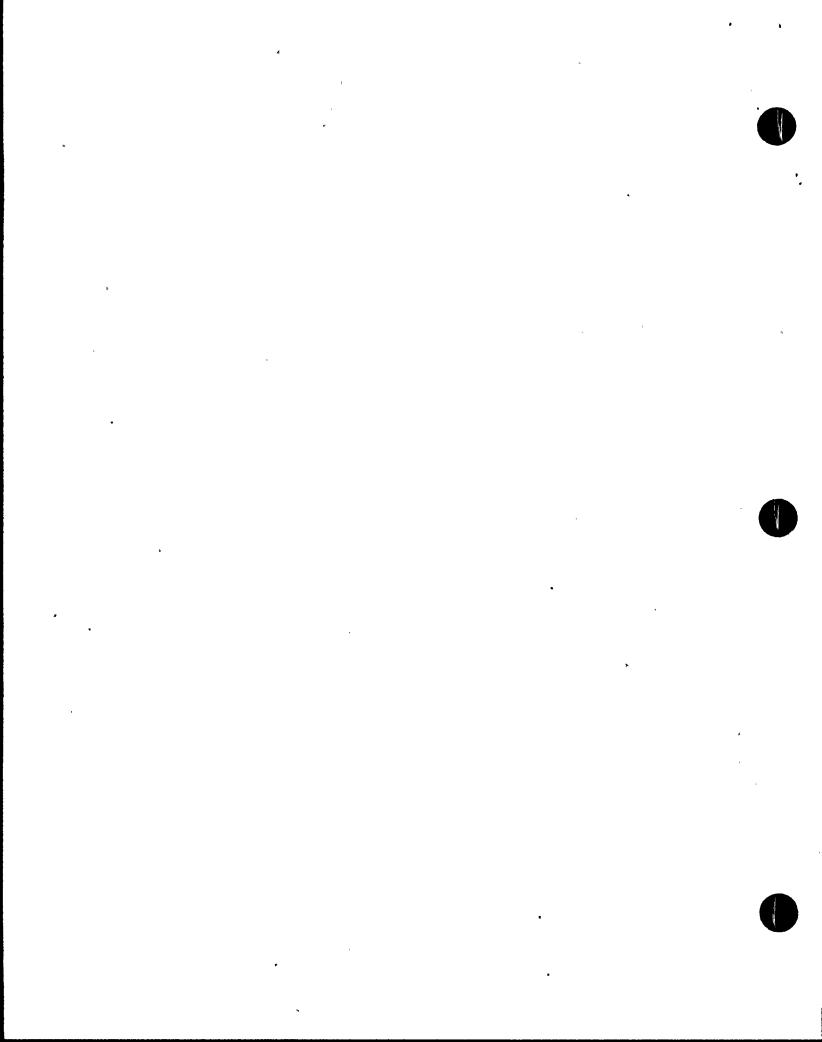
the Nitrogen system.

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.



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: IWV-3410 ·

Basis for Relief: Testing these valves during plant operation would

cause an umbalanced 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: INV-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.

SYSTEM: Chemical and Volume Control .

3. Valve: MOV-3-381 AND MOV-3-381A

Category: A Class: 2

Function: Provides the Reactor Coolant Pump seal injection return

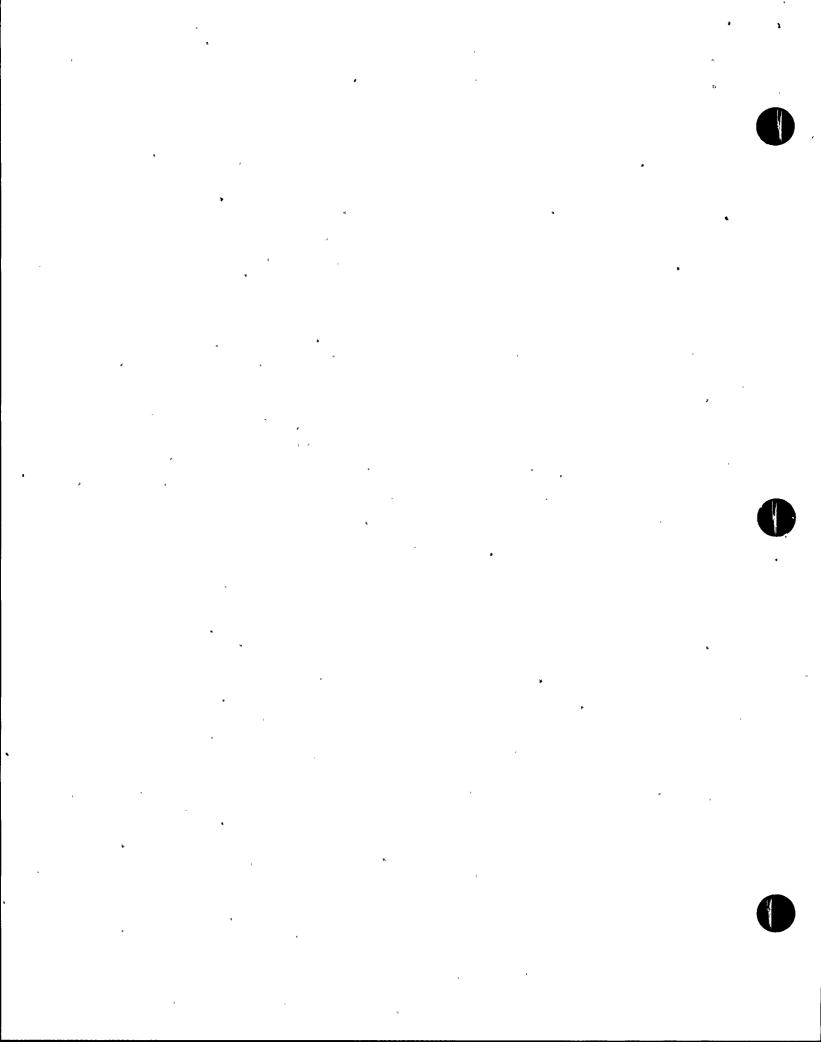
flow path to the Chemical and Volume Control System
Volume Control Tank. In addition, provides the excess
letdown flow path from the Reactor Coolant System to the
Chemical and Volume Control System Volume Control Tank.

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.



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 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-3-310A and CV-3-310B

Category: B Class: 1

Function: Provides redundant charging flow paths to the Reactor

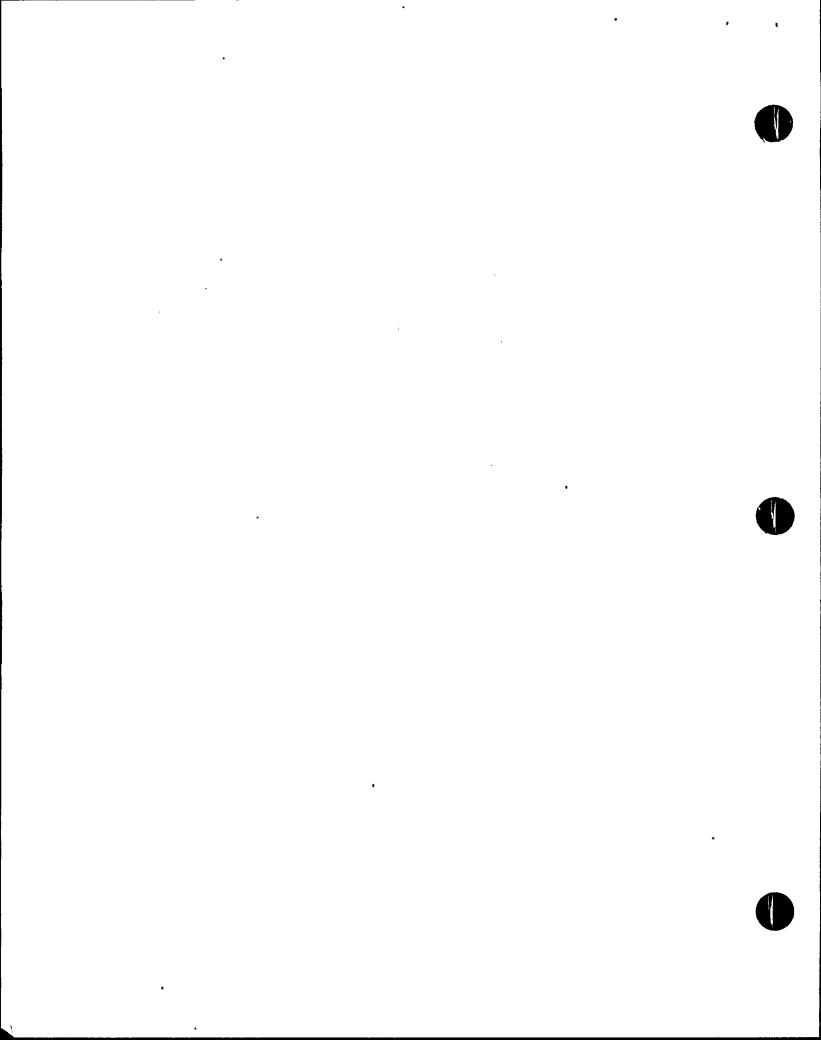
Coolant System.

Test Requirement: INV-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.



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: IWV-3410

Basis for Relief: Testing this valve during plant operation would

cause an umbalanced 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 umsafe 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.

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

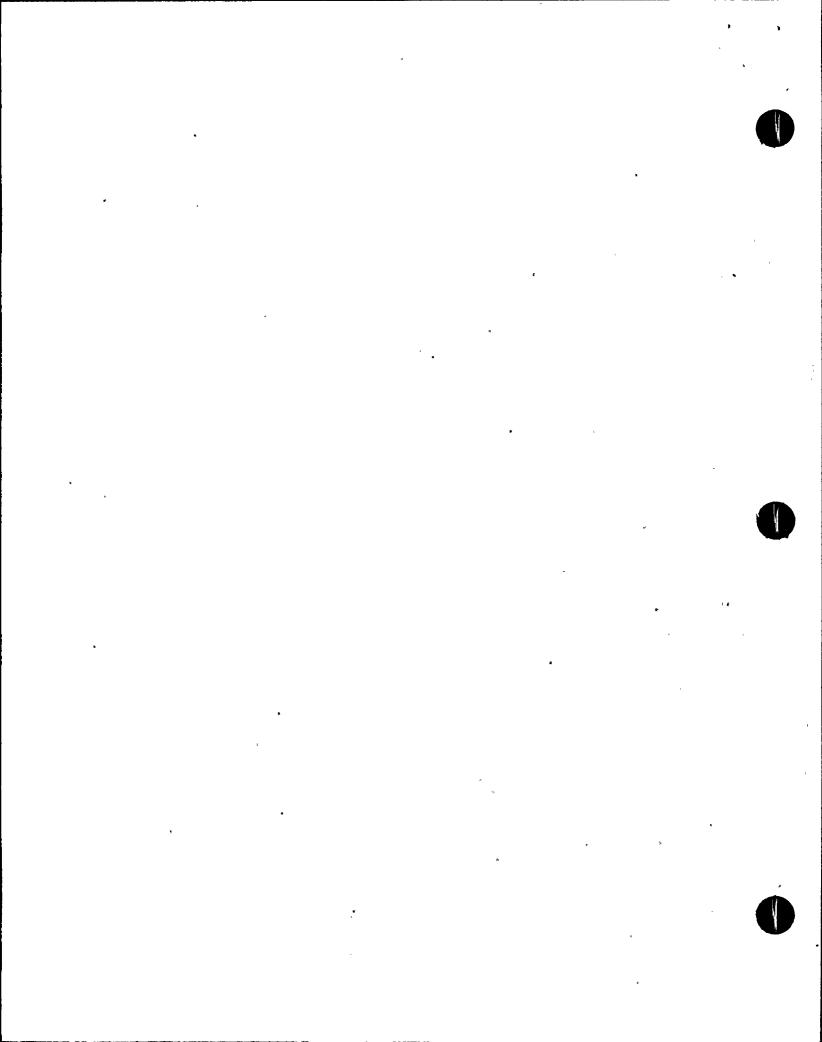
the Reactor Coolant System.

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.



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

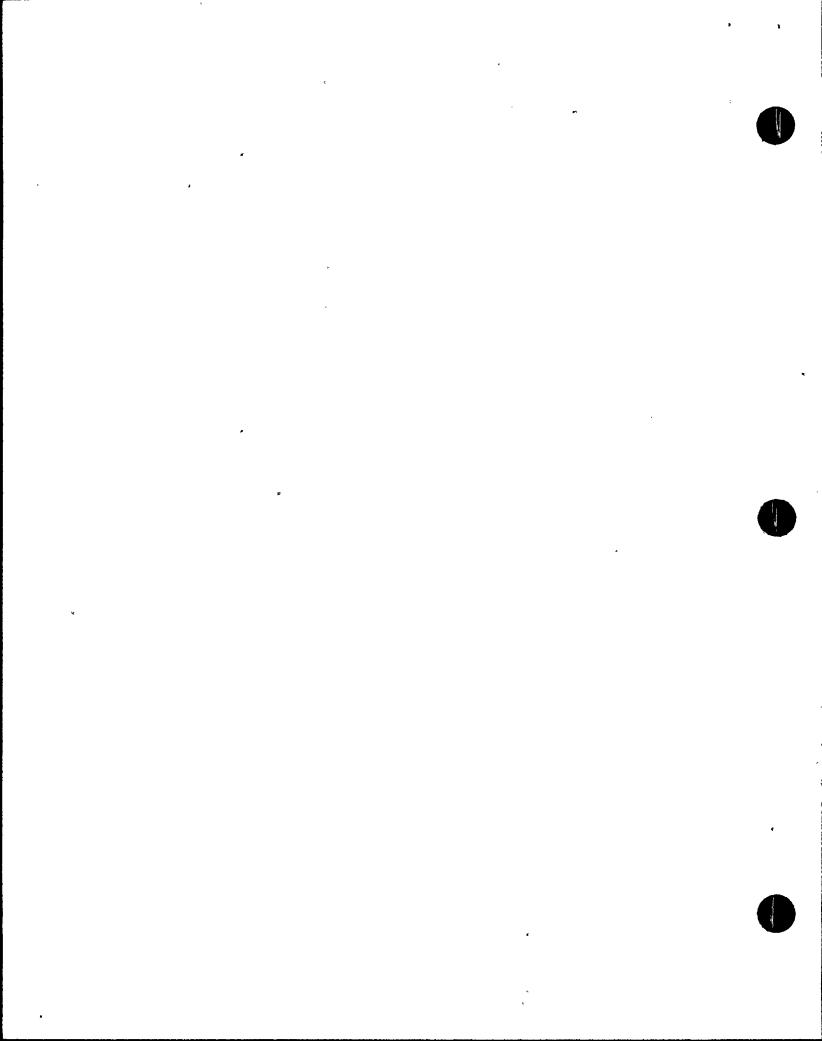
to the Boron Addition System.

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.



SYSTEM: Chemical and Volume Control

12. Valve: 3-357

Category: :C Class: :2

Function: Frevents 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

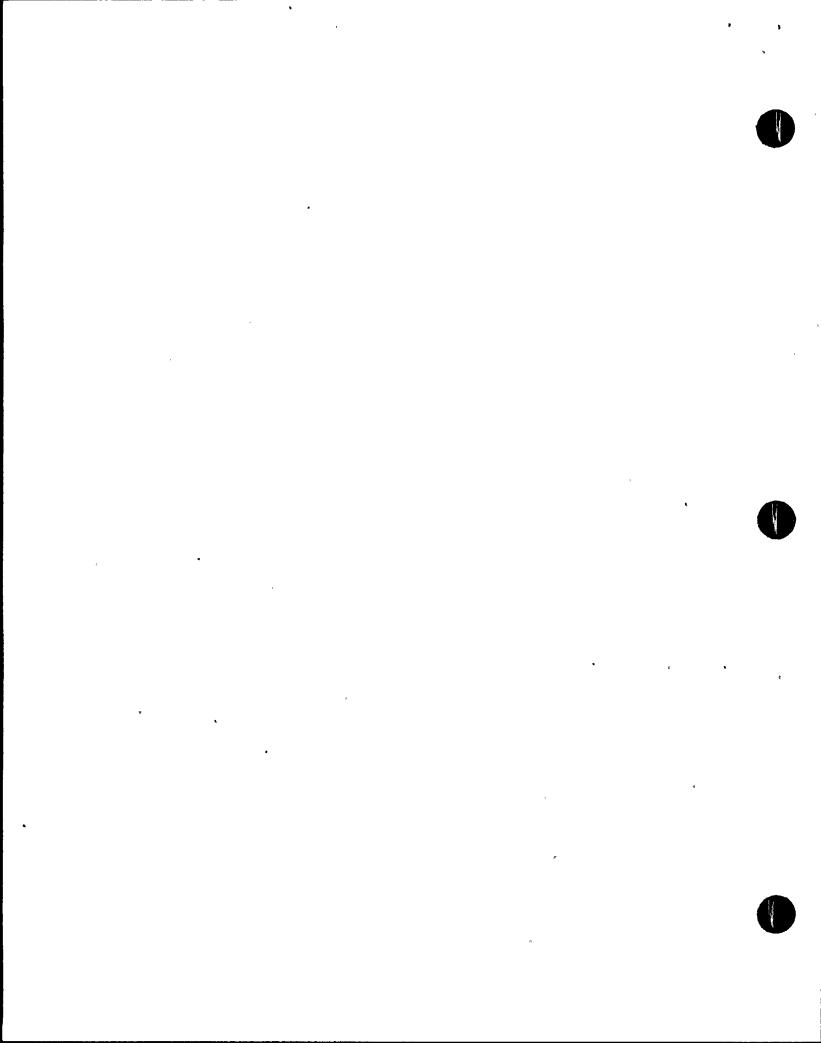
interrupt flow to the Reactor Coolant Pump Controlled Leakage Seal System, which could result in damage to the Reactor Coolant pumps; thereby, placing the plant

in an unsafe mode of operation.

Further, the testing of these valves during cold shutdowns is impractical since it would require draining the Peactor 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.



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

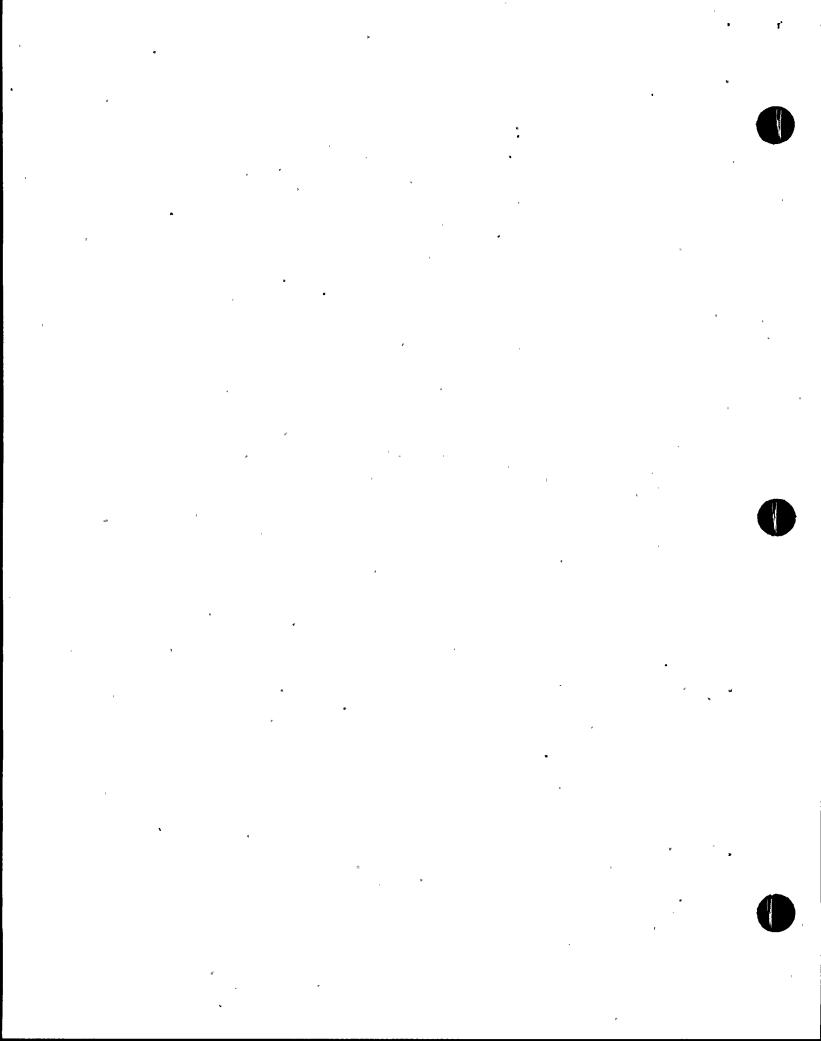
Basis for Relief: Testing this valve during plant operation would cause

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.



SYSTEM: Safety Injection

1. Valve: MOV-3-860A and MOV-3-860B

Category: E

Function: Provides the flow path from train "A" and train "B"

containment recirculation summs 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-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,

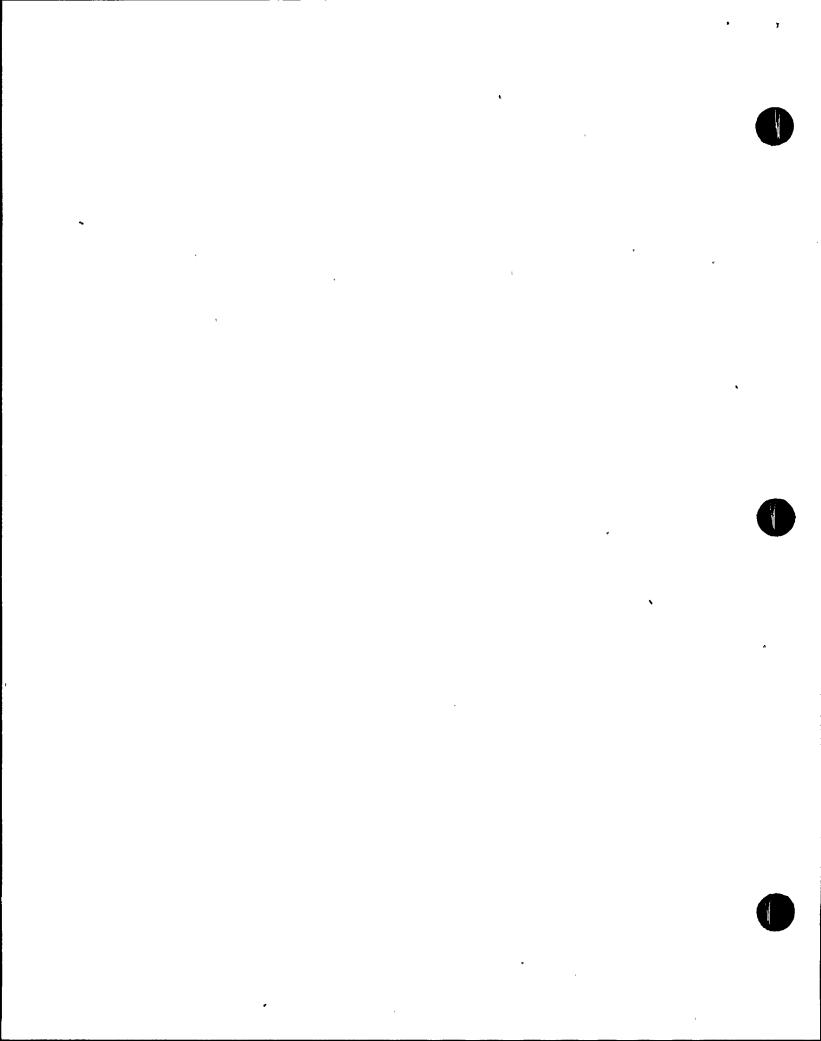
during the recirculation phase following a LOCA.

Test Requirement: 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.



SYSTEM: Safety Injection

3. Valve: MCV-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.

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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: 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-3-866A and MOV-3-866B

Category: B Class: 1

Function: Provides High Pressure Safety Injection redundant flow paths

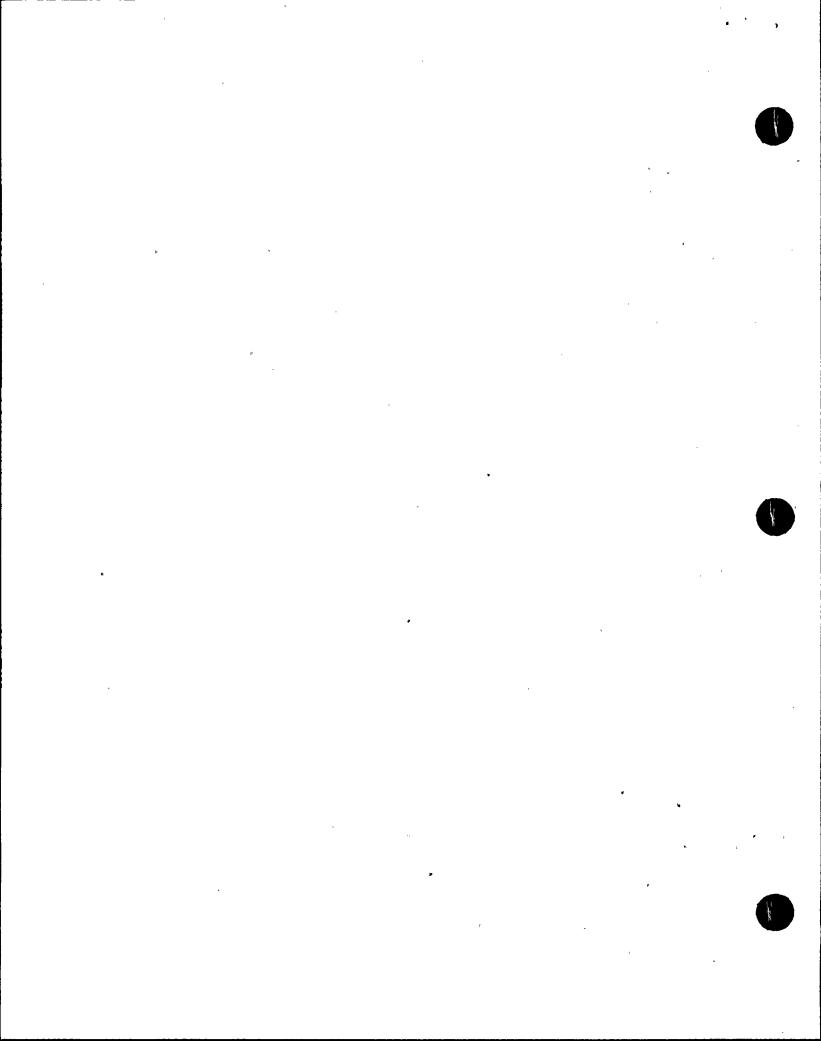
to the Reactor Coolant System Hot Legs.

Test Requirement: IWV-3410

Pasis 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 4-374A or 4-874B, could subject the Safety Injection System

to pressures in excess of its design pressure.



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: 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: 3-876D and 3-876E

Category: Class: 1

Function: Prevents reverse flow from the Accumulator Safety Injection

System and the High Pressure Safety Injection System to the

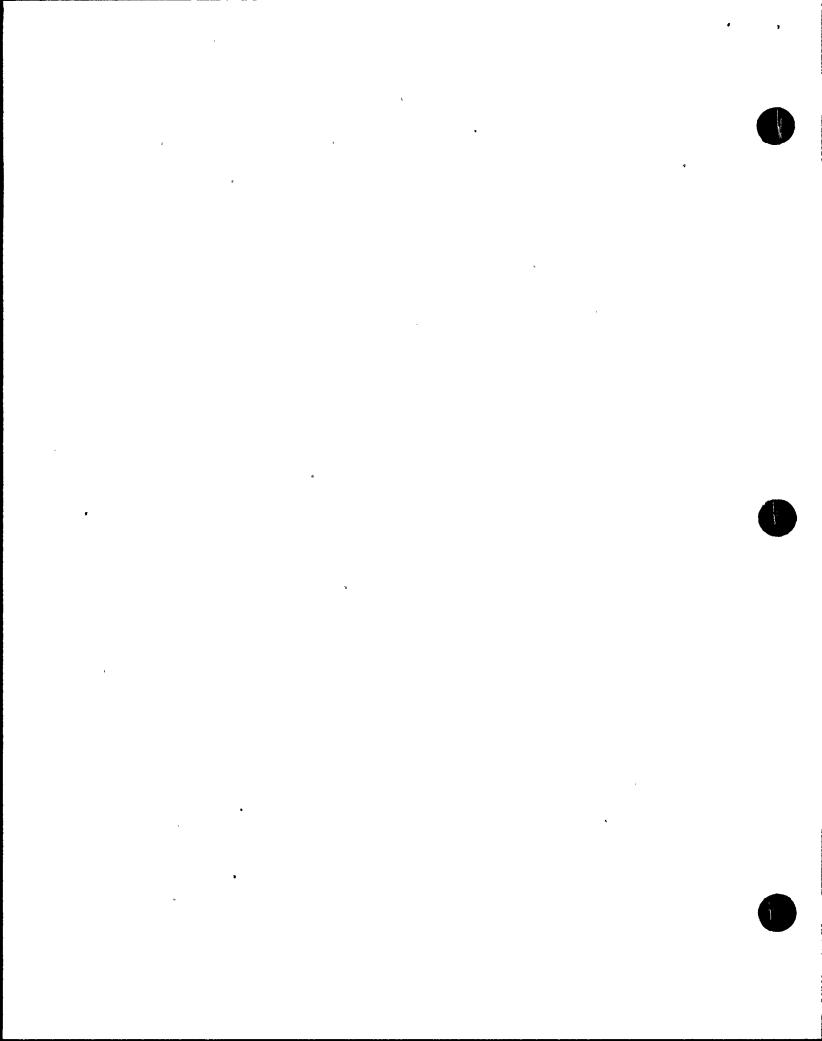
Low Pressure Safety Injection System alternate flow path.

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.



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.

SYSTEM: Safety Injection

11. Valve: MOV-3-864A and MOV-3.-864B

Category: B 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

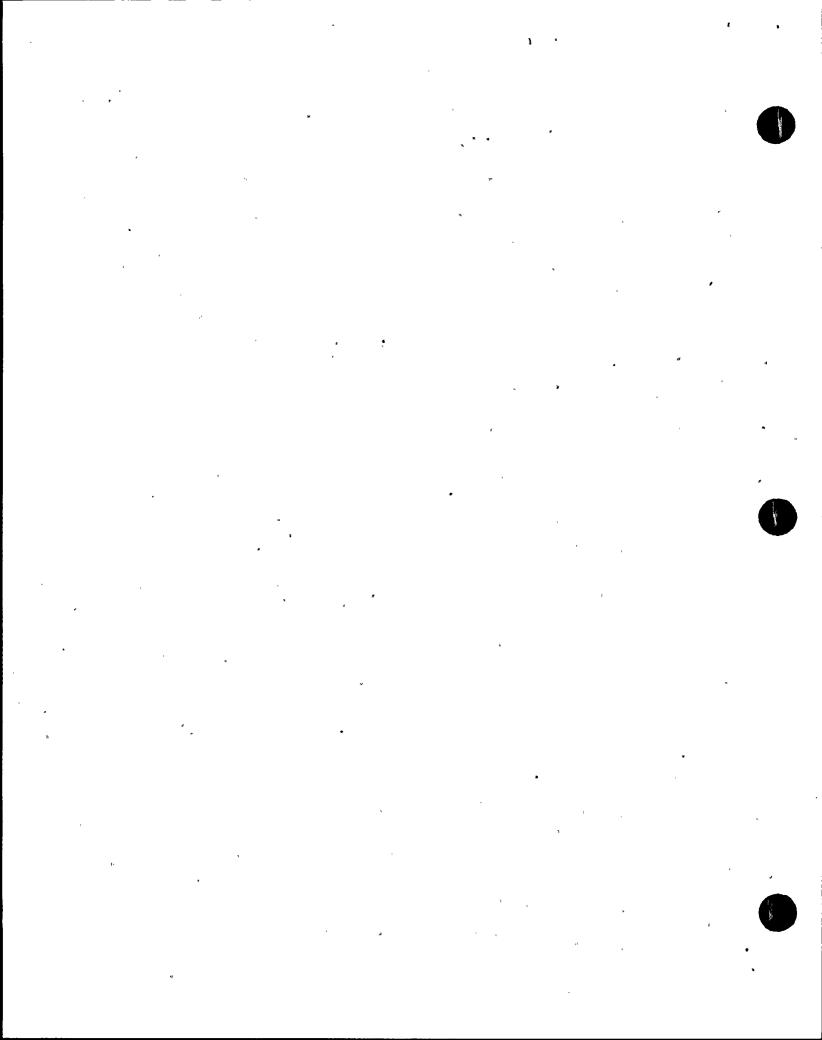
operation.

The failure of either of these valves in the closed position, by testing during cold shutdown, would jecpardize 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.



SYSTEM: Safety Injection

12. Valve: MOV-3-862A and MOV-3-862B

Category: B 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 Injec-

tion 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.

SYSTEM: Safety Injection

13. Valve: SV-3-2905 and SV-3-2906

SV-3-2907 and SV-3-2908 SV-3-2909 and SV-3-2910

Category: B Class: 2

Function: Provides for redundant flow paths from the operating

Containment Spray Headers to the associated Emergency

Containment Filter.

Test Requirement: IWV-3410

Basis for Relief: These redundant valves are solenoid operated

(pilot actuated) and require pressure in the

line to move the main disk to the open position after the solenoid operator moves

the pilot valve off its seat.

Functional testing of these redundant valves by placing the containment spray system in operation would result in dousing the filters.

and other components located inside the containment building. Testing these valves by connecting an external water source to the containment spray header would also result in dousing the filters and other components located inside the containment

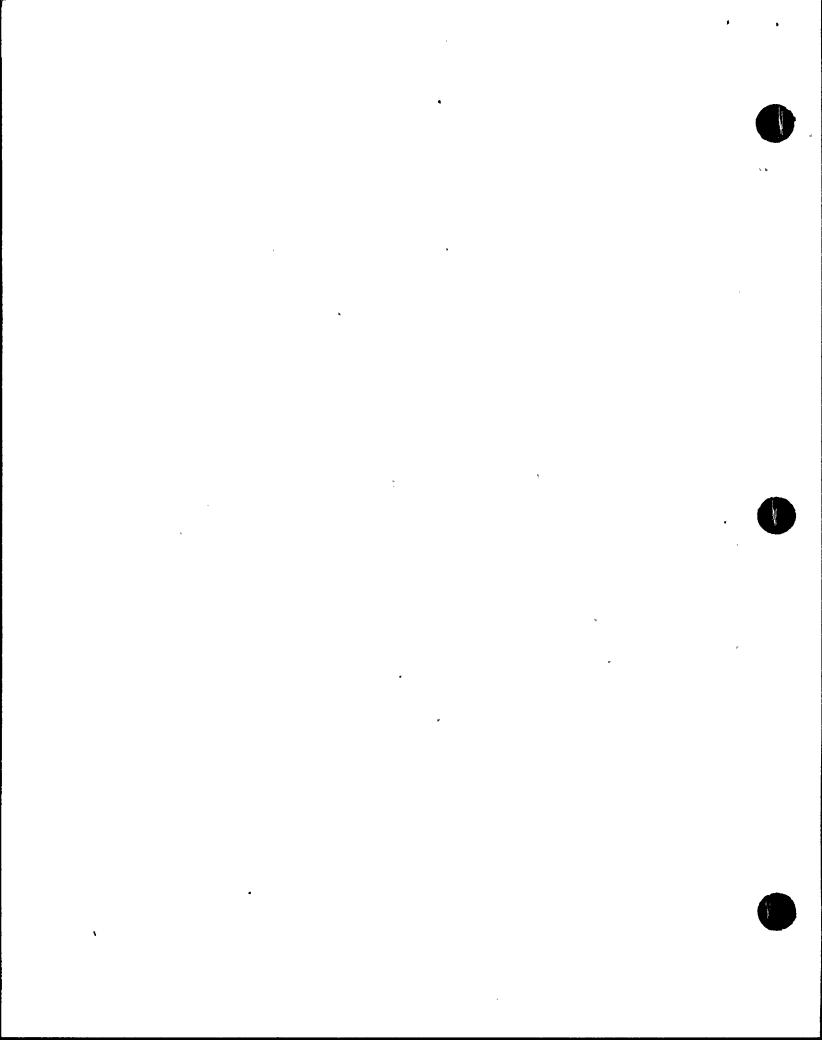
building.

Alternate Testing:

These redundant valves can be tested by connecting an external air supply with sufficient air pressure to ensure the main disk moves to the open position.

These valves will be tested during refueling

shutdowns.



Safety Injection SYSTEM:

Valve: 3-2918 and 3-2921

3-2919 and 3-2922

3-2920 and 3-2923

3-890A and 3-890B

Category: Class:

Function: Prevents reverse flow fron an operating Containment

Spray header to the other Containment Spray Header.

Test Requirement: IWV-3520

Basis for Relief: Functional testing of these redundant valves

by placing the containment spray system in

operation would result in dousing the components located inside the containment

building. Testing these redundant valves by connecting an external water source to the

containment spray system would also result

in dousing the components located inside

the containment building.

Alternate Testing: Each of these redundant check valves will be

disassembled, to inspect the valves' internals

and to physically verify the valves' freedom

of motion to the open and closed position,.

at least once each 120 month Inservice Inspection Interval. This inspection will

be performed .during refueling shutdowns.

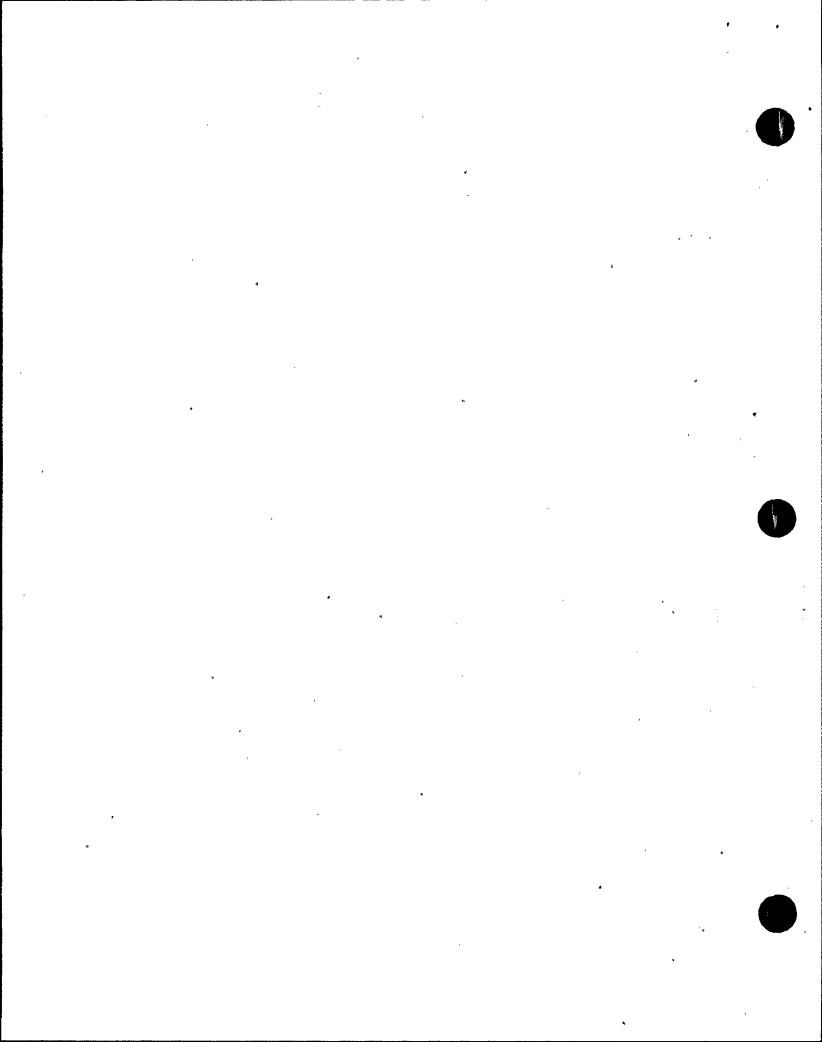
Any problems found during this inspection would be cause for inspecting the other valves.

This provides for an inspection of one of

these redundant check valves during refueling

shutdowns over the 120 month Inservice

Inspection Interval.



Turkey Point Unit No. 3

RELIEF RECUEST BASIS

Safety Injection .

15. Valve:

3-874A and 3-874B

Category: C Class:

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

to the High Pressure Safety Inspection System.

Test Requirement:

INV-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

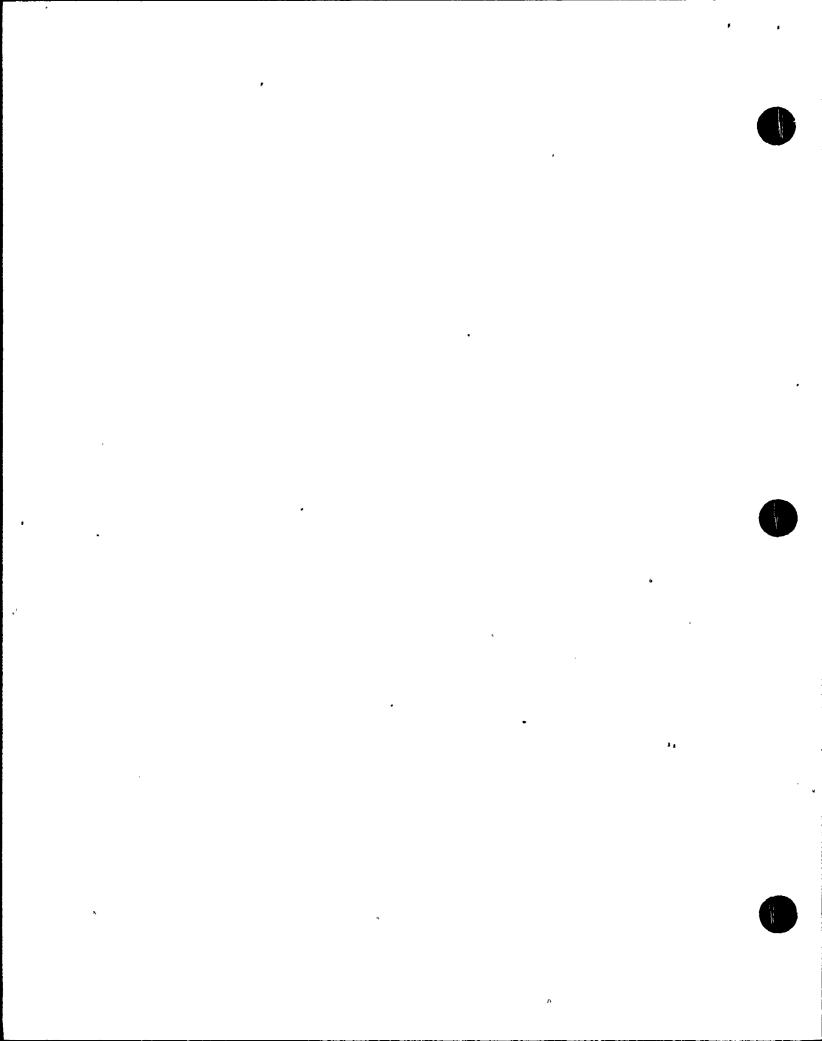
is impractical since it could subject the Reactor

Coolant System to conditions exceeding Pressure-Tempera-

ture limits.

Alternate Testing:

These valves will be tested during refueling shuticwas.



SYSTEM: Safety Injection

16. Valve: 9-873A, 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: 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 shut-

downs 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: 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-Tempera-

ture limits.

F RECUEST BASIS

Safety Injection

879A, 879B, 879C, and 879D 19. Valve:

> Category: Class:

Prevents reverse flow from the High Pressure Safety Function:

System Supply Header to a non-operating High Pres-

. sure Safety Injection Pump.

Test Requirement: IWV-3520

These valves cannot be tested during plant Basis for Relief:

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 con-

ditions exceeding pressure-temperature

limits.

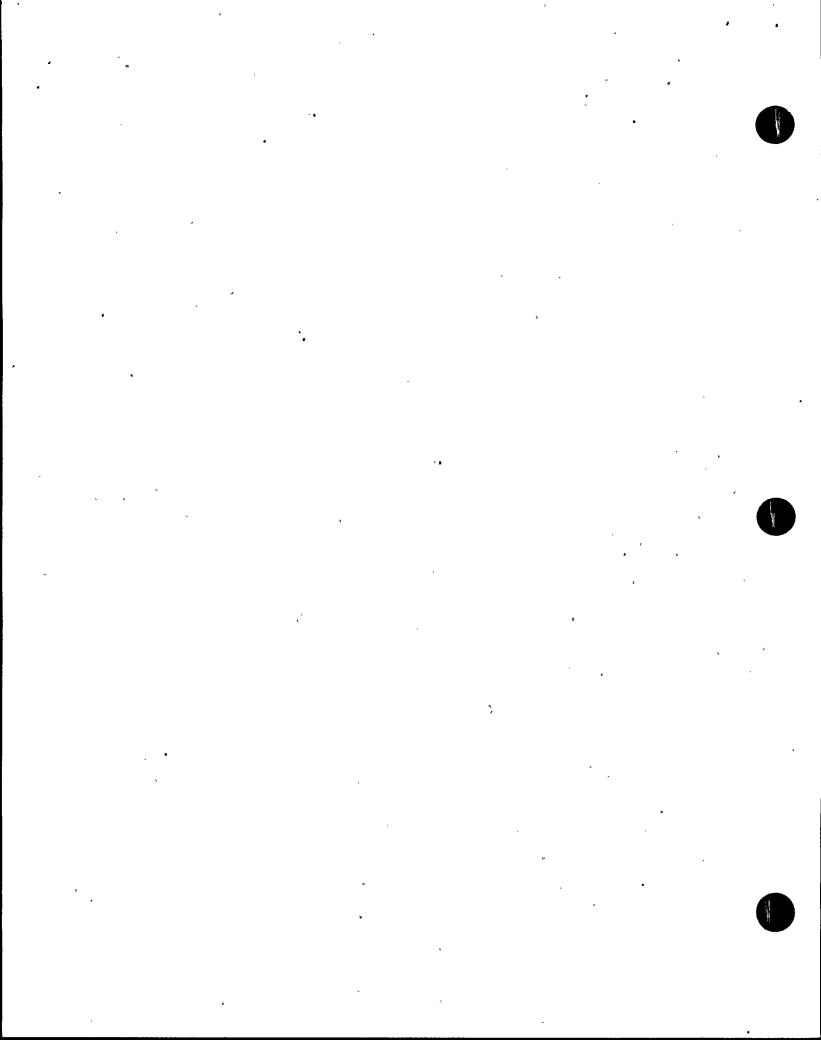
Alternate Testing: These check valves will be exercised during

refueling shutdown.

These check valves will be exercised Additional Testing:

quarterly during the performance of

associated pump tests.



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 de-

sign pressure.

Alternate Testing: 'These check valves will be tested during

cold shutdown.

2. Valve: 3-753A and 3-753B

Category: B Class: 2

Function: Prevents reverse flow from the Low Pressure Safety

Injection (Residual Heat Removal) System supply header to a non-operating Low Pressure Safety

Injection (Residual Heat Removal) pump.

Test Requirement: IWV-3520

Basis for Relief: These valves cannot be tested during

plant operation because the Low Pressure Safety Injection (Residual Heat Removal) pumps do not develop sufficient discharge head to establish a flow path

to the Reactof Coolant System.

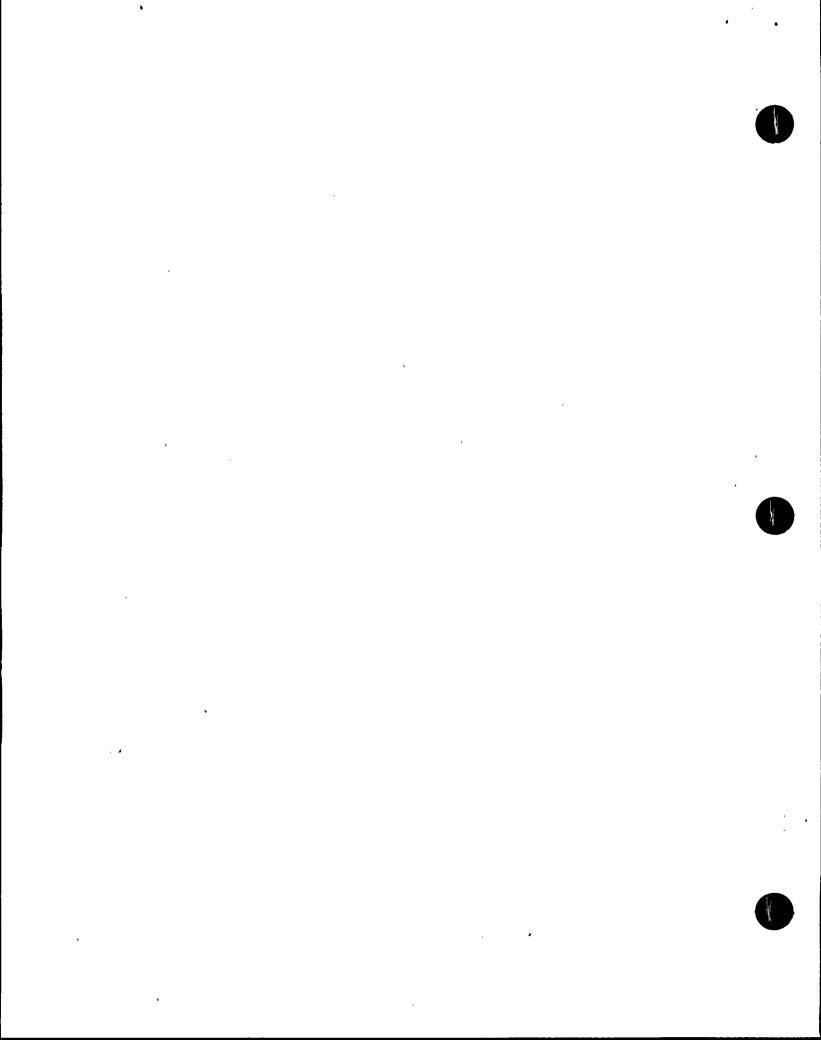
Alternate Testing: These check valves will be exercised

during cold shutdown.

Additional Testing: These check valves will be exercised

quarterly during the performance of

associated pump tests.



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,

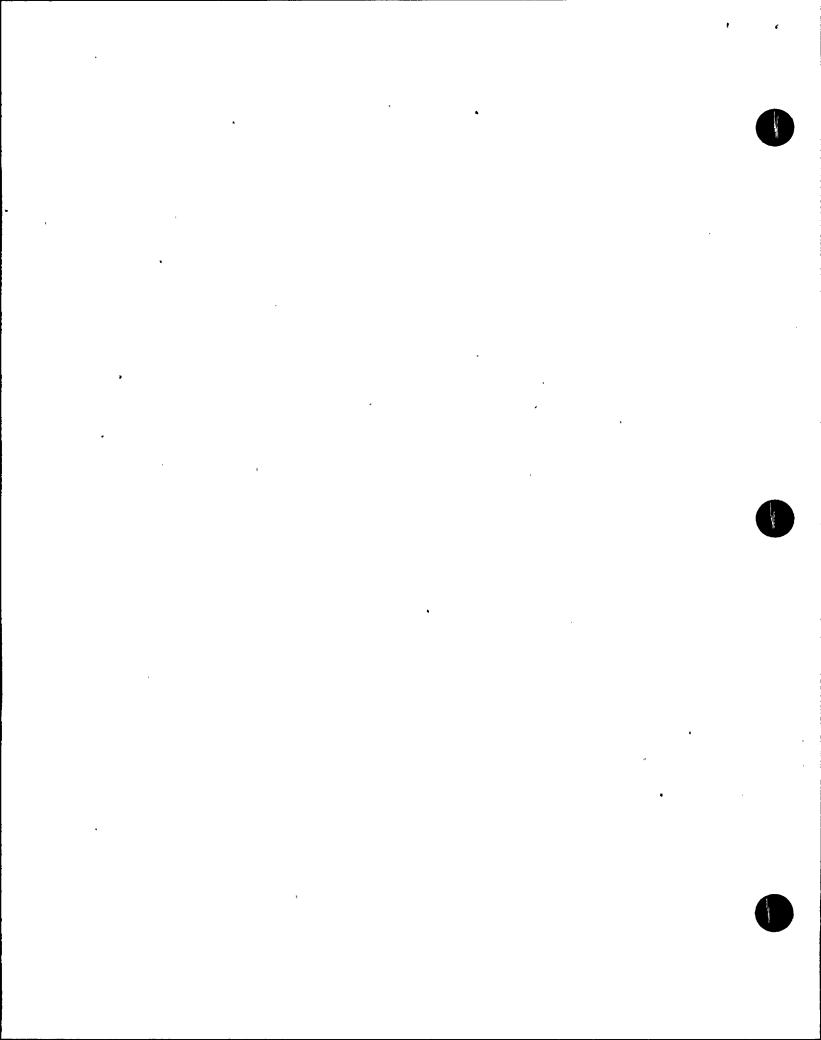
shell side, to the component cooling water supply header.

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.



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: 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-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 '

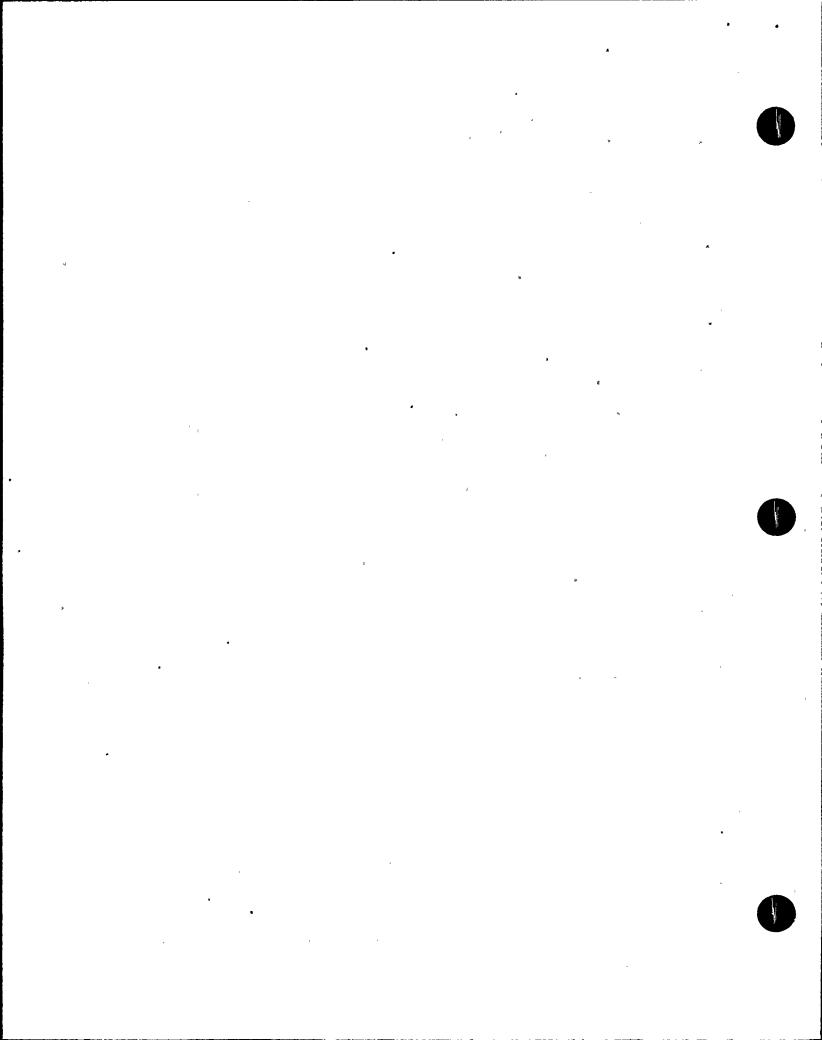
and thermal barriers).

Test Requirement: INV-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.



SYSTEM: Auxiliary Coolant, Component Cooling Water

5. Valve: MOV- 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

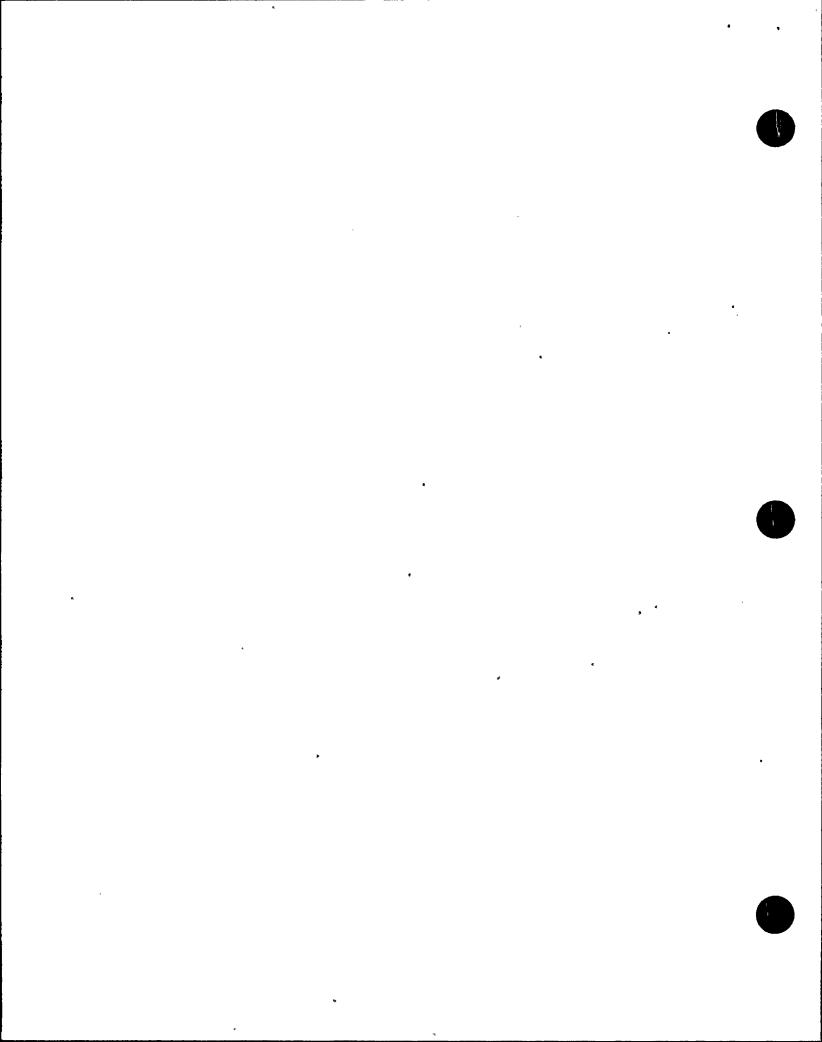
thermal barriers.

Test Recuirement: 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.



SYSTEM: Sampling

1. Valve: CV-3-

e: 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,

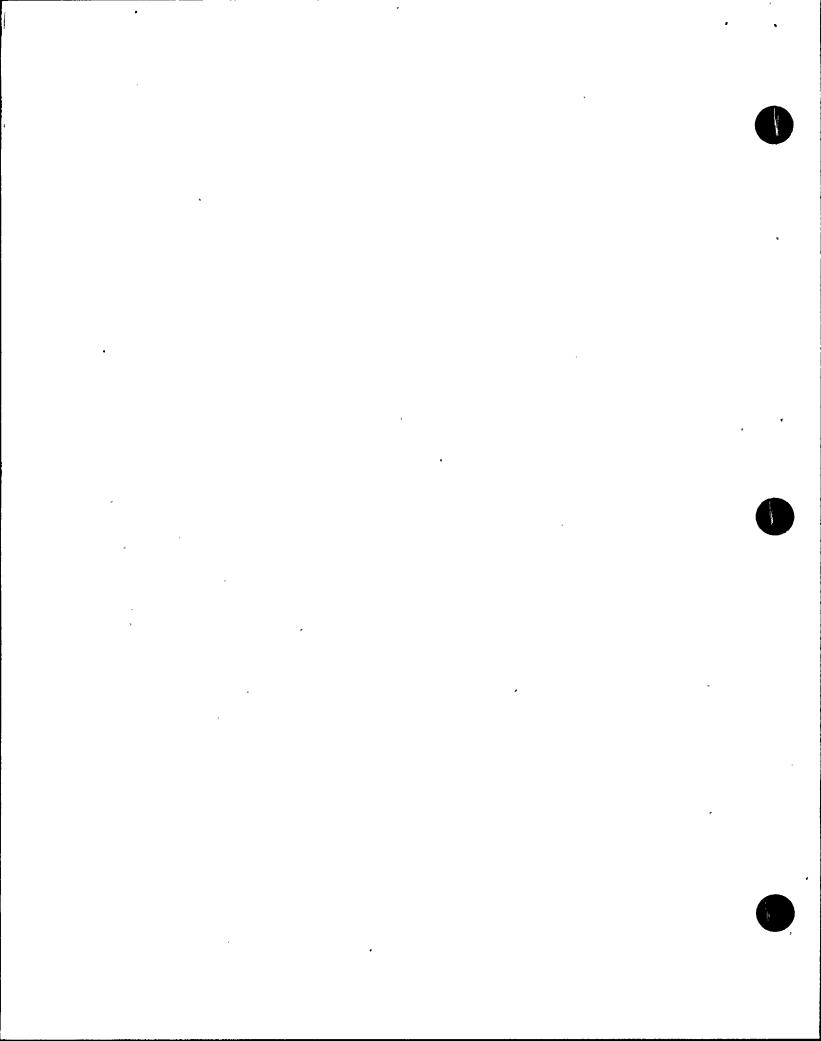
and the accumulators respectively, to the Sample System.

Test Requirement: 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.



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 satis-

factorily.

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

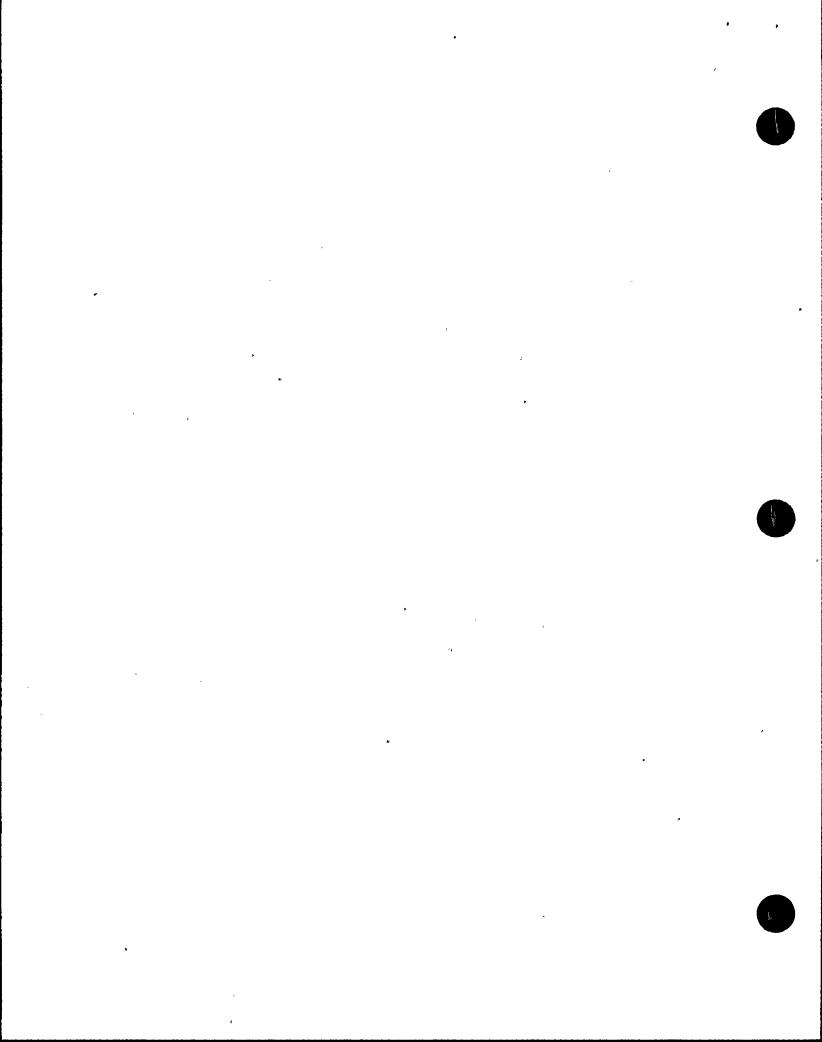
for the valve to fulfill its safety

related function.

Alternate Testing: Exercising these valves quarterly

will demonstrate that the moving parts of the valve function satis-

factorily.



SYSTEM: Main Steam

1. Valve: POV-3-2604, POV-3-2605, POV-3-2606

Category: C Class: 2

Function: Provides the flow path from the associated steam

generator to the main steam line header.

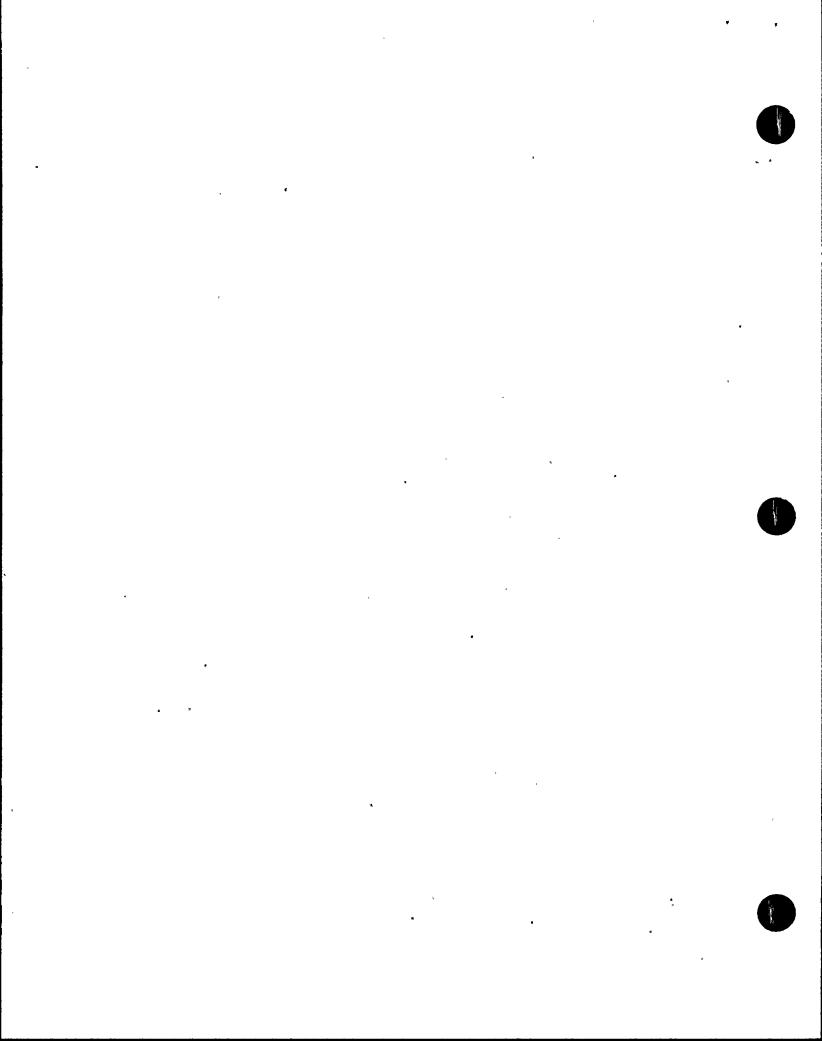
Test Requirement: IWV-3520

· 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.



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: .CV-3-6275A, CV-3-6275B, and CV-3-6275C

Category: B Class: 2

Function: Provides the flow path from the associated steam generator

secondary side to the Blowdown system.

Test Requirement: INV-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.

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: $CV = \frac{3}{2} - 2816$, $CV = \frac{3}{4} - 2817$, $CV = \frac{3}{4} - 2818$, $CV = \frac{3}{4} - 2831$,

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 flow 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.

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

]. Valve: 3-40-204

Category: A 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: 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: INV-3520

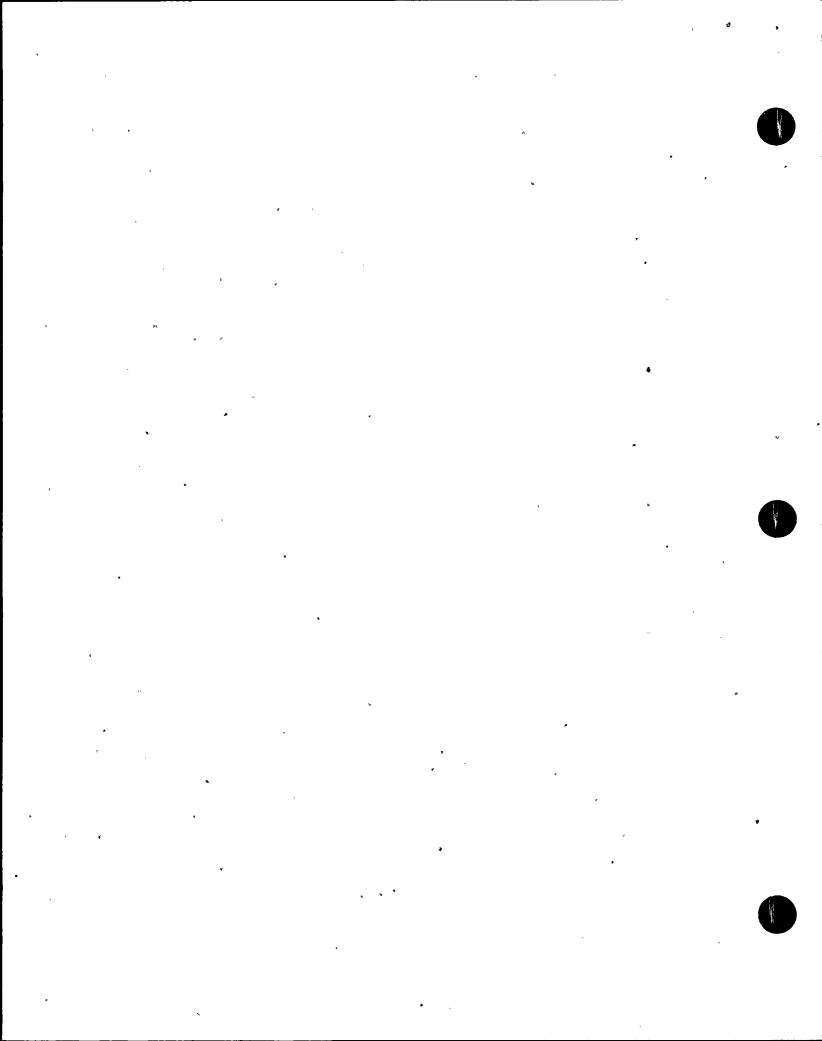
Basis for Relief: The failure of this valve in the open position,

by testing during plant operation, would cause a

· •= •

loss of containment integrity.

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



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

3. Valve: 3-40-203

Category: B (Class: 2

" Function: Provides the flow path from the Service Air System to

the containment (valve in series with 3-40-204).

Test Requirement: IWW-3410

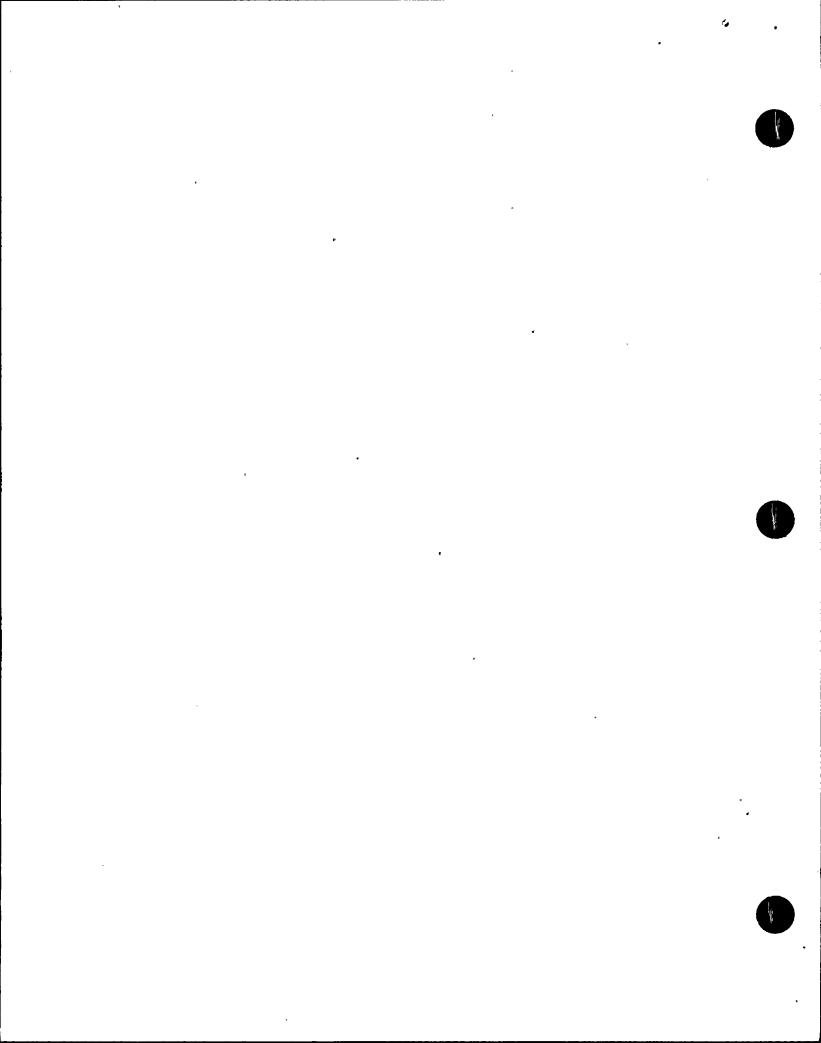
Basis for Relief: This valve is required to be tested only to

provide the necessary flow path to valve 3-40-204

and will be tested during cold shutdowns (See

3,-40-204 RRB No. 1).

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



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

4. Valve:

3·-40-336

Category: AC Class:

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.

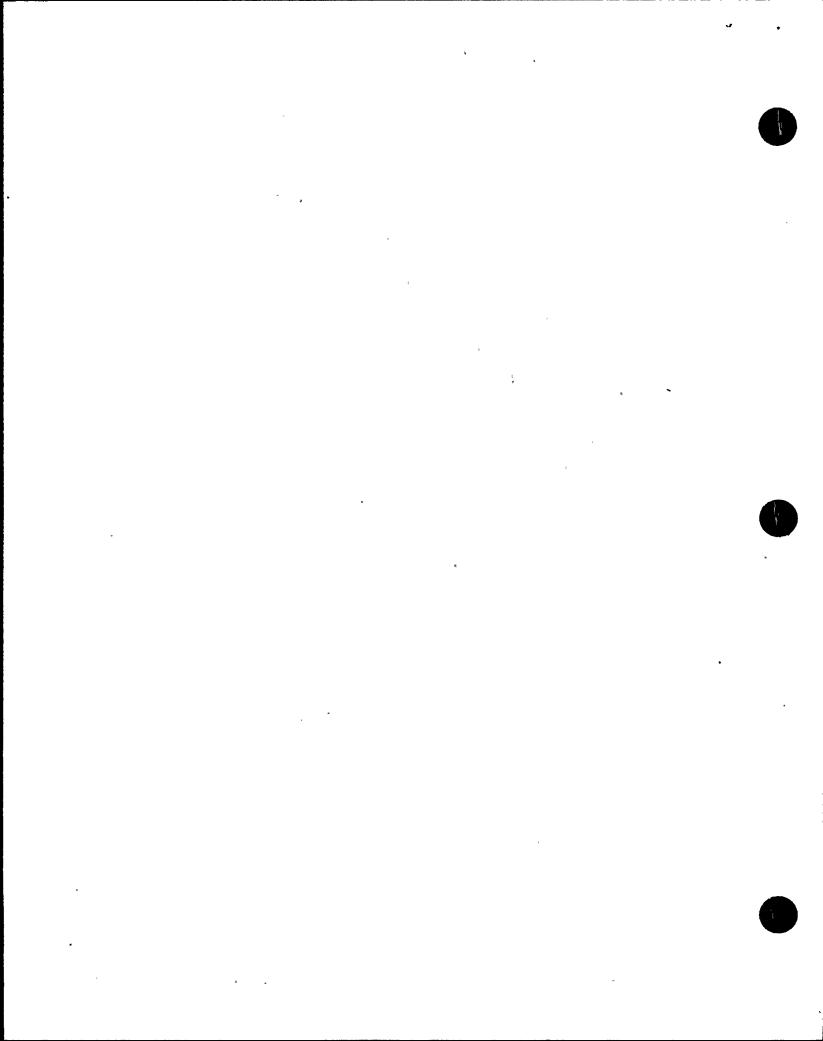
Testing this valve during cold shutdown would interrupt the instrument air supply to the components located inside containment that require instrument air to maintain the plant in a safe. shutdown condition; thereby, placing the plant in

an unsafe mode of operation.

Alternate Testing:

This valve will be tested during refueling

shutdowns.



SYSTEM: Primary Make-up and Containment Cooling Water

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

Category: B Class: 2

Function: Provides the component cooling water supply (MOV-3-1417)

and return (MOV-3-1418) flow paths for the normal containment coolers, the control rod drive mechanism coolers, and

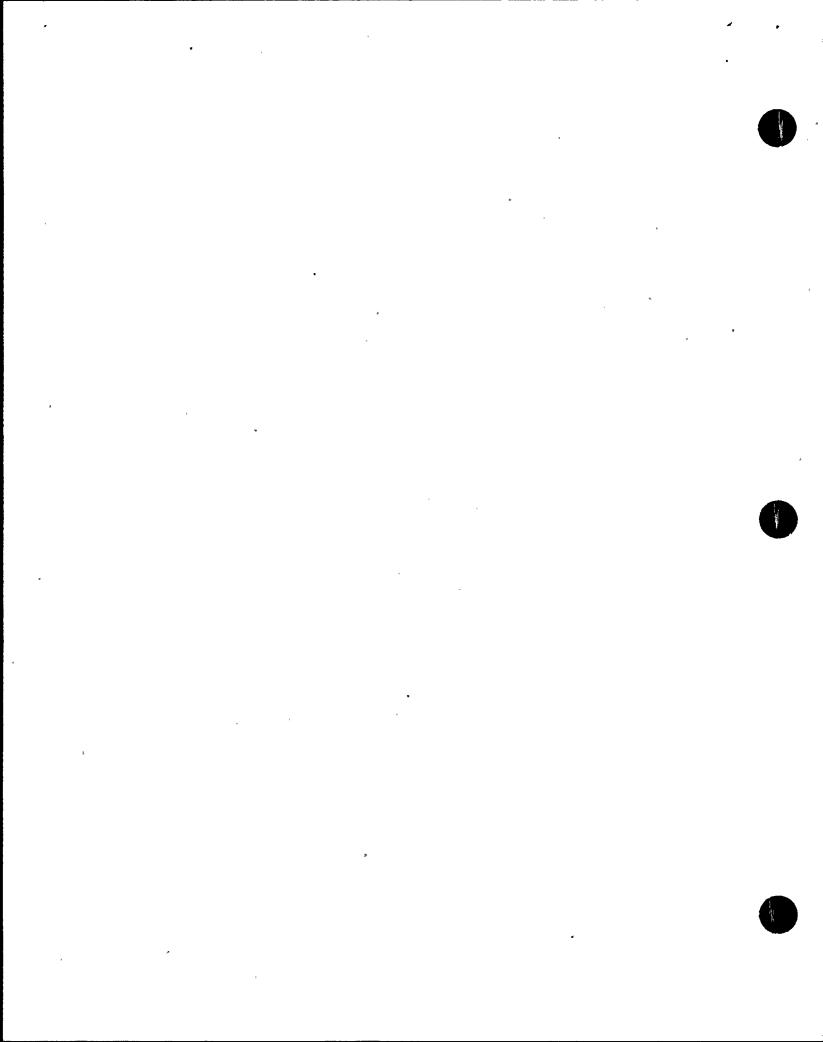
, the primary shield cooling coils.

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.



SYSTEM: Containment Ventilation

1. Valve: HV-3-1 and HV-3-3

Category: B Class: 2

Function: Provides redundant flow paths for Pést 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-3-2 and HV-3-4; PAHM-3-001A and PAHM-3-001B

Category: A Class: 2

Function: Provides redurdant flow paths for Post Loss of Coolant

Accident purge.

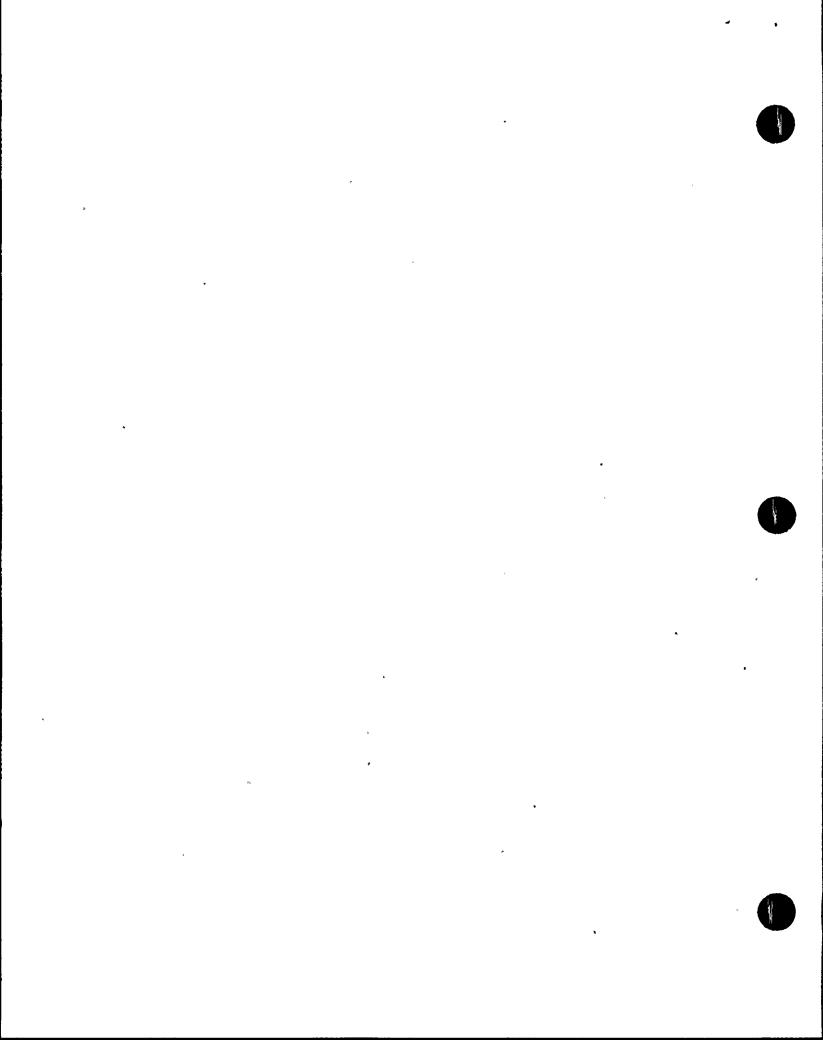
Test Requirement: IWV-3410

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.



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: 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 radicactivity.

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 shut-

downs.

4. Valve: 7. 3. PAHM-3-002A and PAHM-3-002B

Category: A 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

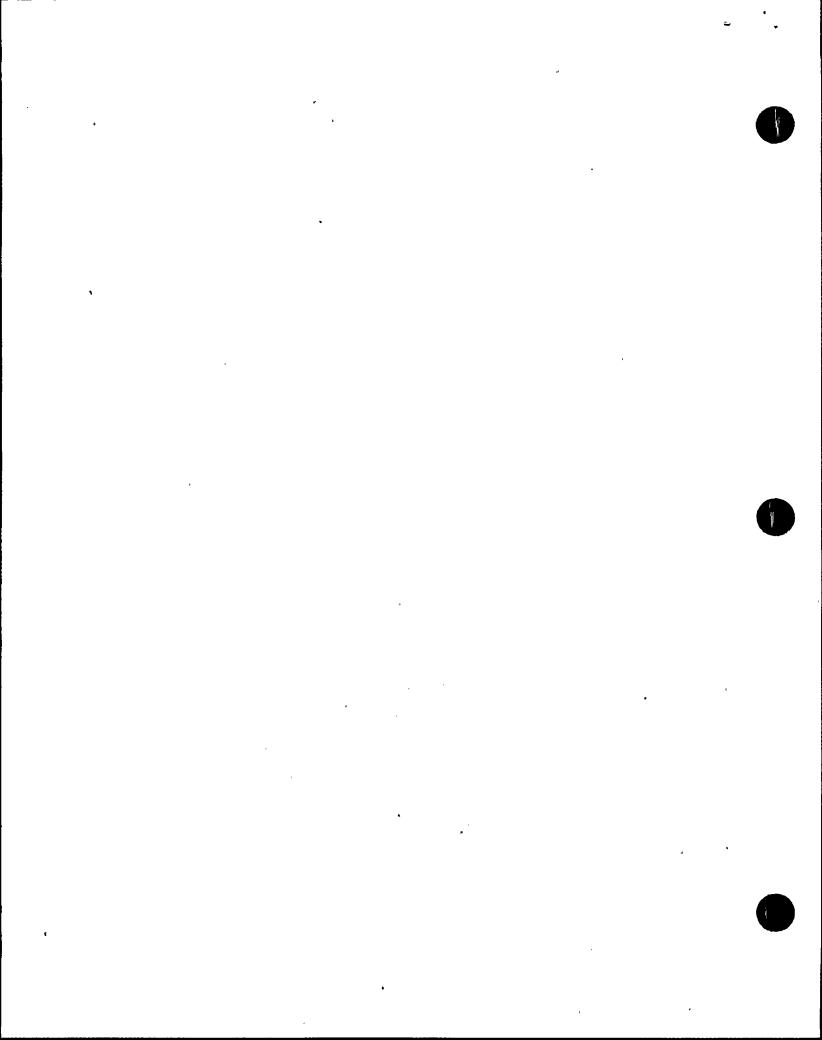
System which is sensitive to radioactivity.

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 shut-

downs.



II. PUMP TEST PROGRAM

II.A. Table IV - Test Paramenters

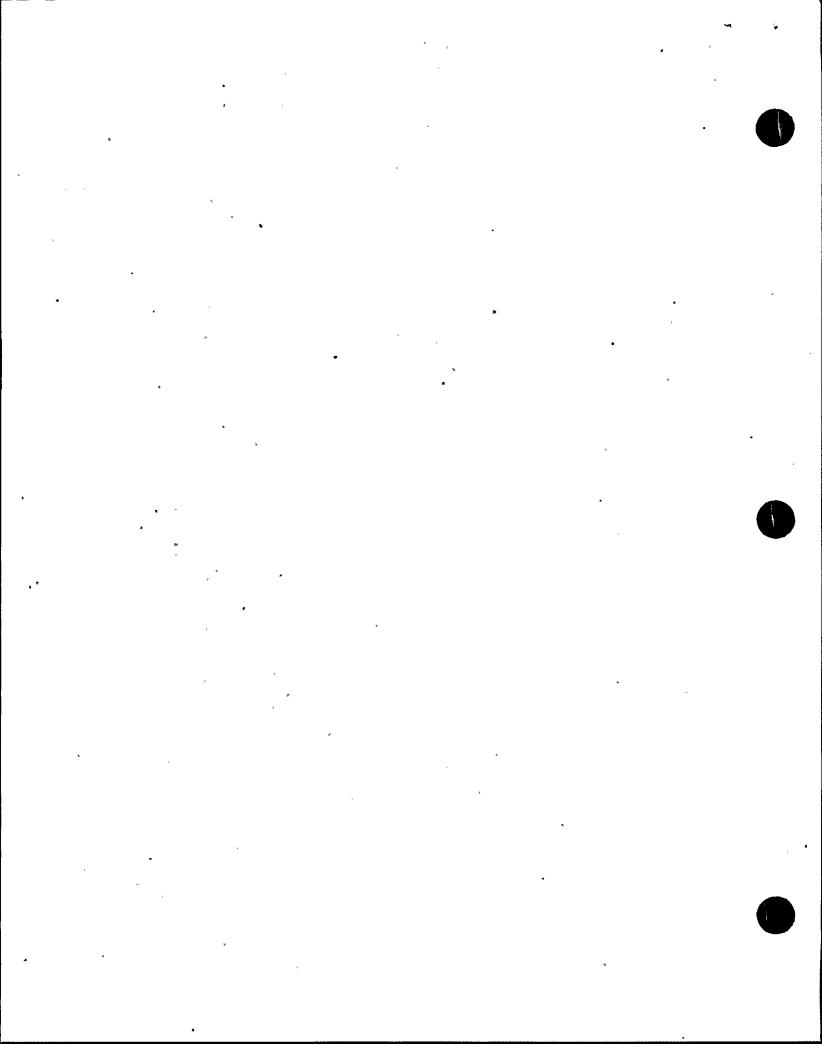
This subsection outlines the pumps which are provided an emergency power source.

II.B. Test Interval

In accordance with Relief Request to sub-section IWP-3400, the quarterly test interval as defined in this pump test program is only inclusive of operational modes Power Operation, Hot Standby, or . Hot Shutdown (as appropriate) as defined in the Turkey Point Unit No. 4 Technical Specifications.

III.C. Attachment A-2

Relief Request Basis

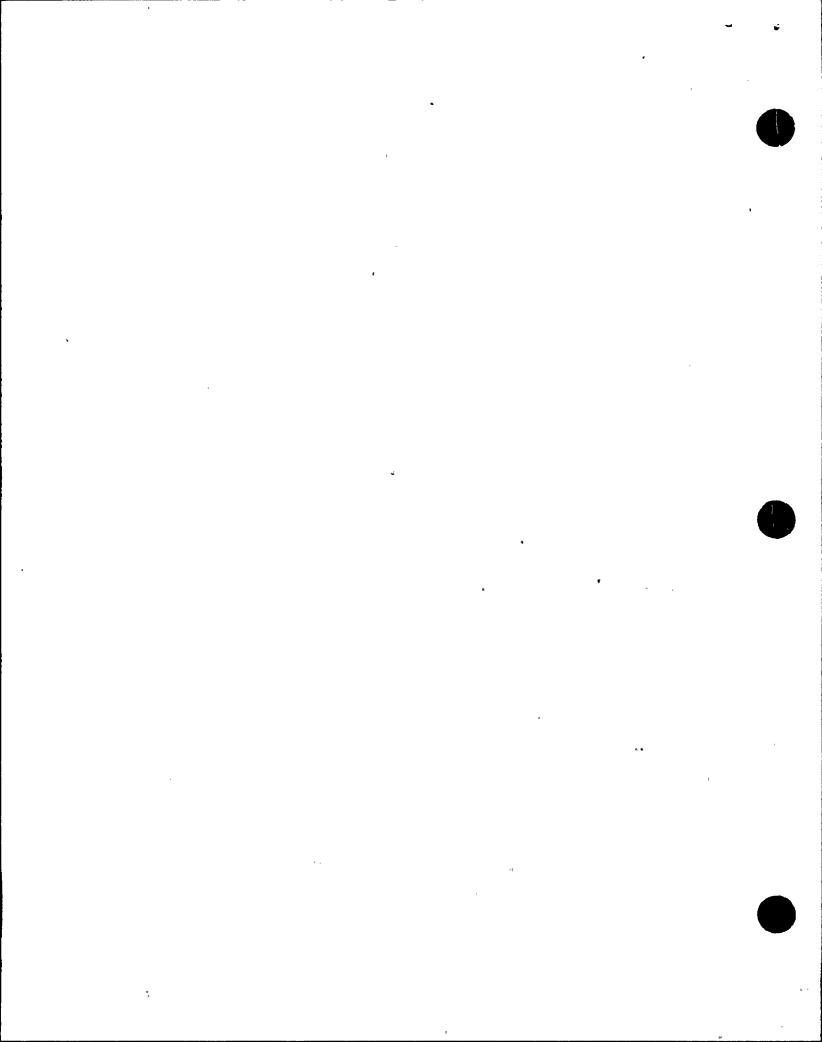


PUMP TEST PROGRAM

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. (P2C .	Yeu	Yes	Yes ·	Yes ⁽³⁾	Yen .	Yos	:
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	3-r9C	Ho	·Yes	Yes '	Yos (3)	Yeu	NO	1
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itemoval ·	3-p2100.	Ho	'Yes	Yes •	· 110 ⁽²⁾	Yes	tlo	1.
Component Cooling	3-P211A ·	110	Aca	You	Yos (3)	You	Yos	
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	3-r211C	No	Yes	. You	You (3)	You	Yon	
Containment Spray	3-r214h	tto	Yas	Yes	10 (2)	Yan	You	
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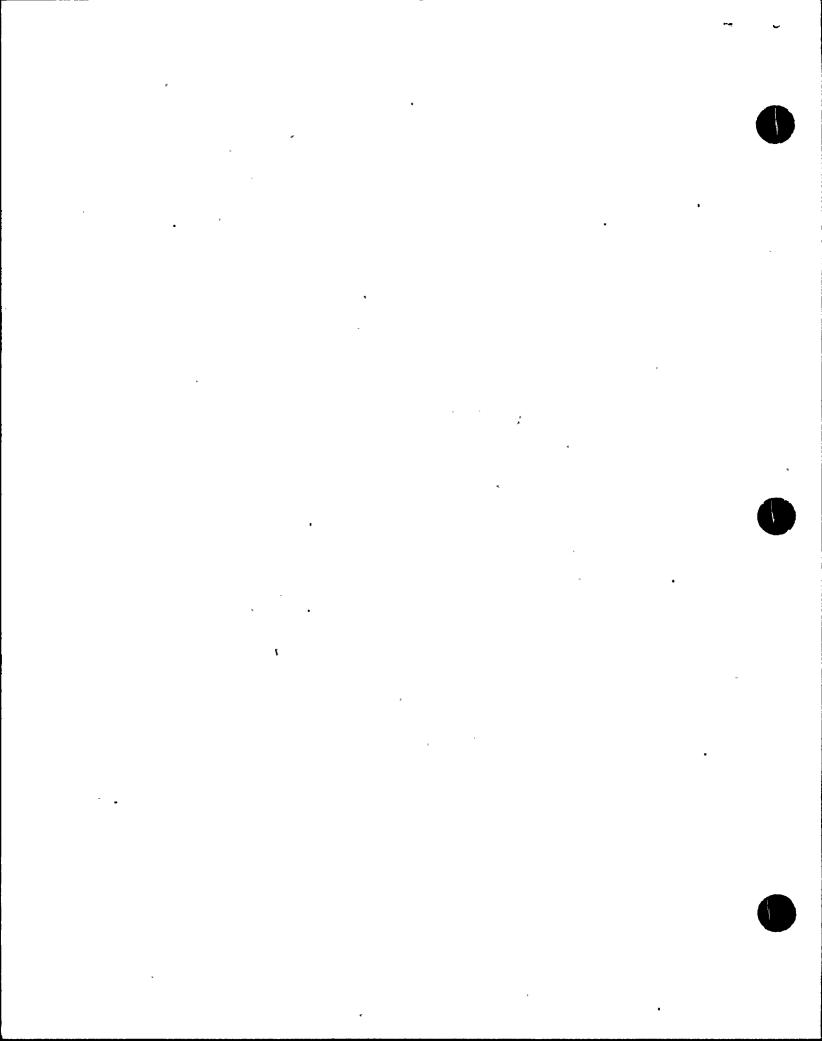
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ATTACHMENT A-2

TURKEY POINT UNIT NO. 3

RELIEF REQUEST BASIS



1) PUMPS:

Residual Heat Removal Pump No. 3A	(3-P210A)
Residual Heat Removal Pump No. 3B	(3-P210B)
Containment Spray Pump No. 3A	(3-P214A)
Containment Spray Pump No. 3B	(3-P214B)
High Head Safety Injection Pump No. A	(P215A)
High Head Safety Injection Pump No. B	(P215B)
High Head Safety Injection Pump No. C	(P215C)
High Head Safety Injection Pump No. D	(P215D)

Test Requirements: " IWP-4600 Flow Measurement

Basis for Relief:

Section XI, ASME Boiler & Pressure Vessel Code, requires measurement of flow rate using a rate or quantity meter installed in the pump test circuit. These pumps use a fixed hydraulic resistance system with an orfice installed in the pump recirculation line (IWP-1400).

Alternate Testing:

Measure differential pressure (IWP-4240) across the pump during the quarterly pump test. Measured differential pressure across the pump shall then be compared to the established reference value. This provides for an indirect measure of flow rate and verifies the operational readiness of the pump (IWP-1500).

2) PUMPS:

Intake C	coling	Water	Pump	No.	3 <u>A</u>	(3-P9A)
Intake C						(3-P9B)
Intake C						(3-P9C)

Test Requirement: IWP - 4310 (Bearing Temperature Measurement)

Basis for Relief: The pump bearings for these vertical centrifugal pumps are located inside

centrifugal pumps are located inside the pump housing which is submerged. The bearings are water lubricated with no provisions for temperature measurement.

Alternate Testing: Measurement of vibration amplitude and

the other required parameters during each pump

test will provide for the detection of changes in the mechanical characteristics

of the pump.

3) PUMPS:

Residual	Heat	Removal	Pump	No.	3.A	(3-P210A)
Residual	Heat	Removal	Pump	No.	3 B	(3-P210B)

Test Requirement: IWP - 4310 (Bearing Temperature Measurement)

Basis for Relief: The pump bearings for these vertical

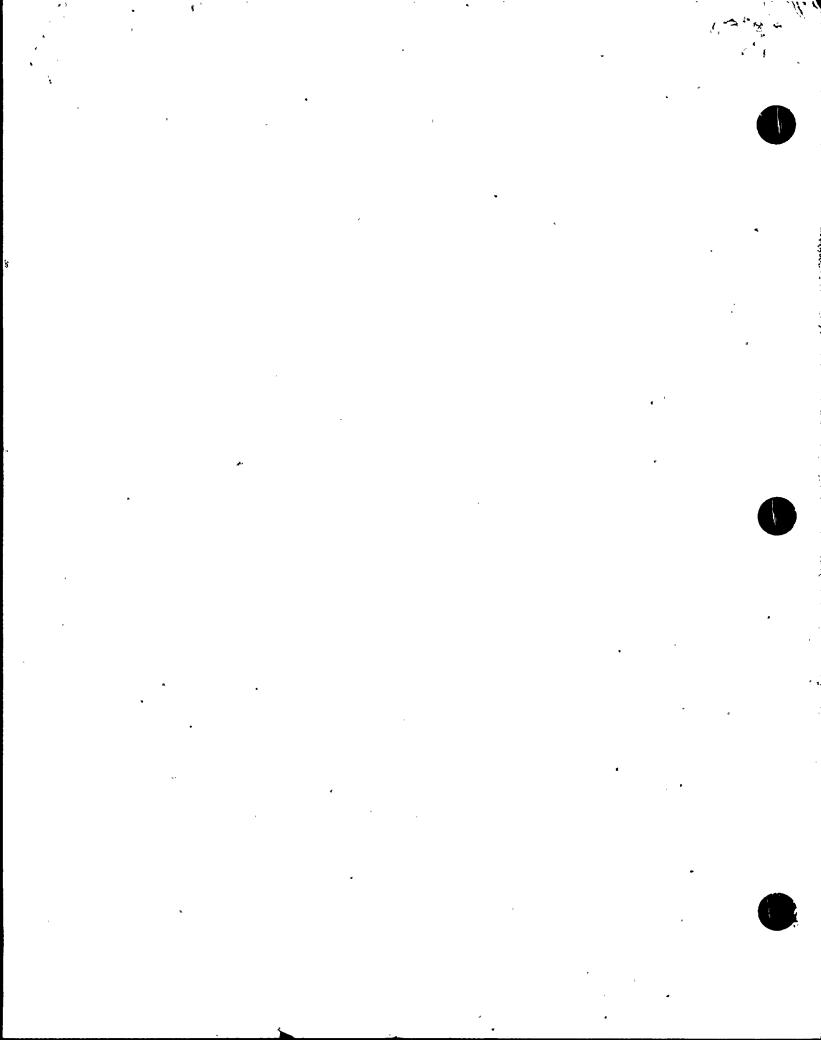
centrifugal pumps are located inside the housing of the electric motor. There are no provisons for measuring

bearing temperature.

Alternate Testing: Measurement of vibration amplitude and

the other required parameters during each pump test will provide for the detection of changes in the mechanical characteristics

of the pump.



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CY-3-2818	4	GLOBE	A/0	2		٨	·нс	FC	110	3	EF-7	4	C-11	
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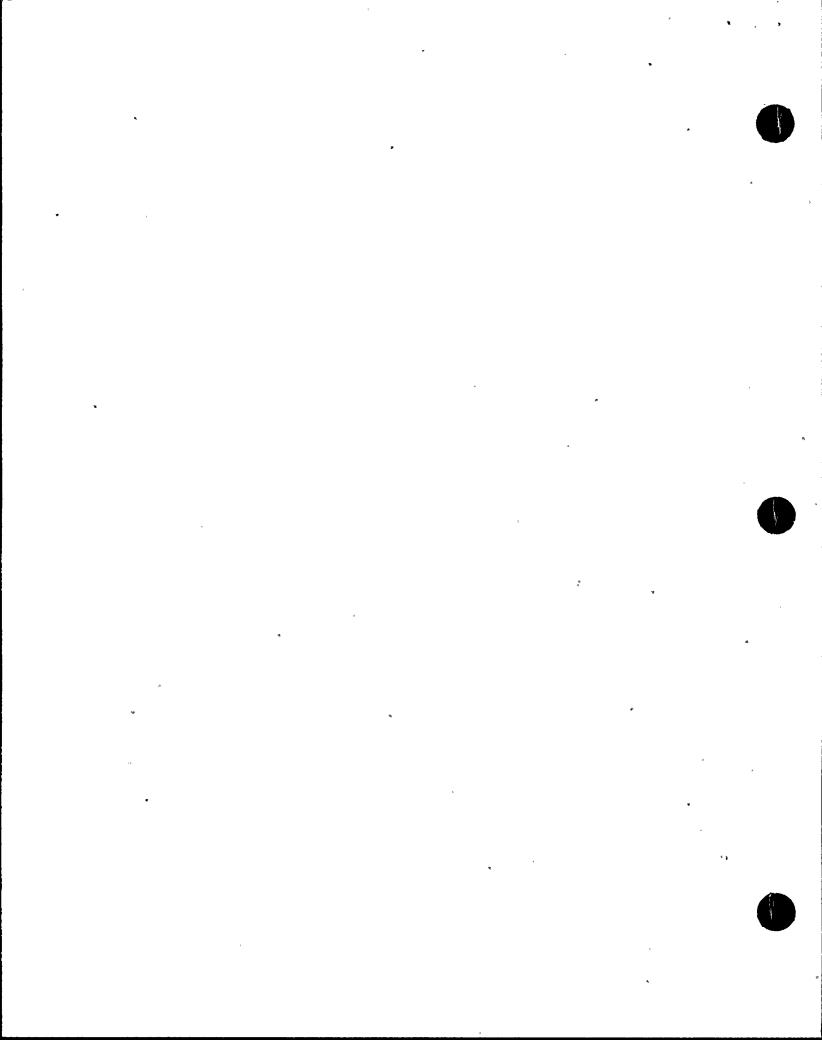
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CV-3-2803	2	GLOBE	A/0	2	۸	þ	LO	FO	110	1	0C-1 SLT-1	*	C-B		
3-40-336	2	СНЕСК	S/A	2	AC	λ.	NO		Ю	1	EF-3 SLT-1	4	C-8		
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VALVE TEST PROGRAM .

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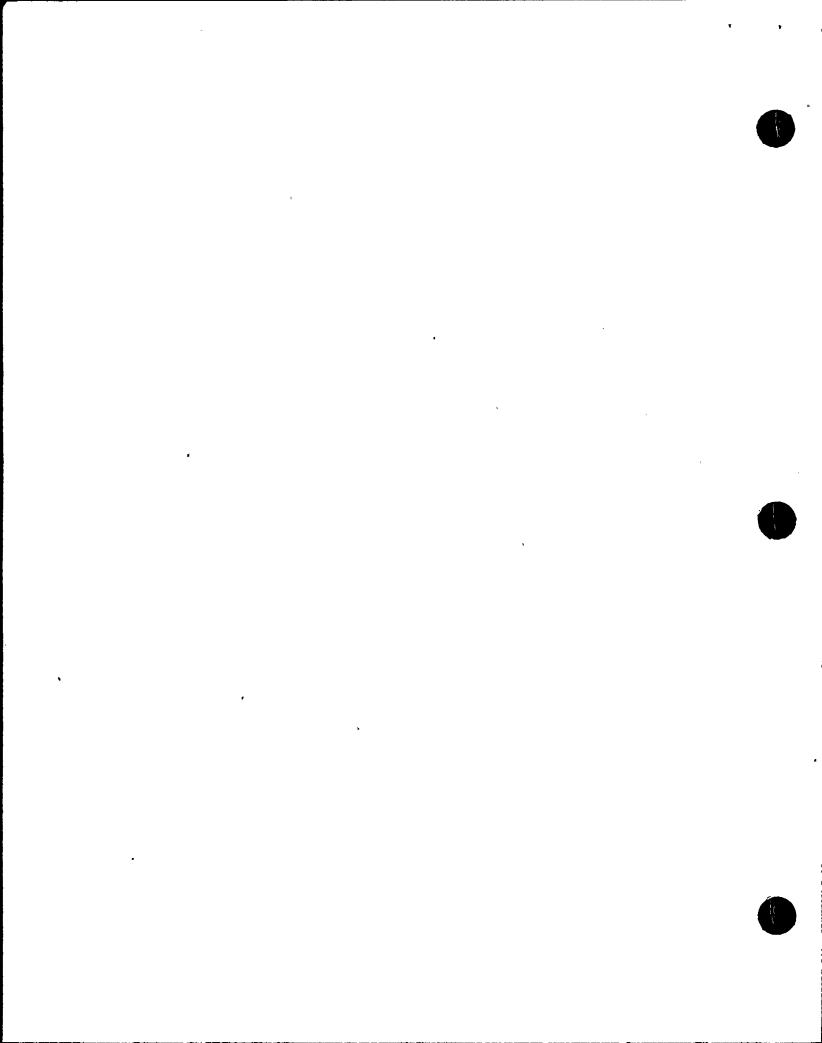
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" VALVE TEST PROGRAM

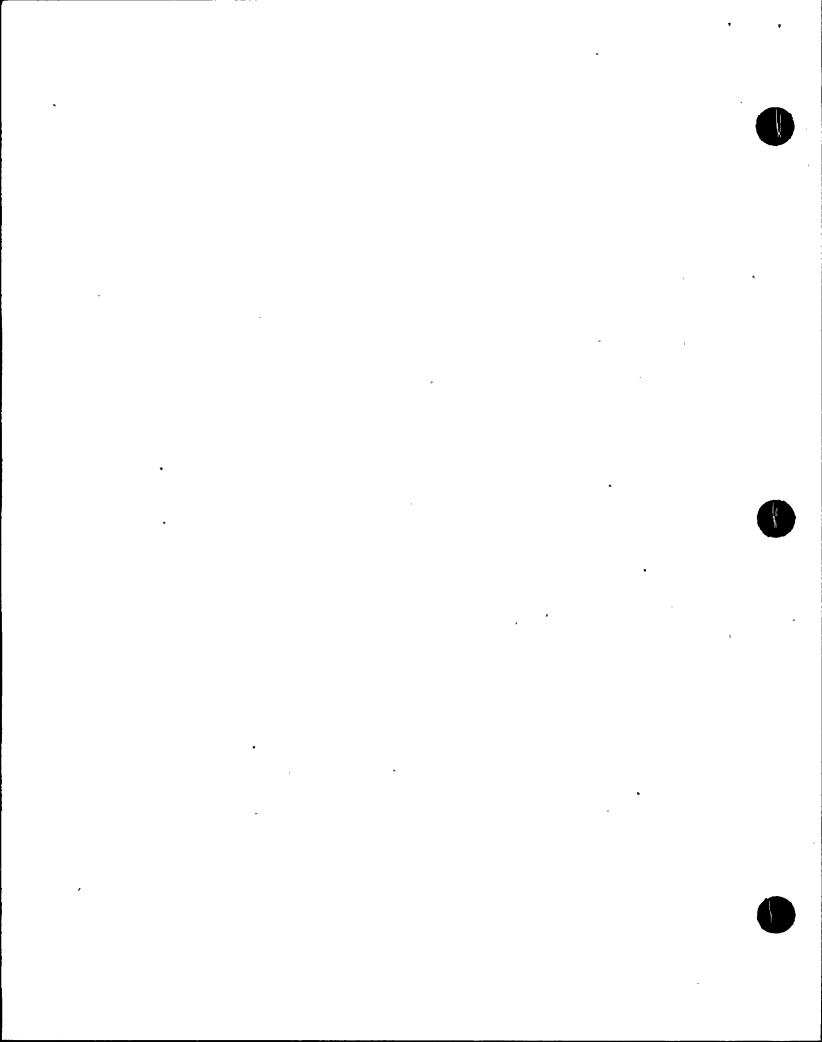


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PRIMARY MAKEUP AND CONT. COOL.

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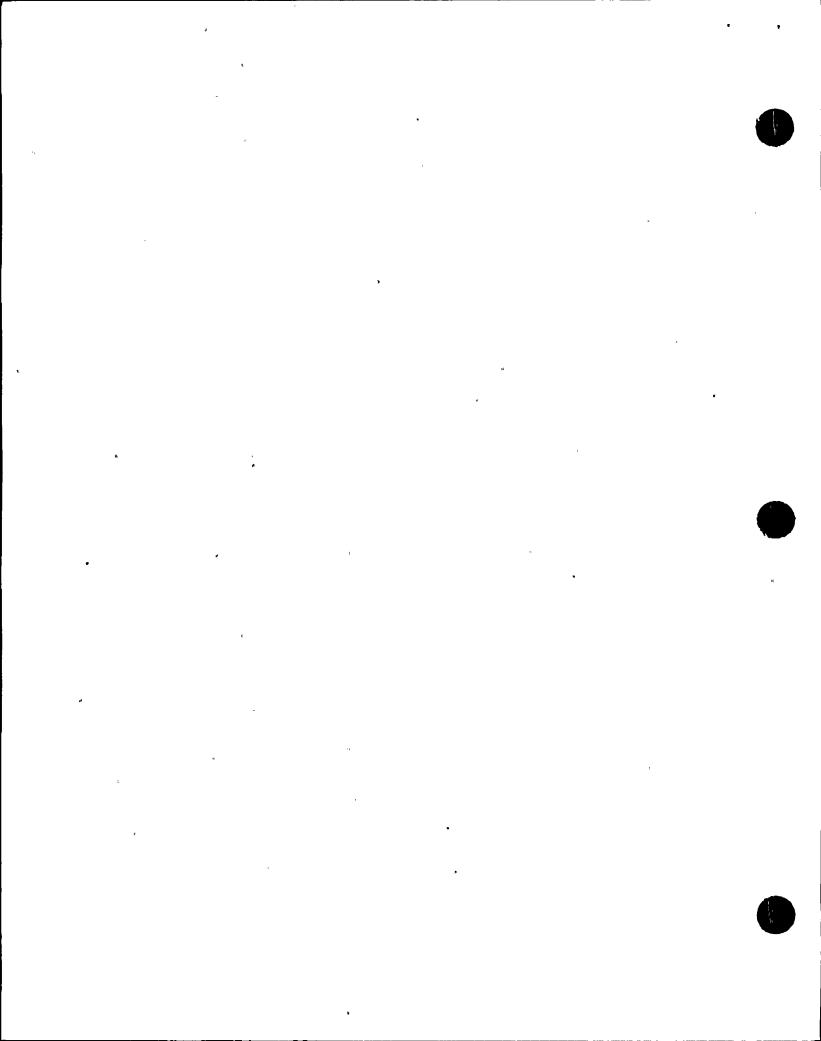
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1'07-3-2600	48	BUTFY	A/.O	2	٨	b	IIC	FC	YES	1	SLT-1		U-2	
POV-3-2601	48	IJUTFY	λ/0	2	٨	p ·	tic	FC -	YES	. 1 -	SI.T-1		l]-3	•
POV-3-2602		BUTFY.	A/O	2	Λ	b	NC	FC	YES	1	SI.T-1	-	D-2	•
1°0V-3-2603	51	CUTFY	A/O	2	Λ -	P	NC	FC .	YES	1	SLT-1		D-3	
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THANK F-502037 VALVE TEST PROGRAM



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РАНМ-3-002B	3/4	BALL	MAN	2	A	A	NC	FAI	ио	2	EF-2		F-10	
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AHM-3-001B	1	BALL	MAN	2	A	A	NC	FAI	ИО	2	EF-2	2	D-8	* *
PAHM-3-001A .	1	BALL	MAN	2	A	A	NC	FAI	МО	2	EF-2 SLT-1	2	D-8	Ť
3-11-003	2	CHECK	S/A .	2	Λ/C	. V	110		NO]]	EF-3 SLT-1	3	D-7	
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NUMBER			, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	CI.	CAT.		POS.	NODE	POS.	PER.	TESTS	18131	C(X)(4)	EDNIVE:
VALVE	SIZE	TYPE	ACTU.	COOR	CODE	አርሞ/	NORM.	FAIL-	REM.	TEST	131	1	l	

CONTAINMENT VENTIFATION SYSTEM

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