ATTACHMENT A

Technical Specification change pages

TABLE 4.1-2 (Sheet 1 of 3)

MINIMUM FREQUENCIES FOR EQUIPMENT AND SAMPLING TESTS

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

TABLE 4.1-2 (Sheet 3 of 3)

*** - N.A. during cold or refueling shutdowns, or at hot shutdown when all main steam isolation valves are shut. The specified tests, however, shall be performed within one surveillance period prior to starting the turbine.

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

4.2 REACTOR COOLANT SYSTEM IN-SERVICE INSPECTION

Applicability: Applies to pre-operational and in-service structural surveillance of the reactor coolant system boundary.

Objective: To assure the continued integrity of the reactor coolant system boundary.

Specification: 4.2.1

a. Prior to initial unit operation, a survey, using ultrasonic, visual, and surface techniques, shall be made to establish pre-operational system integrity and establish baseline data.

b. Post-operational nondestructive inspections listed in Table 4.2-1 shall be performed as specified. The results obtained from compliance with this specification shall be evaluated after five years and the conclusions of this evaluation shall be reviewed with the AEC.

c. The structural integrity of the reactor coolant system boundary shall be maintained at the level required by the original acceptance standards throughout the life of the unit. Any evidence as a result of the inspections listed in Table 4.2-1, that defects have initiated or grown shall be investigated, including evaluation of comparable areas of the reactor coolant system.

d. Detailed records of each inspection shall be maintained to allow comparison and evaluation of future inspections.

4.2.2 The inspection interval shall be 10 years.

4.2.3 The following definitions shall apply to the inspection methods employed in Table 4.2-1.

a. UT - Volumetric examination using ultrasonic techniques

b. RT - Radiographic examination. Ultrasonic testing is an acceptable alternate for RT.

c. MT - Examination of the component surface using magnetic particle method.

d. PT - Examination of the component surface using dye penetrant.

e. V - Visual examination directly by the eye or assisted by remote viewing devices equal to or better than direct observation.

f. Code - ASME Section XI 1970 and 1970 Winter Addenda.

4.2.4 Examinations which reveal unacceptable structural defects in a category shall be extended to include an additional number (or areas) of system components or piping in the same category approximately equal to that initially examined. In the event further unacceptable structural defects are revealed, all remaining system components or piping in the category shall be examined to the extent specified in that examination category.

TABLE 4.2-1 (Unit 3 only)

Item No.	Examination Category	Components and Parts To Be Examined	Method	Extent of Examination (Percent in 10 Year Interval)	Extent of Examination* (Percent in 5 Year Interval)	Remarks
		Reactor Vessel and Closure Head				
1.1	A	Longitudinal and circumferential shell welds in core region	Volumetric	Longitudinal - 10% Circumferential - 5%	Longitudinal - 0% Circumferential - 0%	In accordance with Section XI of the 1970 ASME Code
1.2	B	Longitudinal and circumferential welds in shell (other than those of Category A and C) and meridional and circumferential seam welds in bottom head and closure head (other than those of Category C)	Volumetric	Longitudinal - 10% Circumferential - 5%	Longitudinal - 0% Circumferential - 0%	In accordance with Section XI of the 1970 ASME Code
1.3	C	Vessel-to-flange and head-to-flange circumferential welds	Volumetric	100%	33%	
1.4	D	Nozzle-to-vessel welds and nozzle-to-vessel inside radiused section	Volumetric	100%	0%	In accordance with Section XI of the 1970 ASME Code
1.5	E-1	Vessel penetrations, including control rod drive penetrations and control rod housing pressure boundary welds	Volumetric	0%	0%	No meaningful volumetric examinations can be performed on these welds.
1.6	E-2	Vessel penetrations, including control rod drive penetrations and control rod housing pressure boundary welds	Visual	25%	0%	The examination will be a visual examination for leakage during the system hydrostatic test at or near the end of the ten-year inspection interval.**

* The results of these inspections are to be reviewed with the AEC at the end of 5 years.

** CRDM housing and bottom instrument nozzle areas will be observed for boric acid crystal deposits during the first

TABLE 4.2-1 (cont'd) (Unit 3 only)

Item No.	Examination Category	Components and Parts To Be Examined	Method	Extent of Examination (Percent in 10 Year Interval)	Extent of Examination (Percent in 5 Year Interval)	Remarks
1.7	F	Nozzles to safe-end welds	Volumetric	100%	33%	In accordance with Section XI of the 1970 ASME Code
1.8	G-1	Closure studs and nuts	Volumetric and Visual or Surface	100%	33%	
1.9	G-1	Ligaments between threaded stud holes	Volumetric	100%	33%	
1.10	G-1	Closure washers, bushings	Visual	100%	33%	
1.11	G-2	Pressure retaining bolting		Not applicable	Not applicable	Not applicable
1.12	H	Integrally welded vessel supports		See Remarks	See Remarks	This inspection is covered by Item 1.4
1.13	I-1	Closure head cladding	Visual and Surface	6 Patches	3 Patches	
1.14	I-1	Vessel cladding	Visual	6 Patches	0 Patches	
1.15	H	Interior surfaces and internals and integrally welded internal supports	Visual	See Remarks	See Remarks	Items made accessible by the removal of components during normal refueling operations will be examined at the first refueling outage and during subsequent refueling outages at approximately 3-year intervals.

TABLE 4.2-1 (cont'd) (Unit 3 only)

Item No.	Examination Category	Components and Parts To Be Examined	Method	Extent of Examination (Percent in 10 Year Interval)	Extent of Examination (Percent in 5 Year Interval)	Remarks
		Pressurizer				
2.1	B	Longitudinal and circumferential welds †		See Remarks	See Remarks	In accordance with Section XI of the 1970 ASME Code
2.2	D	Nozzle-to-vessel welds		See Remarks	See Remarks	Instrument and sample nozzles are included in Item 2.4
2.3	E-1	Heater connections		See Remarks	See Remarks	These connections are considered in Item 2.4
2.4	E-2	Heater connections and instrument and sample nozzles	Visual	See Remarks	See Remarks	Visual inspections for leakage will be performed on nozzles at each refueling.
2.5	G-1	Pressure retaining bolting		Not Applicable	Not Applicable	
2.6	G-2	Pressure retaining bolting	Visual	100%	33%	
2.7	H	Integrally welded vessel supports † (skirt weld)		See Remarks	See Remarks	Same as 2.1
2.8	I-Z	Vessel cladding	Visual	1 Patch	0 Patches	

† No known technique presently exists to examine these welds (Refer to Code Foreword page f).

TABLE 4.2-1 (cont'd) (Unit 3 only)

Item No.	Examination Category	Components and Parts To Be Examined	Method	Extent of Examination (Percent in 10 Year Interval)	Extent of Examination (Percent in 5 Year Interval)	Remarks
		Heat Exchangers (Class A) and Steam Generators				
3.1	B	Longitudinal and circumferential welds, including tube-sheet-to-head or shell welds on the primary side	Volumetric	5% See Remarks	0% See Remarks	The inspection is limited to the circumferential weld attaching the tube sheet to the channel head.
3.2	D	Nozzle-to-vessel head welds and nozzle-to-head inside radiused section		See Remarks	See Remarks	The primary nozzles are cast with the head. No inspections are planned.
3.3	F	Nozzle to safe-end welds	Visual, Surface and volumetric	25%	8%	
3.4	G-1	Pressure-retaining bolting		Not Applicable	Not Applicable	
3.5	G-2	Pressure-retaining bolting	Visual	100%	33%	
3.6	H	Integrally-welded vessel supports		Not Applicable	Not Applicable	
3.7	I-2	Vessel cladding	Visual	1 Patch	0 Patches	One (1) patch (36 square inches) in each primary side will be examined during the ten-year interval.

TABLE 4.2-1 (cont'd) (Unit 3 only)

Item No.	Examination Category	Components and Parts To Be Examined	Method	Extent of Examination (Percent in 10 Year Interval)	Extent of Examination (Percent in 5 year Interval)	Remarks
		Piping Pressure Boundary				
4.1	F	Vessel, pump and valve safe-ends to primary pipe welds and safe-ends in branch piping welds	Visual and Surface and Volumetric	100%	0%	This examination covers only the pressurizer safe-ends.
4.2	J	Circumferential and longitudinal pipe welds	Visual and Volumetric	25%	5%	1) Exception is taken to inaccessible welds 2) Exception is taken to electroslag welded elbows 3) Exception is taken for socket welds.
4.3	G-1	Pressure-retaining bolting		Not Applicable	Not Applicable	
4.4	G-2	Pressure-retaining bolting	Visual	100%	33%	
4.5	K-1	Integrally-welded supports		Not Applicable	Not Applicable	
4.6	K-2	Piping support and hanger	Visual	100%	33%	Exception is taken for those supports which are not accessible.
		Pump Pressure Boundary				
5.1	L-1	Pump casing welds		0%	0%	No meaningful ultrasonic examinations can be performed on these welds.

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TABLE 4.2-1 (cont'd) (Unit 3 only)

Item No.	Examination Category	Components and Parts To Be Examined	Method	Extent of Examination (Percent in 10 Year Interval)	Extent of Examination (Percent in 5 Year Interval)	Remarks
5.2	L-2	Pump casings	Visual	See Remarks	See Remarks	Examination will be made only when pump internals are removed for other reasons.
5.3	F	Nozzle-to-safe-end welds		Not Applicable	Not Applicable	
5.4	G-1	Pressure-retaining bolting	Visual and Volumetric	100%	33%	Bolting will be inspected only when pump is disassembled for other reasons.
5.5	G-2	Pressure-retaining bolting	Visual	See Remarks	See Remarks	Bolting will be inspected only when pump is disassembled for other reasons.
5.6	K-1	Integrally-welded supports	Visual and Surface	25%		Same as 5.1
5.7	K-2	Supports and hangers	Visual	100%	33%	
		Valve Pressure Boundary				
6.1	H-1	Valve-body welds		Not Applicable	Not Applicable	
6.2	H-2	Valve bodies	Visual	See Remarks	See Remarks	Exception taken for valves which are not accessible or which are not disassembled for maintenance purposes during the inspection interval.
6.3	F	Valve-to-safe-end welds		Not Applicable	Not Applicable	
6.4	G-1	Pressure-retaining bolting		Not Applicable	Not Applicable	

TABLE 4.2-1 (cont'd) (Unit 3 only)

Item No.	Examination Category	Components and Parts To Be Examined	Method	Extent of Examination (Percent in 10 Year Interval)	Extent of Examination (Percent in 5 Year Interval)	Remarks
6.5	G-2	Pressure-retaining bolt	Visual and Volumetric	100%	33%	Exception is taken for valves which are not accessible.
6.6	K-1	Integrally-welded supports		Not Applicable	Not Applicable	
6.7	K-2	Supports and Hangers	Visual	100%	33%	Exception is taken for supports and hangers which are not accessible.
7.1		Reactor coolant pump Flywheel	V & UT	100% for (2)	In place at bore, Keyway, and tapped holes for (1).	The flywheels shall be visually examined at the first refueling and at the end of each 10 year interval. The outside surface shall be examined by ultrasonic methods on the following schedule: (1) During second refueling - all 3, (2) At the seventh, eighth and ninth refueling - one different flywheel each refueling (3) Repeat (2) within 10 years.
7.2		Irradiation Specimen Schedule	Tensile and Charpy V Notch (Wedge Open Loading)	See Remarks	See Remarks	Capsule 1 shall be removed and examined at the first region replacement. Capsule 2 shall be removed and examined at the fourth region replacement. Capsule 3 shall be removed and examined after twenty years of operation. Capsule 4 shall be removed and examined after thirty years of operation. Capsule 5 shall be removed and examined after forty years of operation

4.2 INSERVICE INSPECTION AND TESTING

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

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

Implementation: Implementation of this specification will begin no later than September 1, 1977.

Specification:

1. Inservice inspection of ASME Code Class 1, Class 2, and Class 3 components (and their supports) shall be performed in accordance with the Turkey Point Unit 4 Inservice Inspection (ISI) Program. The ISI Program is developed and updated in accordance with Section XI of the ASME Boiler and Pressure Vessel Code and applicable Addenda as required by 10 CFR 50.55a(g), except where specific written relief has been granted by the NRC pursuant to 10 CFR 50.55a(g)(6)(i).

2. Inservice testing of ASME Code Class 1, Class 2, and Class 3 pumps and valves shall be performed in accordance with the Turkey Point Unit 4 Pump and Valve Test Programs. The Programs are developed and updated in accordance with Section XI of the ASME Boiler and Pressure Vessel Code and applicable Addenda as required by 10 CFR 50.55a(g), except where specific written relief has been granted by the NRC pursuant to 10 CFR 50.55a(g)(6)(i).

3. In cases where, during the process of inspection and testing, certain requirements are found to be impractical due to unforeseen circumstances, relief may be requested at that time and satisfaction of these requirements may be deferred pending NRC action upon that request.

4.5 SAFETY INJECTION

Applicability: Applies to testing of the Safety Injection System.

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

Specifications:

1. SYSTEM TESTS

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

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

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

2. COMPONENT TESTS

   a. Pumps (Unit 3 only) ϕ

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

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

b. Valves (Unit 3 only) ϕ

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

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

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

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

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

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

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

2. COMPONENT TESTS

(Unit 3 only) ϕ

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

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

Valves (Unit 3 only) ϕ

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

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

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

4.9 MAIN STEAM ISOLATION VALVES

Applicability: Applies to periodic testing of the main steam isolation valves. (Unit 3 only) ϕ

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

Specification: The main steam isolation valves shall be tested at each refueling shutdown. Closure time of five seconds or less shall be verified. The valves are tested under no flow and at no load conditions at temperature over 500F.

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

4.10 AUXILIARY FEEDWATER SYSTEM

Applicability: Applies to periodic testing requirements of the auxiliary feedwater system.† (Unit 3 only) ϕ

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

Specifications:

1. Each turbine-driven auxiliary feedwater pump shall be started at intervals not greater than one month; run for 15 minutes and a flow rate of 600 gpm established to the steam generators.

2. The auxiliary feedwater discharge valves shall be tested by operator action during pump tests.

3. Steam supply and turbine pressure valves shall be tested during pump tests.

4. These tests shall be considered satisfactory if control panel indication and visual observation of the equipment demonstrate that all components have operated properly.

†- N.A. during cold or refueling shutdowns (only for the Unit at cold or refueling shutdown). The specified tests, however, shall be performed within one surveillance interval prior to starting the turbine.

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

B4.2 BASES FOR REACTOR COOLANT SYSTEM IN-SERVICE INSPECTION

UNIT 3

The inspection program, where practical, is in compliance with Section XI of the ASME Code for In-service Inspection of Nuclear Reactor Coolant Systems dated January, 1970 and the Winter Addenda of 1970. Though examinations in certain areas are desirable, it should be recognized that equipment and techniques to perform the inspection are still in development. In all areas scheduled for volumetric examination, a detailed pre-service mapping will be conducted using techniques anticipated to be used for post-operation examinations. As more experience is gained in operation of pressurized-water reactors, the time schedule and location of inspection may be altered or, should new techniques be developed, consideration may be given to incorporate these new techniques into this inspective program.

The use of conventional nondestructive, direct visual and remote visual test techniques can be applied to the inspection of most reactor coolant loop components except the reactor vessel. The reactor vessel requires special consideration because of the radiation levels and the requirement for remote underwater accessibility.

The techniques anticipated for in-service inspection include visual inspections, ultrasonic, radiographic, magnetic particle and dye penetrant testing of selected parts during refueling periods.

As more experience is gained in operation of pressurized water reactors, the time schedule and location of examinations might alter.

The reactor coolant pressure boundary covered by this inspection will include the reactor coolant system and branch lines 1" or greater from the reactor coolant system to the second design isolation valve. Credit is taken in the design for check valves.

The examinations scheduled are listed in Table 4.2-1 and are discussed below:

REACTOR VESSEL AND CLOSURE HEAD

Item 1.1 (Category A) - Pressure Containing Welds in Reactor Vessel Belt-Line Region

These welds be volumetrically examined from the ID when required, using remote, mechanized techniques. At present there is no equipment available which will perform this examination. The examinations scheduled in Table 4.2-1 are predicated on the development of appropriate equipment. Since the examination of these welds requires removal of the core internals and thermal shield, the examinations are scheduled near the end of the 10-year inspection interval.

When the longitudinal and circumferential welds have received an exposure to neutron fluence in excess of 10^{19} nvt (E_n of 1 Mev or above), the length of weld in the high fluence region to be examined shall be increased to, at least, 50 percent.

Item 1.2 (Category B) - Longitudinal and Circumferential Welds in Shell (other than those of Category A and C) and Meridional and Circumferential Seam Welds in Bottom Head and Closure Head (other than those of Category C)

These welds be volumetrically examined from the I.D. using remote, mechanized techniques. As discussed in Item 1.1 above, these examinations are predicated on the development of appropriate equipment.

Item 1.3 (Category C) - Vessel-to-Flange and Head-to-Flange Circumferential Welds

The head flange weld can be examined using either mechanized or manual ultrasonic techniques. Mechanized techniques are preferred due to the repeatability of such techniques and the ability to record the data. This weld is available when the head is removed for refueling.

The vessel flange weld can be examined using either mechanized or manual ultrasonic techniques. Mechanized techniques are preferred due to the reduction of radiation exposure to personnel, the repeatability of such techniques, and the ability to record the data.

The examinations scheduled to be performed on these welds are shown in Table 4.2-1.

Item 1.4 (Category D) - Nozzle-to-Vessel Welds and Nozzle-to-Vessel Inside Radiused Section

The vessel nozzle welds are accessible only from the ID. It is believed that the inner radius of outlet nozzles can be examined without removing the core barrel. However, the core barrel must be removed to examine the inlet nozzles. For this reason, it is planned that the examination of the outlet nozzles be performed during the third and sixth year and the inspection of the inlet nozzles near the end of the ten (10) year inspection interval. At present, there is no equipment available to inspect these welds remotely. Thus, the examinations shown in Table 4.2-1 are predicated on the development of suitable equipment.

Item 1.5 (Category E-1) - Vessel Penetrations, including Control Rod Drive Penetrations and Control Rod Housing Pressure Boundary Welds

The penetrations in this category are the control rod drive penetra-

tions in the upper head and the instrument penetrations in the lower head. Because of the design of the vessel penetrations and the pressure boundary weld, no meaningful volumetric examinations can be performed. Visual examinations will be performed as discussed in Item 1.6 below.

Item 1.6 (Category E-2) - Vessel Penetrations, including Control Rod Drive Penetrations and Control Rod Housing Pressure Boundary Welds

The control rod drive penetrations (69) in the upper head and the instrument penetrations (50) in the upper and lower head are included in this category. The penetrations in the upper head can be visually inspected for leakage during the system hydrostatic test as defined by Specification 4.3.1 at or near the end of the ten-year interval. The penetrations in the lower head will also be examined for leakage during this test if radiation levels permit access without undue exposure to personnel.

Item 1.7 (Category F) - Nozzles to Safe-end-Welds

There are dissimilar metal welds between the carbon steel nozzle forgings and the reactor coolant piping. These welds will be ultrasonically tested during the inspection interval pending the development of suitable, remote ultrasonic equipment. Limited access to the OD of these welds is provided by removable plugs in the primary shield above the nozzles and removable insulation covering the nozzle welds. Exception is taken to performing a surface examination on these welds due to anticipated radiation levels and physical access.

Items 1.8; 1.9; 1.10 (Category G-1) - Closure Studs, Nuts, Washers, Bushings and Ligaments Between Threaded Stud Holes

The closure studs, nuts, washers, and ligaments between threaded stud holes will be inspected in accordance with Section XI of the ASME Code. The examinations scheduled for this inspection are shown in Table 4.2-1.,

Item 1.11 (Category G-2) - Closure Studs, Nuts, Washers, Bushings and Ligaments Between Threaded Stud Holes

There are no pressure retaining bolts less than 2 inches on the vessel.

Item 1.12 (Category H) - Integrally Welded Vessel Supports

There are vessel support pads welded to each of the three inlet nozzles on the vessel. In accordance with Category H of Table IS-251 of the Code, the area to be examined should be the weld connection between the nozzle and the vessel shell. This examination is covered by Item 1.4 above.

Item 1.13 and 1.14 (Category I-1) - Vessel Cladding

Portions of the cladding in the closure head and reactor vessel are accessible for visual and surface examinations. The examinations scheduled to be performed are shown in Table 4.2-1.

Item 1.15 (Category N) - Interior Surfaces and Internals and Integrally Welded Internal Supports

The internal surfaces and internal components of the reactor vessel will be inspected in accordance with Section XI of the Code.

PRESSURIZER

Item 2.1 (Category B) - Longitudinal and Circumferential Welds

Longitudinal and circumferential welds on the pressurizer cannot be volumetrically examined from the OD. The baseline inspection is the shop inspection and methods for future inspection are under study.

Item 2.2 (Category D and E-2) - Nozzle-to-Vessel Welds

The nozzles on the pressurizer are cast with the upper and lower head, thus there are no Category D connections. The eight

instrument nozzles and one sample nozzle are rolled and seal welded and thus are Category E-2 connections. The four instrument nozzles and the sample nozzle in the lower head are located below the heater support plate and thus are inaccessible. These penetrations will be visually inspected for leakage as discussed in Item 2.4 below.

Item 2.3 (Category E-1) - Heater Connections

There are no Category E-1 heater connections.

Item 2.4 (A) (Category E-2) - Heater Well To Head

The external connections are accessible for a visual examination and will be inspected as discussed in Item 2.4 below.

Item 2.4 (B) (Category E-2) - Heater Connections

The pressurizer heater external connections are accessible for visual examination. These connections will be visually examined for leakage as defined by Specification 4.3.1. The instrument and sample nozzles of the pressurizer are included in this inspection.

Item 2.5 (Category G-1) - Pressure Retaining Bolting

The pressure retaining bolting on the pressurizer manway is less than 2 inches in diameter. Thus, this examination is not applicable to the pressurizer.

Item 2.6 (Category G-2) - Pressure Retaining Bolting

The pressurizer manway bolting will be inspected in accordance with Section XI of the ASME Code as shown in Table 4.2-1.

Item 2.7 (Category H) - Integrally Welded Vessel Supports

The skirt weld is in the same category as Item 2.1.

Item 2.8 (Category I-2) - Vessel Cladding

During the 10-year inspection interval, there will be a visual examination of one patch (36 square inches) of the vessel cladding.

STEAM GENERATOR

Item 3.1 (Category B) - Longitudinal and Circumferential Welds, Including Tubesheet-to-Head or Shell Welds on the Primary Side

The head for the steam generators is a one-piece casting. Thus, the only weld covered by this category is the tubesheet-to-channel head weld. It is believed that this weld can be examined from the OD of the steam generator by ultrasonic techniques. The examinations scheduled for this weld are shown in Table 4.2-1.

Item 3.2 (Category D) - Nozzle-to-Vessel Head Welds and Nozzle-to-Head Inside Radiused Section

The nozzles are cast with the head; therefore, no inspections are planned for this item.

Item 3.3 (Category F) - Nozzle to Safe-end Welds

The steam generator safe-ends are a buttered end preparation of the cast nozzle and are located between the nozzle and a cast elbow. Visual, volumetric and ultrasonic examination of these welds will be performed.

Item 3.4 (Category G-1) - Pressure-Retaining Bolting

There is no pressure-retaining bolting greater than two inches in diameter on the steam generator. Thus, this item does not apply to the steam generators.

Item 3.5 (Category G-2) - Pressure-Retaining Bolting

The pressure retaining bolting on the steam generator reactor coolant manway will be inspected in accordance with Section XI of the ASME Code as shown in Table 4.2-1.

Item 3.6 (Category H) - Integrally-Welded Vessel Supports

The steam generator supports are not integrally welded to the steam generator. Thus, this item does not apply to the steam generators.

Item 3.7 (Category 1-2) - Vessel Cladding

The interior of the reactor coolant side of the steam generator is accessible through a manway in each side of the head. One patch of cladding (36 square inches) in each side of the head will be visually examined during the inspection interval. The examinations scheduled are listed in Table 4.2-1.

PIPING PRESSURE BOUNDARY

Item 4.1 (Category F) - Vessel, Pump and Valve Safe-ends to Pipe Welds and Safe-ends in Branch Piping Welds

There are no pump or valve safe-ends in the reactor coolant system boundary. The examinations scheduled to be performed on pressurizer safe-end welds are shown in Table 4.2-1.

Item 4.2 (Category J and J-1) Circumferential and Longitudinal Pipe Welds

Due to the design of the piping systems, there are areas where access to piping welds will be impossible due to high radiation levels and/or physical access problems and exception is taken to performing inspections in these areas. Exception is taken to volumetric inspection of electroslag welded elbows as no known techniques are available.

Socket welds within the primary boundary on piping 4" and smaller will be surface inspected where accessable. The remaining welds in the primary system will be examined in such a manner as to cumulatively cover 25% of the welds during the inspection interval. The examinations scheduled are given in Table 4.2-1.

Item 4.3 (Category G-1) - Pressure-Retaining Bolting

The only pressure-retaining bolting in the piping boundary is at the pressurizer relief valve connection to the relief line. This bolting is less than two (2) inches in diameter and thus is covered by Item 4.4 below.

Item 4.4 (Category G-2) - Pressure-Retaining Bolting

The bolting connections joining the pressurizer relief valves to the relief line will be examined in accordance with Section XI of the ASME Code as shown in Table 4.2-1.

Item 4.5 (Category K-1) - Integrally-Welded Supports

There are no integrally welded supports in the piping systems subject to inspection.

Item 4.6 (Category K-2) - Piping Support and Hangers

The accessible piping supports and hangers of the piping systems subject to this inspection will be examined in accordance with the Code. The examinations scheduled are shown in Table 4.2-1.

PUMP PRESSURE BOUNDARY

The only pumps subject to inspection are the reactor coolant pumps. The following items apply to these pumps.

Item 5.1 (Category L-1) - Pump Casing Welds

The reactor coolant pump casing is a weldment of four cast rings. At this time, there are no proven means of volumetrically inspecting the pump casing welds in service; therefore, no inspections are planned.

Item 5.2 (Category L-2) - Pump Casings

The internal pressure boundary surfaces of the reactor coolant pumps are not accessible during normal or refueling outages. If removal of the pump internals is required during the inspection interval, there will be a visual examination of the accessible pressure boundary surfaces.

Item 5.3 (Category F) - Nozzle-to-Safe-ends Welds

There are no nozzle-to-safe-end welds on the reactor coolant pumps.

Item 5.4 (Category G-1) - Pressure-Retaining Bolting

The reactor coolant pump main flange studs are greater than two (2) inches in diameter. These studs will be examined in accordance with the Code. The examinations scheduled are shown in Table 4.2-1.

Item 5.5 (Category G-2) - Pressure-Retaining Bolting

There is pressure retaining bolting less than two (2) inches in diameter, associated with the reactor coolant pump seals. Since this bolting is not normally accessible, examination of this bolting will be performed only when the pump is disassembled for maintenance purposes.

Item 5.6 (Category K-1) - Integrally-Welded Supports

The reactor coolant pump supports consist of a statically cast austenitic stainless steel foot of coarse grain structure welded to the cast casing. Visual and surface inspection will be performed.

Item 5.7 (Category K-2) - Supports and Hangers

The reactor coolant pump supports will be visually examined during the inspection interval in accordance with Section XI of the Code. The examinations scheduled are shown in Table 4.2-1.

VALVE PRESSURE BOUNDARY

The inspections in this category are limited to accessible valves three (3) inches or greater in the system boundary.

Item 6.1 (Category M-1) - Valve-Body Welds

All of the valves subject to this inspection are cast valves, thus this is not applicable.

Item 6.2 (Category M-2) - Valve Bodies

The internal surface of one disassembled valve, with or without welds, 3 inches and over in size in each category and type shall be subject to an examination over the inspection interval at such a time as the valve is disassembled for normal maintenance.

Item 6.3 (Category F) - Valve-to-Safe End Welds

There are no valve-to-safe end welds in the piping boundary subject to this examination.

Item 6.4 (Category G-1) - Pressure-Retaining Bolting

There is no pressure retaining bolting greater than two (2) inches in the valves subject to this examination.

Item 6.5 (Category G-2) - Pressure-Retaining Bolting

The bolting subject to this examination will be the bonnet bolting in valves three (3) inches in size or greater. This bolting will be inspected in accordance with Section XI of the Code as shown in Table 4.2-1.

Item 6.6 (Category K-1) - Integrally-Welded Supports

There are no integrally-welded supports on the valves subject to this examination.

Item 6.7 (Category K-2) - Supports and Hangers

The supports and hangers of the valves subject to this examination will be visually examined in accordance with Section XI of the Code as shown in Table 4.2-1.

MISCELLANEOUS INSPECTIONS

Item 7.1 Reactor Coolant Pump Flywheels

The flywheels shall be visually examined at the first refueling. At the fourth refueling the outside surfaces shall be examined by ultrasonic methods. These examinations scheduled are shown in Table 4.2-1.

Item 7.2 - Materials Irradiation Surveillance Specimens

The reactor vessel surveillance program includes eight specimen capsules to evaluate radiation damage based on pre-irradiation and post-irradiation testing of specimens. The specimens are located about 3" from the vessel wall at the axial midplane.

Capsule No. 1 is scheduled to be removed at the first region replacement. The exposure of this capsule leads the vessel maximum exposure

by a factor of 2.1. Thus, this capsule provides information for approximately a four-year exposure to the vessel.

Capsule No. 2 is scheduled to be removed at the fourth region replacement. This capsule leads the vessel maximum exposure by a factor of 0.8 and thus will provide data for a four-year exposure to the vessel. This sample also contains weld metal which is not present in Capsule No. 1.

Capsule No. 3 leads the vessel maximum exposure by a factor of 2.2 and is scheduled to be removed after twenty years. Thus, sample No. 3 will provide data for an exposure to the vessel of approximately forty years.

Capsules No. 4 and 5 lead the maximum vessel exposure by factors of 0.7 and 0.5, respectively. Thus, Capsule No. 4, which is scheduled to be removed after thirty years, provides data for a vessel exposure of twenty-one years and Capsule No. 5, which is scheduled to be removed at forty years, provides data for a vessel exposure of twenty years.

In addition to the capsules discussed above, there are three spares.

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

ATTACHMENT B

Turkey Point Unit 4

(1) Valve Test Program

(2) Pump Test Program

(3) Inservice Inspection Program

ABSTRACT

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

Section I. Valve Test Program Outline

The valve test program shall be conducted in accordance with Subsection IWV of Section XI of the 1974 Edition of the ASME Boiler and Pressure Vessel Code thru Summer 1975 Addenda, except for specific relief requested in accordance with 10 CFR 50.55a(g)(5)(iii) which is identified in Sub-sections I.G. The period for this valve test program starts January 7, 1977 and ends September 7, 1978.

Section II. Pump Test Program Outline

The pump test program shall be conducted in accordance with Subsection IWP of Section XI of the 1974 Edition of the ASME Boiler and Pressure Vessel Code thru Summer 1975 Addenda. The period for the pump test program starts January 7, 1977 and ends September 7, 1978.

Section III. Inservice Inspection Program Outline

The inservice inspection program shall be conducted in accordance

Section III. (Continued)

with Subsection IWB, IWC and IWD of Section XI of the 1974 Edition of the ASME Boiler and Pressure Vessel Code thru Summer 1975 Addenda, except for specific relief requested in accordance with 10 CFR 50.55a(g)(5)(iii) which is identified in the appropriate code class of the ISI Table under Remarks in Subsection III. The period for the inservice inspection (ISI) program starts January 7, 1977 and ends May 7, 1980.

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I.A. LIST OF DRAWINGS

FPL NO. F-503184, REV. 7	CHEMICAL & VOLUME CONTROL SYSTEM
FPL NO. E-503185, REV. 7	SAFETY INJECTION SYSTEM
FPL NO. F-503187, REV. 7	AUXILIARY COOLANT SYSTEM COMPONENT COOLING
FPL NO. E-503188, REV. 7	AUXILIARY COOLANT SYSTEM COMPONENT COOLING
FPL NO. F-503189, REV. 8	WASTE DISPOSAL SYSTEM
FPL NO. F-503190, REV. 6	WASTE DISPOSAL SYSTEM
FPL NO. F-503191, REV. 6	REACTOR COOLANT SYSTEM
FPL NO. F-503193, REV. 7	SAMPLING SYSTEM
FPL NO. F-503194, REV. 6	AUXILIARY COOLANT SYSTEM RESIDUAL HEAT REMOVAL
FPL NO. F-503195, REV. 4	AUXILIARY COOLANT SYSTEM SPENT FUEL PIT COOLING SYSTEM
FPL NO. F-502027, REV. 14	STEAM SYSTEM
FPL NO. F-502028, REV. 15	CONDENSATE AND FEEDWATER SYSTEMS
FPL NO. F-502030, REV. 14	LUBE OIL SERVICE AND INSTRUMENT AIR
FPL NO. F-502031, REV. 14	CIRCULATING WATER SALT WATER AND CHLORINATION SYSTEMS
FPL NO. F-502033, REV. 8	DIESEL OIL
FPL NO. F-502036, REV. 14	PRIMARY MAKE-UP CONTAINMENT COOLING WATER AND CHEMICAL INJECTION SYSTEMS
FPL NO. F-502037, REV. 10	CONTAINMENT VENTILATION SYSTEM
FPL NO. F-502038, REV. 10	CONTAINMENT AND RADWASTE DRAINS AND VENTS

I.B. LIST OF VALVE CATEGORIES

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

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

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

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

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

FOOTNOTE:

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

I.C. LIST OF DEFINITIONS:

1) Essential valves, Class 1, 2 and 3, as applicable, in systems that are relied upon to safely shut down the reactor, or mitigate the consequences of an accident.

2) Non-essential valves, Class 1, 2 and 3, as applicable, in systems that are relied upon to safely shut down the reactor, or mitigate the consequences of an accident.

3) Valve is protected by double valve (or more) isolation.

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

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

6) Test procedures for valves in various categories, as specified below:

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

7) EXERCISING - Exercising is the demonstration based on direct or indirect visual or other positive indication that the moving parts of a valve function satisfactorily.

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

8) Cold shutdown is defined as a shutdown period scheduled for a minimum of 168 hours for all of which time the reactor will be subcritical by at lease 1% $\Delta K/K$ and T avg below 200°F.

I.D. LIST OF VALVE TABLE SYMBOLS

VALVE NUMBER:	IDENTIFICATION
SIZE:	INCHES
TYPE:	GATE - CLOBE - CHECK - ANGLE - 3-WAY - PLUG
	SAFE REL - SAFETY AND RELIEF
	NOZL - NOZZLE
	NEDL - NEEDLE
	BUTFY - BUTTERFLY
	DIAPH - DIAPHRAGM
ACTUATOR:	AO - AIR OPERATOR
	MO - ELECTRIC MOTOR OPERATOR
	SO - SOLENOID OPERATOR
	SA OR SELF - SELF ACTUATOR
CODE CLASS:	1-2-3
CODE CATEGORY:	A - B - C - E (OR COMBINATION OF)
ACTIVE/PASSIVE:	A - P
NORMAL POSITION:	NO - NORMALLY OPEN
	NC - NORMALLY CLOSED
	LO - LOCKED OPEN
	LC - LOCKED CLOSED
FAILURE MODE:	FO - FAIL OPEN
	FC - FAIL CLOSED
	FAI - FAIL AS IS
REMOTE POSITION INDICATION:	YES - NO
TEST PERIOD:	1. REFUELING SHUTDOWN -
	2. COLD SHUTDOWN - (SEE DEFINITION 8 SECTION I.C.)
	3. OPERATION - 3 MONTHS OR LESS (CODE).
	4. TWO YEARS - CODE
INSERVICE INSPECTION: (ISI) TESTS	SEE APPROPRIATE LIST OF CATEGORY LEGEND
REMARKS:	SEE SECTION I.G. LEGEND FOR TABLE II

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

- CATEGORY A-B VALVES -

EF-1	Exercise valve (full stroke) for operability every 3 months (Code).
EF-2	Exercise valve (full stroke) for operability during cold shutdown (Code).
EF-3	Exercise valve (full stroke) for operability during operation (Code).
EF-4	Exercise valve (full stroke) for operability prior to return to service (Code).
EF-5	Exercise valve (with Remote Position Indicator and inaccessible for direct observation) for verification of valve position during refueling but less than every 2 years (Code).
EF-6	Valves that are exercised to plant procedure (FPL).
EF-7	Exercise valve (with Fail-Safe Actuators) to observe failure mode every 3 months (Code).
EF-8	Exercise valve (with Fail-Safe Actuators) to observe failure mode during cold shutdown (Code).
EST-1	Exercise valve - power operated (full stroke) and measure time (Code) (5 seconds - Max.) (FPL).
EST-2	Exercise valve - power operated (full stroke) and measure time (Code) (10 seconds - Max.) (FPL).
EST-3	Exercise valve - power operated (full stroke) and measure time (Code) (60 seconds - Max.) (FPL).
EST-4	Exercise valve - power operated (full stroke) and measure time (Code) (120 seconds - Max.) (FPL).
EST-5	Exercise valve - power operated (full stroke) and measure time (Code) (180 seconds 0 Max.) (FPL).
SLT-1	Seat leakage test valve during refueling but less than every 2 years (Code).
SLT-3	Seat leakage test valve to plant procedure (FPL).

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

- CATEGORY "C" VALVES -

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

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

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

NOTE:

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

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

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

- CATEGORY "E" VALVES -

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

NOTE:

1) ISI Test - Column: Unique code letters denote test requirement.

2) Test Period - Column: Denotes test frequency (Ref. I.D.) Test Period.

3) Test Period - Column: Where test frequency is denoted as 1 or 2, tests may be performed during either period dependent upon plant conditions.

4) If a valve is tested during cold shut down and is determined to be inoperable, the valve shall be made operable prior to Reactor Criticality or power operation, or power operation with the valve inoperable shall be determined by the Plant Nuclear Safety Committee to not involve an unreviewed safety question.

I.F. LIST OF CATEGORY A: TABLE I.A. - SEAT LEAKAGE TEST PARAMETERS TO FPL REQUIREMENTS.

SEAT LEAKAGE RATES BASED ON AIR TESTS

50 PSI ΔP at Pa

WHERE:

Pa = ACCIDENT PRESSURE

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

E-1 The exercising of valves whose failure in a non-conservative position during the cycling test would cause a loss of system function.

E-2 The exercising of valves whose failure to close during a cycling test would result in a loss of containment integrity.

E-3 The exercising of valves which could subject a system to pressures in excess of their design pressures.

E-4 Valves which cannot be seat leak tested due to their design and their physical location, arrangement, alignment, and orientation in the system.

E-5 Valves which cannot be exercised (verification of full stroke) due to their design and their physical location, arrangement, alignment, and orientation in the system.

E-6 Valves in systems which cannot be tested (exercised) within the required test period.

E-7 Valves in systems which cannot be tested (seat-leakage) within the required test period.

E-10 Valves whose access may be restricted due to a high radiation area coupled with its physical location and arrangement in the system. No tests shall be conducted on valves where the radiation level is 1000 MR/HR or greater.

E-11 Valves (pressure regulating) used for operating convenience for system control.

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

NOTE:

1) ISI Test/Test Period - Column:
Dash(s) in column denotes exception(s).

2) Test Period - Column:
Where test frequency is denoted as 1 or 2, tests may be performed during either period dependent upon plant conditions.

3) Remarks - Column:

a) The absence of unique code letter(s) adjacent to the ISI Tests column in column X denotes test(s) to be conducted to code.

b) Column X - Denotes exception(s) taken to tests.

c) Column Y - Denotes reason and/or justification for exception(s) taken.

d) Column Z - Denotes tests to be conducted, where practical and determined to be essential to fulfill a safety-related function, in lieu of exception(s) taken.

GENERAL NOTE:

1) All valves in Table II are either

a) Tested partially

b) Taken exception to partially or totally.

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

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

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

II. PUMP TEST PROGRAM

II.A. Table IV - Test Parameters

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

II.B. Exceptions

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

III. INSERVICE INSPECTION PROGRAM

III.A. Introduction to the Tables

The following pages list the components and systems that are required to be examined during the lifetime of the plant and give the allocations for the nondestructive examinations to be performed during this particular 40-month period. There are three tables organized to follow, as closely as practicable, the format of Section XI Code, Tables IWB-2600 and IWC-2600.

Table I lists the required examination areas of Class 1 components (and their supports) and systems; Table II lists the required examination areas of Class 2 components (and their supports) and systems; and Table III lists the required examination areas of Class 1, Class 2, and Class 3 components during pressure tests. The tables list the examination areas and the allocation of examinations in each of the three outages of the plant anticipated during this period. They are separated into sections according to major systems or components and further subdivided to list the actual component, area, or weld to be examined.

The Appendices and figure numbers noted at the top of the table pages are those of the 10-year plan.

III.B. 40-Month Period

The column titled "Inspection Interval" is subdivided into 3-1/3 year periods which correspond to the inspection program as defined in Paragraph IWA-2400 of Section XI. The 10-Year Inspection Interval is also subdivided into nine "outages." Within each outage of the 3-1/3- to 6-2/3-years, an X is placed adjacent to those components or welds to be examined during that outage. Although some categories are not required to be examined during this 40-month period, all components or welds are listed to ensure a complete accounting of all systems. Although the 3-1/3- to 6-2/3-years interval starts with outage No. 4, in reality, this is the 3rd outage of the plant.

III. Introduction to the Tables (Continued)

III.C. Exceptions

The "Remarks" column is used to provide pertinent information about the examination area (such as limitations, explanations, and percent of the weld to be examined), etc.

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

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
4-297C	1	NEDL	MAN	2	A	A	NO	FAI	NO	2 1	EF-2 SLT-1	
CV-4-303A	2	PLUG	A/O	1	B	A	NO	FO	YES	2 2 2	EF-2 EF-8 EST-3	
CV-4-303B	2	PLUG	A/O	1	B	A	NO	FO	YES	2 2 2	EF-2 EF-8 EST-3	
MOV-4-350	2	GATE	MO	2	B	A	NC	FAI	YES	2 2	EF-2 EST-3	
4-358	4	BUTFY	MAN	2	B	A	NC	FAI	NO	2	EF-2	
HCV-4-121	3	PLUG	A/O	2	A	A	NO	FO	NO	2 2 1	EF-2 EF-8 SLT-1	
4-333	3	GLOBE	MAN	2	A	P	NC	FAI	NO	1	SLT-1	

SYSTEM TITLE CHEM. VOL. CONT. (CVCS)

CHART TITLE F-503184

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE I
TESTS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
CV-4-389	3/4	3-WAY	A/O	2	B	A	NO	*FAIL TO VCT	YES	2 2 2	EF-2 EF-8 EST-3	*Normal Failure Mode is to Volume Control Tank (VCT).
MOV-4-381	3	GATE	MO	2	A	A	NO	FAI	YES	2 2 1	EF-2 EST-3 SLT-1	
FCV-4-113A	1	PLUG	A/O	3	B	A	NC	FO	NO	3 3	EF-1 EF-7	
CV-4-311	3	PLUG	A/O	1	B	A	NC	FC	YES	2 2 2	EF-2 EF-8 EST-3	
4-297A	1	NEDL	MAN	2	A	A	NO	FAI	NO	2 1	EF-2 SLT-1	
4-297B	1	NEDL	MAN	2	A	A	NO	FAI	NO	2 1	EF-2 SLT-1	

SYSTEM TITLE CHEM. VOL. CONT. (CVCS)

CHART TITLE F-503184

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE I
TESTS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
CV-4-310A	3	PLUG	A/O	1	B	A	NO	FO	YES	2 2 2	EF-2 EF-8 EST-3	
CV-4-310B	3	PLUG	A/O	1	B	A	NC	FO	YES	2 2 2	EF-2 EF-8 EST-3	
4-215C	3	DIAPH	MAN	3	B	A	NO	FAI	NO	3	EF-1	
CV-4-244	3	3-WAY	A/O	3	B	A	NO	*FAIL TO VCT	YES	3 3 3	EF-1 EF-7 EST-3	*Normal Failure Mode is to Volume Control Tank (VCT).
HCV-4-142	2	PLUG	A/O	2	B	A	NC	FC	NO	2 2	EF-2 EF-8	
LCV-4-115A	3	3-WAY	A/O	2	B	A	NO	*FAIL TO VCT	YES	3 3	EF-1 EF-7	*Normal Failure Mode is to Volume Control Tank (VCT).
LCV-4-115C	4	GATE	MO	2	B	A	NO	FAI	YES	2 2	EF-2 EST-3	

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

CHART TITLE: F-503184

PROGRAM TITLE: VALVE TEST PROGRAM

APR 5 1978

TABLE I
TESTS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
PCV-4-145	2	PLUG	A/O	3	B	A	NO	FO	NO	2 2	EF-2 EF-8	
SV-4-258	3/4	PLUG	SO	2	B	A	NC	FC	YES	2 2 2	EF-2 EF-8 EST-2	
HCV-104	2	PLUG	A/O	3	B	A	NC	FC	NO	3 3	EF-1 EF-7	
HCV-105	2	PLUG	A/O	3	B	A	NC	FC	NO	3 3	EF-1 EF-7	
HCV-110	2	PLUG	A/O	3	B	A	NC	FC	NO	3 3	EF-1 EF-7	
FCV-4-113B	2	DIAPH	A/O	2	B	A	NC	FC	YES	3 3 3	EF-1 EF-7 EST-3	
FCV-4-114B	2	DIAPH	A/O	2	B	A	NC	FC	YES	3 3 3	EF-1 EF-7 EST-3	
RV-4-283A	3/4	REL	SA	2	C	A	NC	--	NO	1	TF-1	

SYSTEM TITLE CHEM. VOL. CONT. (CVCS)

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE I
TESTS TO CODE

CHART TITLE F-503184

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
RV-4-283B	3/4	REL	SA	2	C	A	NC	--	NO	1	TF-1	
RV-4-283C	3/4	REL	SA	2	C	A	NC	--	NO	1	TF-1	
4-271	1	CHECK	SA	2	C	A	NC	--	NO	2	EF-2	
4-302A	3/4	CHECK	SA	1	C	A	NC	--	NO	2	EF-2	
4-302B	3/4	CHECK	SA	1	C	A	NC	--	NO	2	EF-2	
4-302C	3/4	CHECK	SA	1	C	A	NC	--	NO	2	EF-2	
397A	2	CHECK	SA	3	C	A	NC	--	NO	3	EF-1	
397B	2	CHECK	SA	3	C	A	NC	--	NO	3	EF-1	
397C	2	CHECK	SA	3	C	A	NC	--	NO	3	EF-1	
397D	2	CHECK	SA	3	C	A	NC	--	NO	3	EF-1	
4-351	2	CHECK	SA	2	C	A	NC	--	NO	2	EF-2	

SYSTEM TITLE CHEM. VOL. CONT. (CVCS)

CHART TITLE F-503184

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE I
TESTS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
4-352	2	CHECK	SA	2	C	A	NC	--	NO	2	EF-2	
4-313	3	CHECK	SA	1	C	A	NC	--	NO	2	EF-2	
4-312A	3	CHECK	SA	1	C	A	NC	--	NO	3	EF-1	
4-312B	3	CHECK	SA	1	C	A	NC	--	NO	3	EF-1	

SYSTEM TITLE CHEM. VOL. CONT. (CVCS)

CHART TITLE F-503184

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE I
TESTS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
70-006A	2	CHECK	SELF	3	C	A	NC	--	NO	3	EF-1	
70-006B	2	CHECK	SELF	3	C	A	NC	--	NO	3	EF-1	
CV-2046A	2	PLUG	A/O	3	B	A	NC	--	NO	3	EF-1	
CV-2046B	2	PLUG	A/O	3	B	A	NC	--	NO	3	EF-1	
SV-3522A	1 1/2	GLOBE	SO	3	B	A	NC	--	NO	3	EF-1	
SV-3522B	1 1/2	GLOBE	SO	3	B	A	NC	--	NO	3	EF-1	

SYSTEM TITLE DIESEL OIL

CHART TITLE F-502033

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE I
TESTS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
4-40-203	2	GATE	MAN	2	AE	P	LC	FAI	NO	1 1	OC-1 SLT-1	
4-40-205	2	CHECK	SA	2	C	A	NC	--	NO	2	EF-2	
4-40-204	2	GATE	MAN	2	E	P	LC	FAI	NO	1	OC-1	
CV-4-2803	2	PLUG	A/O	2	AE	P	LO	FO	NO	1 1	OC-1 SLT-1	

SYSTEM TITLE: LUBE OIL & INSTR. AIR

CHART TITLE: F-502030

PROGRAM TITLE: VALVE TEST PROGRAM

APR 5 1978

TABLE I
TESTS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
MOV-4-749A	16	GATE	MO	3	B	A	NC	FAI	YES	3 3	EF-1 EST-5	
MOV-4-749B	16	GATE	MO	3	B	A	NC	FAI	YES	3 3	EF-1 EST-5	
CV-4-739	3	GLOBE	A/O	2	B	A	NC	FC	YES	2 2 2	EF-2 EF-8 EST-2	
MOV-4-716A	6	GATE	MO	3	B	A	NO	FAI	YES	2 2	EF-2 EST-*	* 15 sec.
MOV-4-716B	6	GATE	MO	2	B	A	NO	FAI	YES	2 2	EF-2 EST-*	* 15 sec.

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

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

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE I
TESTS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
MOV-4-1418	10	GATE	MO	2	B.	A	NO	FAI	YES	2 2	EF-2 EST-4	
TCV-4-144	6	BUTFY	A/O	3	B	A	NO	FO	NO	3 3	EF-1 EF-7	
4-724D	3	GATE	MAN	3	B	A	NC	FAI	NO	3	EF-1	
CV-4-2903	10	BUTFY	A/O	2	B	A	NO	FO	YES	3 3 3	EF-1 EF-7 EST-3	
CV-4-2904	10	BUTFY	A/O	2	B	A	NO	FO	YES	3 3 3	EF-1 EF-7 EST-3	
CV-4-2905	10	BUTFY	A/O	2	B	A	NO	FO	YES	3 3 3	EF-1 EF-7 EST-3	
CV-4-2810	6	PLUG	A/O	2	B	A	NO	FC	YES	3 3 3	EF-1 EF-7 EST-3	

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

PROGRAM TITLE: VALVE TEST PROGRAM

CHART TITLE: F-502187 F-503188 F-502036

APR 5 1978

TABLE I
TESTS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
CV-4-2906	10	BUTFY	A/O	2	B	A	NC	FO	YES	3 3 3	EF-1 EF-7 EST-3	
MOV-4-832	3	GATE	MO	3	B	A	NC	FAI	YES	3 3	EF-1 EST-3	
CV-4-2812	6	PLUG	A/O	2	B	A	NO	FC	YES	3 3 3	EF-1 EF-7 EST-3	
CV-4-2907	10	BUTFY	A/O	2	B	A	NC	FO	YES	3 3 3	EF-1 EF-7 EST-3	
CV-4-2814	6	PLUG	A/O	2	B	A	NO	FC	YES	3 3 3	EF-1 EF-7 EST-3	
CV-4-2908	10	BUTFY	A/O	2	B	A	NC	FO	YES	3 3 3	EF-1 EF-7 EST-3	

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

PROGRAM TITLE VALVE TEST PROGRAM

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

APR 5 1978

TABLE I
TESTS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
MOV-4-1417	10	GATE	MO	2	B	A	NO	FAI	YES	2 2	EF-2 EST-4	
MOV-4-730	6	GATE	MO	2	B	A	NO	FAI	YES	2 2	EF-2 EST-*	* 15 sec.
FCV-4-626	3	GATE	MO	2	B	A	NO	FAI	YES	2 2	EF-2 EST-*	* 15 sec.
4-738	3	CHECK	SELF	2	C	A	NC	--	NO	2	EF-2	
4-737A	3	GATE	MAN	2	B	A	NO	FAI	NO	2	EF-2	
RCV-4-609	2	GLOBE	A/O	3	B	A	NO	FC	YES	3 3 3	EF-1 EF-7 EST-3	
RV-4-729	3	NOZL	SELF	2	C	A	NC	--	NO	1	TF-1	
RV-4-707	3	NOZL	SELF	3	C	A	NC	--	NO	1	TF-1	

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

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE I
TESTS TO CODE

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

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
RV-4-747A	1	NOZL	SELF	3	C	A	NC	--	NO	1	TF-1	
RV-4-747B	1	NOZL	SELF	3	C	A	NC	--	NO	1	TF-1	
RV-4-715	3	NOZL	SELF	2	C	A	NC	--	NO	1	TF-1	
4-702A	16	CHECK	SELF	3	C	A	NO	--	NO	3	EF-1	
4-702B	16	CHECK	SELF	3	C	A	NO	--	NO	3	EF-1	
4-702C	16	CHECK	SELF	3	C	A	NO	--	NO	3	EF-1	
RV-4-791C	3/4	SAFE	SA	3	C	A	NC	--	NO	1	TF-1	
RV-4-791E	3/4	SAFE	SA	3	C	A	NC	--	NO	1	TF-1	
RV-4-791F	3/4	SAFE	SA	3	C	A	NC	--	NO	1	TF-1	

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

PROGRAM TITLE: VALVE TEST PROGRAM

APR 5 1978

TABLE I
TESTS TO CODE

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

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
RV-4-722A	3/4	SAFE	SA	3	C	A	NC	--	NO	1	TF-1	
RV-4-722B	3/4	SAFE	SA	3	C	A	NC	--	NO	1	TF-1	
RV-4-722C	3/4	SAFE	SA	3	C	A	NC	--	NO	1	TF-1	
RV-4-1423	3/4	SAFE	SA	2	C	A	NC	--	NO	1	TF-1	
RV-4-1424	3/4	SAFE	SA	2	C	A	NC	--	NO	1	TF-1	
RV-4-1425	3/4	SAFE	SA	2	C	A	NC	--	NO	1	TF-1	
4-710A	4	GATE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
4-710B	4	GATE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
4-835A	12	GATE	MAN	3	E	P	LC	FAI	NO	1	OC-1	
4-835B	12	GATE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
4-835C	12	GATE	MAN	3	E	P	LO	FAI	NO	1	OC-1	

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

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

PROGRAM TITLE: VALVE TEST PROGRAM

APR 5 1978

TABLE I
TESTS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
4-835D	12	GATE	MAN	3	E	P	LC	FAI	NO	1	OC-1	
4-835E	12	GATE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
4-835F	12	GATE	MAN	3	E	P	LC	FAI	NO	1	OC-1	
4-835G	12	GATE	MAN	3	E	P	LC	FAI	NO	1	OC-1	
4-835H	12	GATE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
4-770A	2	GATE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
4-770B	2	GATE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
4-770C	2	GATE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
4-770D	2	GATE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
4-787A	16	GATE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
4-787B	16	GATE	MAN	3	E	P	LO	FAI	NO	1	OC-1	

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

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE I
TESTS TO CODE

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

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
4-787C	16	GATE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
4-787D	16	GATE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
4-787E	16	GATE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
4-787F	16	GATE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
4-787G	16	GATE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
4-787H	16	GATE	MAN	3	E	P	LO	FAI	NO	1	OC-1	

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

PROGRAM TITLE: VALVE TEST PROGRAM

APR 5 1978

TABLE I
TESTS TO CODE

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

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
4-518	3/4	CHECK	SELF	2	AC	A	NC	--	NO	2 1	EF-2 SLT-1	
PCV-4-455A	4	PLUG	A/O	1	B	A	NC	FC	NO	2 2	EF-2 EF-8	
PCV-4-455B	4	PLUG	A/O	1	B	A	NC	FC	NO	2 2	EF-2 EF-8	
CV-4-519A	3	DIAPH	A/O	2	A	A	NO	FC	YES	2 2 2 1	EF-2 EF-8 EST-4 SLT-1	
CV-4-519B	3	DIAPH	A/O	2	B	A	NC	FC	YES	2 2 2	EF-2 EF-8 EST-4	
CV-4-522A	3/4	DIAPH	A/O	2	B	A	NC	FC	YES	2 2 2	EF-2 EF-8 EST-2	

SYSTEM TITLE REACTOR COOLANT (RCS)

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE I
TESTS TO CODE

CHART TITLE F-503191

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
CV-4-522B	3/4	DIAPH	A/O	2	B	A	NC	FC	YES	2 2 2	EF-2 EF-8 EST-2	
CV-4-522C	3/4	DIAPH	A/O	2	B	A	NC	FC	YES	2 2 2	EF-2 EF-8 EST-2	
CV-4-516	3/8	GLOBE	A/O	2	A	A	NC	FC	YES	2 2 2 1	EF-2 EF-8 EST-2 SLT-1	
CV-4-549	3/4	DIAPH	A/O	2	B	A	NC	FC	YES	2 2 2	EF-2 EF-8 EST-3	
RV-4-551A	4	SAFE	SA	1	C	A	NC	--	NO	1	TF-1	
RV-4-551B	4	SAFE	SA	1	C	A	NC	--	NO	1	TF-1	
RV-4-551C	4	SAFE	SA	1	C	A	NC	--	NO	1	TF-1	

SYSTEM TITLE REACTOR COOLANT (RCS)

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE I
TESTS TO CODE

CHART TITLE F-503191

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
PCV-1036A	1	DIAPH	A/O	3	B	A	NC	FC	YES	3 3 3	EF-1 EF-7 EST-3	
PCV-1036B	3/8	DIAPH	A/O	3	B	A	NC	FC	YES	3 3 3	EF-1 EF-7 EST-3	
CV-4639A	1	DIAPH	A/O	3	B	A	NC	FC	YES	3 3 3	EF-1 EF-7 EST-3	
PCV-1037A	1	DIAPH	A/O	3	B	A	NC	FC	YES	3 3 3	EF-1 EF-7 EST-3	
PCV-1037B	3/8	DIAPH	A/O	3	B	A	NC	FC	YES	3 3 3	EF-1 EF-7 EST-3	
CV-4639B	1	DIAPH	A/O	3	B	A	NC	FC	YES	3 3 3	EF-1 EF-7 EST-3	

SYSTEM TITLE WASTE DISPOSAL - GAS

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

CHART TITLE F-503190

TABLE I
TESTS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
PCV-1038A	1	DIAPH	A/O	3	B	A	NC	FC	YES	3 3 3	EF-1 EF-7 EST-3	
PCV-1038B	3/8	DIAPH	A/O	3	B	A	NC	FC	YES	3 3 3	EF-1 EF-7 EST-3	
CV-4639C	1	DIAPH	A/O	3	B	A	NC	FC	YES	3 3 3	EF-1 EF-7 EST-3	
PCV-1039A	1	DIAPH	A/O	3	B	A	NC	FC	YES	3 3 3	EF-1 EF-7 EST-3	
PCV-1039B	3/8	DIAPH	A/O	3	B	A	NC	FC	YES	3 3 3	EF-1 EF-7 EST-3	
CV-4639D	1	DIAPH	A/O	3	B	A	NC	FC	YES	3 3 3	EF-1 EF-7 EST-3	

SYSTEM TITLE WASTE DISPOSAL - GAS

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE I
TESTS TO CODE

CHART TITLE F-503190

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
PCV-1052A	1	DIAPH	A/O	3	B	A	NC	FC	YES	3 3 3	EF-1 EF-7 EST-3	
PCV-1052B	3/8	DIAPH	A/O	3	B	A	NC	FC	YES	3 3 3	EF-1 EF-7 EST-3	
CV-4639E	1	DIAPH	A/O	3	B	A	NC	FC	YES	3 3 3	EF-1 EF-7 EST-3	
PCV-1053A	1	DIAPH	A/O	3	B	A	NC	FC	YES	3 3 3	EF-1 EF-7 EST-3	
PCV-1053B	3/8	DIAPH	A/O	3	B	A	NC	FC	YES	3 3 3	EF-1 EF-7 EST-3	
CV-4639F	1	DIAPH	A/O	3	B	A	NC	FC	YES	3 3 3	EF-1 EF-7 EST-3	

SYSTEM TITLE WASTE DISPOSAL - GAS

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE I
TESTS TO CODE

CHART TITLE F-503190

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
RV-4640A	1	SAFE	SA	3	C	A	NC	--	NO	1	TF-1	
RV-4640B	1	SAFE	SA	3	C	A	NC	--	NO	1	TF-1	
RV-4640C	1	SAFE	SA	3	C	A	NC	--	NO	1	TF-1	
RV-4640D	1	SAFE	SA	3	C	A	NC	--	NO	1	TF-1	
RV-4640E	1	SAFE	SA	3	C	A	NC	--	NO	1	TF-1	
RV-4640F	1	SAFE	SA	3	C	A	NC	--	NO	1	TF-1	

SYSTEM TITLE WASTE DISPOSAL - GAS

CHART TITLE F-503190

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE I
TESTS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
4638A	1	DIAPH	MAN	3	E	P	LC	FAI	NO	1	OC-1	
4638B	1	DIAPH	MAN	3	E	P	LC	FAI	NO	1	OC-1	
4638C	1	DIAPH	MAN	3	E	P	LC	FAI	NO	1	OC-1	
4638D	1	DIAPH	MAN	3	E	P	LC	FAI	NO	1	OC-1	
4638E	1	DIAPH	MAN	3	E	P	LC	FAI	NO	1	OC-1	
4638F	1	DIAPH	MAN	3	E	P	LC	FAI	NO	1	OC-1	

SYSTEM TITLE WASTE DISPOSAL - GAS

CHART TITLE F-503190

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE I
TESTS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
CV-3705	3	PLUG	A/O	3	B	A	NC	FAI	NO	3	EF-1	
CV-3706	3	PLUG	A/O	3	B	A	NC	FAI	NO	3	EF-1	
CV-3707	3	PLUG	A/O	3	B	A	NC	FAI	NO	3	EF-1	
CV-4-1606	6	PLUG	A/O	2	B	A	NC	FC	NO	2 2	EF-2 EF-8	
CV-4-1607	6	PLUG	A/O	2	B	A	NC	FC	NO	2 2	EF-2 EF-8	
CV-4-1608	6	PLUG	A/O	2	B	A	NC	FC	NO	2 2	EF-2 EF-8	

SYSTEM TITLE STEAM SYSTEM

CHART TITLE F-502027

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE I
TESTS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
POV-4-2604	26	POWER ASST'D CHECK	A/CYL	2	C	A	NO	FC	YES	2 2 2	EF-2 EF-8 EST-1	
POV-4-2605	26	POWER ASST'D CHECK	A/CYL	2	C	A	NO	FC	YES	2 2 2	EF-2 EF-8 EST-1	
POV-4-2606	26	POWER ASST'D CHECK	A/CYL	2	C	A	NO	FC	YES	2 2 2	EF-2 EF-8 EST-1	
MOV-4-1400	2	GATE	MO	2	B	A	NC	FAI	YES	2	EF-2	
MOV-4-1401	2	GATE	MO	2	B	A	NC	FAI	YES	2	EF-2	
MOV-4-1402	2	GATE	MO	2	B	A	NC	FAI	YES	2	EF-2	
MOV-4-1403	3	GATE	MO	2	B	A	NC	FAI	YES	3 3	EF-1 EST-3	
MOV-4-1404	3	GATE	MO	2	B	A	NC	FAI	YES	3 3	EF-1 EST-3	
MOV-4-1405	3	GATE	MO	2	B	A	NC	FAI	YES	3 3	EF-1 EST-3	

SYSTEM TITLE STEAM SYSTEM

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE I
TESTS TO CODE

CHART TITLE F-502027

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
RV-4-1400	6	RELIEF	SELF	2	C	A	NC	--	NO	1	TF-1	
RV-4-1401	6	RELIEF	SELF	2	C	A	NC	--	NO	1	TF-1	
RV-4-1402	6	RELIEF	SELF	2	C	A	NC	--	NO	1	TF-1	
RV-4-1403	6	RELIEF	SELF	2	C	A	NC	--	NO	1	TF-1	
RV-4-1405	6	RELIEF	SELF	2	C	A	NC	--	NO	1	TF-1	
RV-4-1406	6	RELIEF	SELF	2	C	A	NC	--	NO	1	TF-1	
RV-4-1407	6	RELIEF	SELF	2	C	A	NC	--	NO	1	TF-1	
RV-4-1408	6	RELIEF	SELF	2	C	A	NC	--	NO	1	TF-1	
RV-4-1411	6	RELIEF	SELF	2	C	A	NC	--	NO	1	TF-1	
RV-4-1413	6	RELIEF	SELF	2	C	A	NC	--	NO	1	TF-1	
RV-4-1410	6	RELIEF	SELF	2	C	A	NC	--	NO	1	TF-1	

SYSTEM TITLE STEAM SYSTEM

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE I
TESTS TO CODE

CHART TITLE F-502027

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
RV-4-1412	6	RELIEF	SELF	2	C	A	NC	--	NO	1	TF-1	
RV-3440	4	RELIEF	SELF	3	C	A	NC	--	NO	1	TF-1	
RV-3441	4	RELIEF	SELF	3	C	A	NC	--	NO	1	TF-1	
RV-3442	4	RELIEF	SELF	3	C	A	NC	--	NO	1	TF-1	
4-10-087	4	CHECK	SELF	3	C	A	NC	--	NO	3	EF-1	
4-10-085	4	CHECK	SELF	3	C	A	NC	--	NO	3	EF-1	
4-10-083	4	CHECK	SELF	3	C	A	NC	--	NO	3	EF-1	
RV-1441	1 1/2	RELIEF	SELF	3	C	A	NC	--	NO	1	TF-1	
RV-1442	1 1/2	RELIEF	SELF	3	C	A	NC	--	NO	1	TF-1	
RV-1443	1 1/2	RELIEF	SELF	3	C	A	NC	--	NO	1	TF-1	

SYSTEM TITLE STEAM SYSTEM

CHART TITLE F-502027

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE I
TESTS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
4-10-86A	4	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
4-10-86B	4	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
3-10-86B	4	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
4-10-84A	4	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
4-10-84B	4	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
3-10-84B	4	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
4-10-82A	4	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
4-10-82B	4	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
3-10-82B	4	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	

SYSTEM TITLE STEAM SYSTEM

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE I
TESTS TO CODE

CHART TITLE F-502027

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
4-10-120	4	S/CHK	MAN	3	C/E	P	LO	--	NO	1	OC-1	
4-10-220	4	S/CHK	MAN	3	C/E	P	LO	--	NO	1	OC-1	
4-10-320	4	S/CHK	MAN	3	C/E	P	LO	--	NO	1	OC-1	
4-10-119	3	S/CHK	MAN	3	C/E	P	LO	--	NO.	1	OC-1	
4-10-219	3.	S/CHK	MAN	3	C/E	P	LO	--	NO	1	OC-1	
4-10-319	3	S/CHK	MAN	3	C/E	P	LO	--	NO	1	OC-1	

SYSTEM TITLE STEAM SYSTEM

CHART TITLE F-502027

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE I
TESTS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
CV-4-2821	3	PLUG	A/O	2	A	A	NO	FC	YES	3 3 3 1	EF-1 EF-7 EST-2 SLT-1	
CV-4-2822	3	PLUG	A/O	2	A	A	NO	FC	YES	3 3 3 1	EF-1 EF-7 EST-2 SLT-1	
4-4692A	2	CHECK	SA	2	C	A	NC	--	NO	3	EF-1	
4-4692B	2	CHECK	SA	2	C	A	NC	--	NO	3	EF-1	

SYSTEM TITLE CONT. & RADWASTE DRAINS & VENTS

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE I
TESTS TO CODE

CHART TITLE F-502038

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS X	REMARKS Y	REMARKS Z
MOV-4-751	14	GATE	MO	1	A	A	NC	FAI	YES	1 1 1	EF5 EST5 SLT1	E6 E6	E1,E3 E1,E3	
MOV-4-744A	10	GATE	MO	2	B	A	NC	FAI	YES	1 1	EF5 EST3	E6 E6	E1,E3 E1,E3	
MOV-4-744B	10	GATE	MO	2	B	A	NC	FAI	YES	1 1	EF5 EST3	E6 E6	E1,E3 E1;E3	
MOV-4-750	14	GATE	MO	1	B	A	NC	FAI	YES	1 1	EF5 EST5	E6 E6	E1,E3 E1,E3	

SYSTEM TITLE: AUX. COOL. RES. HEAT REM.

CHART TITLE: F-503194

PROGRAM TITLE: VALVE TEST PROGRAM

APR 5 1978

TABLE II
EXCEPTIONS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS X	REMARKS Y	REMARKS Z.
4-11-003	2	CHECK	S/A	2	A/C	A	NO	--	NO	1 1	EF-2 SLT-1	Def 6	E1, E5	

SYSTEM TITLE CONTAINMENT VENTILATION SYSTEM

CHART TITLE F-502037

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE II
EXCEPTIONS TO CODE

FLORIDA POWER & LIGHT COMPANY

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

SYSTEM TITLE SAMPLING (SS)

CHART F-503193

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE II
EXCEPTIONS TO CODE

FLORIDA POWER & LIGHT COMPANY

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

SYSTEM TITLE CONDENSATE & FEEDWATER

CHART F-502028

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE II
EXCEPTIONS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS X	REMARKS Y	REMARKS Z.
SV-4-2905	2	GATE	SO	2	B	A	NC	FAI	NO	--	--	Def. 6	E-5	
SV-4-2906	2	GATE	SO	2	B	A	NC	FAI	NO	--	--	Def. 6	E-5	
SV-4-2907	2	GATE	SO	2	B	A	NC	FAI	NO	--	--	Def. 6	E-5	
SV-4-2908	2	GATE	SO	2	B	A	NC	FAI	NO	--	--	Def. 6	E-5	
SV-4-2909	2	GATE	SO	2	B	A	NC	FAI	NO	--	--	Def. 6	E-5	
SV-4-2910	2	GATE	SO	2	B	A	NC	FAI	NO	--	--	Def. 6	E-5	
4-890A	6	CHECK	SA	2	C	A	NC	FAI	NO	--	--	Def. 6	E-5	
4-890B	6	CHECK	SA	2	C	A	NC	FAI	NO	--	--	Def. 6	E-5	
4-873B	2	CHECK	SA	1	A/C	A	NC	--	NO	1 1	EF-2 SLT-1	E-6	E-3	
4-873C	2	CHECK	SA	1	A/C	A	NC	--	NO	1 1	EF-2 SLT-1	E-6	E-3	

SYSTEM TITLE: SAFETY INJECTION SYSTEM (SIS)

CHART TITLE: E-503185

PROGRAM TITLE: VALVE TEST PROGRAM

APR 5 1978

TABLE II
EXCEPTIONS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS X	REMARKS Y	REMARKS Z.
4-2918	2	CHECK	SA	2	C	A	NC	--	NO	--	--	DEF. 6	E-5	
4-2919	2	CHECK	SA	2	C	A	NC	--	NO	--	--	DEF. 6	E-5	
4-2920	2	CHECK	SA	2	C	A	NC	--	NO	--	--	DEF. 6	E-5	
4-2921	2	CHECK	SA	2	C	A	NC	--	NO	--	--	DEF. 6	E-5	
4-2922	2	CHECK	SA	2	C	A	NC	--	NO	--	--	DEF. 6	E-5	
4-2923	2	CHECK	SA	2	C	A	NC	--	NO	--	--	DEF. 6	E-5	
4-894B	2	CHECK	SA	2	C	A	NO	--	NO	--	--	DEF. 6	E-5	
4-874B	2	CHECK	SA	1	C	A	NC	--	NO	--	--	Def. 6	E-5	
4-874A	2	CHECK	SA	1	C	A	NC	--	NO	--	--	Def. 6	E-5	
4-873A	2	CHECK	SA	1	A/C	A	NC	--	NO	1 1	EF-2 SLT-1	E-6	E-3	

SYSTEM TITLE: SAFETY INJECTION SYSTEM (SIS)

CHART TITLE: E-503185

PROGRAM TITLE: VALVE TEST PROGRAM

APR 5 1978

TABLE II
EXCEPTIONS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS X	REMARKS Y	REMARKS Z.
4-875D	10	CHECK	SA	1	C	A	NC	--	NO	1	EF-2	E-6	E-3	
4-875E	10	CHECK	SA	1	C	A	NC	--	NO	1	EF-2	E-6	E-3	
4-875F	10	CHECK	SA	1	C	A	NC	--	NO	1	EF-2	E-6	E-3	

SYSTEM TITLE SAFETY INJECTION SYSTEM (SIS)

CHART E-503185

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE II
EXCEPTIONS TO CODE

FLORIDA POWER & LIGHT COMPANY

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

SYSTEM TITLE RE: PRIMARY WATER

CHART

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE II
EXCEPTIONS TO CODE

FLORIDA POWER & LIGHT COMPANY

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

SYSTEM TITLE AUX. COOLANT SPENT FUEL

CHART P-502105

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE II
EXCEPTIONS TO CODE

FLORIDA POWER & LIGHT COMPANY

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

SYSTEM TITLE WASTE DISPOSAL - LIQUID

CHART F-503189

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE II
EXCEPTIONS TO CODE

FLORIDA POWER & LIGHT COMPANY

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

SYSTEM TITLE INTAKE COOL. WATER

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE II
EXCEPTIONS TO CODE

CHART TITLE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS X	REMARKS Y	REMARKS Z
4-266	4	CHECK	SA	2	C	A	NO	--	NO	--	--	Def. 6	E5	
4-357	4	CHECK	SA	2	C	A	NC	--	NO	--	--	Def. 6	E5	
4-281	3	CHECK	SA	3	C	A	NO	--	NO	--	--	Def. 6	E5	
4-239A	2	CHECK	SA	2	C	A	NO	--	NO	--	--	Def. 6	E5	
4-274A	3/4	CHECK	SA	2	C	A	NC	--	NO	--	--	Def. 6	E5	
4-274B	3/4	CHECK	SA	2	C	A	NC	--	NO	--	--	Def. 6	E5	
4-274C	3/4	CHECK	SA	2	C	A	NC	--	NO	--	--	Def. 6	E5	
4-312C	3	CHECK	SA	1	AC	A	NO	--	NO	1 1	EF-2 SLT-1	E6	E5	
4-298A	2	CHECK	SA	1	AC	A	NO	--	NO	1 1	EF-2 SLT-1	E6	E5	
4-298B	2	CHECK	SA	1	AC	A	NO	--	NO	1 1	EF-2 SLT-1	E6	E5	

SYSTEM TITLE CHEM. VOL. CONT. (CVCS)

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE II
EXCEPTIONS TO CODE

CHART — 502184

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS X	REMARKS Y	REMARKS Z.
4-298C	2	CHECK	SA	1	AC	A	NO	--	NO	1 1	EF-2 SLT-1	E6	E5	
4-298D	2	CHECK	SA	1	C	A	NO	--	NO	--	--	Def. 6	E5	
4-298E	2	CHECK	SA	1	C	A	NO	--	NO	--	--	Def. 6	E5	
4-298F	2	CHECK	SA	1	C	A	NO	--	NO	--	--	DEF. 6	E5	

SYSTEM TITLE CHEM. VOL. CONT. (CVCS)

CHART F-503184

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE II
EXCEPTIONS TO CODE

FLORIDA POWER & LIGHT COMPANY

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

SYSTEM TITLE DIESEL OIL

CHART F-502033

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE II
EXCEPTIONS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS X	REMARKS Y	REMARKS Z.
4-40-336	2	CHECK	SA	2	AC	A	NO	--	NO	1 1	EF-2 SLT-1	E6	E1	

SYSTEM TITLE LUBE OIL & INSTR. AIR

CHART F-502030

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE II
EXCEPTIONS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS X	REMARKS Y	REMARKS Z.
4-721A	1 1/2	CHECK	SA	3	C	A	NO	--	NO	--	--	Def. 6	E-5	
4-721B	1 1/2	CHECK	SA	3	C	A	NO	--	NO	--	--	Def. 6	E-5	
4-721C	1 1/2	CHECK	SA	3	C	A	NO	--	NO	--	--	Def. 6	E-5	
4-731	6	CHECK	SA	3	C	A	NO	--	NO	--	--	Def. 6	E-5	
4-735	3	CHECK	SA	3	C	A	NO	--	NO	--	--	Def. 6	E-5	
4-717	6	CHECK	SA	2	C	A	NO	--	NO	1	EF-2	E-6	E-5	

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

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE II
EXCEPTIONS TO CODE

CHART

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS X	REMARKS Y	REMARKS Z.
MOV-4-535	3	GATE	MO	1	B	A	NO	FAI	YES	1 1	EF-5 EST-4	E-6	E-1	
MOV-4-536	3	GATE	MO	1	B	A	NO	FAI	YES	1 1	EF-5 EST-4	E-6	E-1	
PCV-4-456	3	PLUG	AO	1	B	A	NC	FC	YES	1 1	EF-5 EST-4	E-6	E-1, E-3	
PCV-4-455C	3	PLUG	AO	1	B	A	NC	FC	YES	1 1	EF-5 EST-4	E-6	E-1, E-3	

SYSTEM TITLE REACTOR COOLANT SYSTEM (RCS)

PROGRAM TITLE VALVE TEST PROGRAM

CHART P-503191

APR 5 1978

TABLE II
EXCEPTIONS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS X	REMARKS Y	REMARKS Z.
4637A	1	CHECK	SA	3	C	A	NC	--	NO	--	--	Def. 6	E-5	
4637B	1	CHECK	SA	3	C	A	NC	--	NO	--	--	Def. 6	E-5	
4637C	1	CHECK	SA	3	C	A	NC	--	NO	--	--	Def. 6	E-5	
4637D	1	CHECK	SA	3	C	A	NC	--	NO	--	--	Def. 6	E-5	
4637E	1	CHECK	SA	3	C	A	NC	--	NO	--	--	Def. 6	E-5	
4637F	1	CHECK	SA	3	C	A	NC	--	NO	--	--	Def. 6	E-5	

SYSTEM TITLE WASTE DISPOSAL - GAS

CHART F-503190

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE II
EXCEPTIONS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS X	REMARKS Y	REMARKS Z.
3-10-83	4	CHECK	SELF	3	C	A	NC	--	NO	--	--	Def. 6	E-5	
3-10-85	4	CHECK	SELF	3	C	A	NC	--	NO	--	--	Def. 6	E-5	
3-10-87	4	CHECK	SELF	3	C	A	NC	--	NO	--	--	Def. 6	E-5	

SYSTEM TITLE STEAM SYSTEM

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE II
EXCEPTIONS TO CODE

CHART E-502027

FLORIDA POWER & LIGHT COMPANY

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

SYSTEM TITLE CONT. & RADWASTE DRAINS & VENTS

CHART F-502038

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE II
EXCEPTIONS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
FCV-4-479	4	GLOBE	A/O	2	B	A	NC	FC	NO	2 2	EF-8 EF-2	
FCV-4-489	4	GLOBE	A/O	2	B	A	NC	FC	NO	2 2	EF-2 EF-8	
FCV-4-499	4	GLOBE	A/O	2	B	A	NC	FC	NO	2 2	EF-2 EF-8	
CV-4-2900	14	CHECK	A/O	2	C	A	NO	--	NO	2	EF-2	
CV-4-2901	14	CHECK	A/O	2	C	A	NO	--	NO	2	EF-2	
CV-4-2902	14	CHECK	A/O	2	C	A	NO	--	NO	2	EF-2	
MOV-4-1410	2	GLOBE	MO	2	B	A	NO	FAI	YES	2 2	EF-2 EST-3	

SYSTEM TITLE: CONDENSATE & FEEDWATER

CHART TITLE: F-502028

PROGRAM TITLE: VALVE TEST PROGRAM

APR 5 1978

TABLE I
TESTS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
CV-4-2816	4	PLUG	AO	2	B	A	NC	FC	NO	3 3	EF-1 EF-7	
CV-4-2817	4	PLUG	AO	2	B	A	NC	FC	NO	3 3	EF-1 EF-7	
CV-4-2818	4	PLUG	AO	2	B	A	NC	FC	NO	3 3	EF-1 EF-7	
CV-4-2831	4	PLUG	AO	2	B	A	NC	FC	NO	3 3	EF-1 EF-7	
CV-4-2832	4	PLUG	AO	2	B	A	NC	FC	NO	3 3	EF-1 EF-7	
CV-4-2833	4	PLUG	AO	2	B	A	NC	FC	NO	3 3	EF-1 EF-7	
20-143	6	CHECK	SELF	3	C	A	NC	--	NO	3	EF-1	
20-243	6	CHECK	SELF	3	C	A	NC	--	NO	3	EF-1	
20-343	6	CHECK	SELF	3	C	A	NC	--	NO	3	EF-1	

SYSTEM TITLE CONDENSATE AND FEEDWATER

CHART TITLE F-502028

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE I
TESTS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
4-20-140	4	CHECK	S/A	2	C	A	NC	--	NO	3	EF-1	
4-20-240	4	CHECK	S/A	2	C	A	NC	--	NO	3	EF-1	
4-20-340	4	CHECK	S/A	2	C	A	NC	--	NO	3	EF-1	
4-20-401	8	CHECK	S/A	3	C	A	NC	--	NO	3	EF-1	
4-20-131	6	CHECK	S/A	2	C	A	NC	--	NO	2	EF-2	
4-20-231	6	CHECK	S/A	2	C	A	NC	--	NO	2	EF-2	
4-20-331	6	CHECK	S/A	2	C	A	NC	--	NO	2	EF-2	
CV-4-2205	10	PLUG	AO	3	B	A	NC	FC	NO	2 2	EF-2 EF-8	

SYSTEM TITLE CONDENSATE & FEEDWATER

CHART TITLE F-502028

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE I
TESTS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
4-20-139	1	GLOBE	MAN	2	E	P	LO	FAI	NO	1	OC-1	
4-20-239	1	GLOBE	MAN	2	E	P	LO	FAI	NO	1	OC-1	
4-20-339	1	GLOBE	MAN	2	E	P	LO	FAI	NO	1	OC-1	
3-20-142	6	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
4-20-142	6	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
3-20-242	6	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
4-20-242	6	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
3-20-342	6	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
4-20-342	6	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
4-20-400	10	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	

SYSTEM TITLE CONDENSATE & FEEDWATER

CHART TITLE F-502028

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE I
TESTS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
3-20-144	6	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
4-20-144	6	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
3-20-244	6	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
4-20-244	6	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
3-20-344	6	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	
4-20-344	6	GLOBE	MAN	3	E	P	LO	FAI	NO	1	OC-1	

SYSTEM TITLE CONDENSATE & FEEDWATER

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE I
TESTS TO CODE

CHART TITLE F-502028

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
CV-4-855	1	GLOBE	A/O	2	A	A	NC	FC	YES	2 2 2 1	EF-2 EF-8 EST-2 SLT-1	
CV-4-851A	1	GLOBE	A/O	2	B	A	NC	FC	YES	2 2 2	EF-2 EF-8 EST-2	
CV-4-841A	1	GLOBE	A/O	2	B	A	NO	FC	YES	3 3 3	EF-1 EF-7 EST-2	
MOV-878A	4	GATE	MO	2	B	A	NO	FAI	YES	2 2	EF-2 EST-3	
MOV-878B	4	GATE	MO	2	B	A	NO	FAI	YES	2 2	EF-2 EST-3	
4-895V	3/4	GLOBE	MAN	2	A/E	P	LC	FAI	NO	1 1	SLT-1 OC-1	
MOV-4-866A	2	GLOBE	MO	1	E	P	LC	FAI	YES	1	OC-1	

SYSTEM TITLE: SAFETY INJECTION SYSTEM (SIS)

PROGRAM TITLE: VALVE TEST PROGRAM

APR 5 1978

CHART TITLE: E-503185

TABLE I
TESTS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
4-864-C	8	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	
886-A	6	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	
886-B	6	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	
886-C	6	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	
886-D	6	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	
888-A	3	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	
888-B	3	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	
888-C	3	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	
888-D	3	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	
845-A	4	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	
845-B	4	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	
845-C	4	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	
845-D	4	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	

SYSTEM TITLE SAFETY INJECTION SYSTEM (SIS)

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE I
TESTS TO CODE

CHART TITLE E-503185

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
4-895-K	3/4	GLOBE	MAN	2	E	P	LC	FAI	NO	1	OC-1	
4-895-T	3/4	GLOBE	MAN	2	E	P	LC	FAI	NO	1	OC-1	
4-836	1	GLOBE	MAN	2	E	P	LO	FAI	NO	1	OC-1	
4-844-A	8	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	
4-844-B	8	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	
4-891-A	6	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	
4-891-B	6	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	

SYSTEM TITLE SAFETY INJECTION SYSTEM (SIS)

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE I
TESTS TO CODE

CHART TITLE E-503185

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
CV-4-851B	1	GLOBE	A/O	2	B	A	NC	FC	YES	2 2 2	EF-2 EF-8 EST-2	
CV-4-851C	1	GLOBE	A/O	2	B	A	NC	FC	YES	2 2 2	EF-2 EF-8 EST-2	
MOV-4-860A	14	GATE	MO	2	B	A	NC	FAI	YES	2 2	EF-2 EST-4	
MOV-4-860B	14	GATE	MO	2	B	A	NC	FAI	YES	2 2	EF-2 EST-4	
MOV-4-861A	14	GATE	MO	2	A	A	NC	FAI	YES	2 2 1	EF-2 EST-4 SLT-1	
MOV-4-880A	6	GATE	MO	2	A	A	NC	FAI	YES	3 3 1	EF-1 EST* SLT-1	*15 sec.

SYSTEM TITLE SAFETY INJECTION SYSTEM (SIS)

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

CHART TITLE E-503185

TABLE I
TESTS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
MOV-4-866B	2	GLOBE	MO	1	E	P	LC	FAI	YES	1	OC-1	
MOV-4-843A	4	GATE	MO	2	A	A	NC	FAI	YES	3 3 1	EF-1 EST* SLT-1	 *15 sec.
MOV-4-843B	4	GATE	MO	2	A	A	NC	FAI	YES	3 3 1	EF-1 EST* SLT-1	 *15 sec.
MOV-4-872	8	GATE	MO	2	B	A	NC	FAI	YES	2 2	EF-2 EST-3	
HCV-4-936	1	GLOBE	AO	2	B	A	NC	FC	NO	2 2	EF-2 EF-8	
CV-4-853A	1	GLOBE	AO	2	B	A	NC	FC	YES	2 2 2	EF-2 EF-8 EST-3	
CV-4-853B	1	GLOBE	AO	2	B	A	NC	FC	YES	2 2 2	EF-2 EF-8 EST-3	

SYSTEM TITLE: SAFETY INJECTION SYSTEM (SIS)

PROGRAM TITLE: VALVE TEST PROGRAM

APR 5 1978

CHART TITLE: E-503185

TABLE I
TESTS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
MOV-4-880B	6	GATE	MO	2	A	A	NC	FAI	YES	3 3 1	EF-1 EST* SLT-1	*15 sec.
MOV-4-863A	8	GATE	MO	2	B	A	NC	FAI	YES	2 2	EF-2 EST-3	
MOV-4-863B	8	GATE	MO	2	B	A	NC	FAI	YES	2 2	EF-2 EST-3	
MOV-4-861B	14	GATE	MO	2	A	A	NC	FAI	YES	2 2 1	EF-2 EST-4 SLT-1	
MOV-4-869	3	GATE	MO	2	A	A	NC	FAI	YES	2 2 1	EF-2 EST-3 SLT-1	
MOV-4-867A	4	GATE	MO	2	B	A	NC	FAI	YES	3 3	EF-1 EST*	*15 sec.
MOV-4-867B	4	GATE	MO	2	B	A	NC	FAI	YES	3 3	EF-1 EST*	*15 sec.

SYSTEM TITLE SAFETY INJECTION SYSTEM (SIS)

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE I
TESTS TO CODE

CHART TITLE E-503185

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
CV-4-853C	1	GLOBE	AO	2	B	A	NC	FC	YES	2 2 2	EF-2 EF-8 EST-3	
RV-4-857	3/4	SAFE	SA	2	C	A	NC	--	NO	1	TF-1	
RV-4-859	3/4	SAFE	SA	2	C	A	NC	--	NO	1	TF-1	
4-876A	8	CHECK	SA	1	C	A	NC	--	NO	2	EF-2	
4-876B	8	CHECK	SA	1	C	A	NC	--	NO	2	EF-2	
4-876C	8	CHECK	SA	1	C	A	NC	--	NO	2	EF-2	
4-876D	8	CHECK	SA	1	C	A	NC	--	NO	2	EF-2	
4-876E	8	CHECK	SA	1	C	A	NC	--	NO	2	EF-2	
879A	3	CHECK	SA	2	C	A	NC	--	NO	3	EF-1	
879B	3	CHECK	SA	2	C	A	NC	--	NO	3	EF-1	

SYSTEM TITLE: SAFETY INJECTION SYSTEM (SIS)

PROGRAM TITLE: VALVE TEST PROGRAM

APR 5 1978

CHART TITLE: E-503185

TABLE I
TESTS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
879C	3	CHECK	SA	2	C	A	NC	--	NO	3	EF-1	
879D	3	CHECK	SA	2	C	A	NC	--	NO	3	EF-1	
4-875A	10	CHECK	SA	1	C	A	NC	--	NO	2	EF-2	
4-875B	10	CHECK	SA	1	C	A	NC	--	NO	2	EF-2	
4-875C	10	CHECK	SA	1	C	A	NC	--	NO	2	EF-2	
RV-4-858A	2	SAFE	SA	2	C	A	NC	--	NO	1	TF-1	
RV-4-858B	2	SAFE	SA	2	C	A	NC	--	NO	1	TF-1	
RV-4-858C	2	SAFE	SA	2	C	A	NC	--	NO	1	TF-1	
RV-4-871	3/4	SAFE	SA	2	C	A	NC	--	NO	1	TF-1	

SYSTEM TITLE SAFETY INJECTION SYSTEM (SIS)

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE I
TESTS TO CODE

CHART TITLE E-503185

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
MOV-4-864A	16	GATE	MO	2	E	P	LO	FAI	YES	1	OC1	
MOV-4-864B	16	GATE	MO	2	E	P	LO	FAI	YES	1	OC1	
MOV-3-864A	16	GATE	MO	2	E	P	LO	FAI	YES	1	OC1	
MOV-3-864B	16	GATE	MO	2	E	P	LO	FAI	YES	1	OC1	
MOV-4-865A	10	GATE	MO	2	E	P	LO	FAI	YES	1	OC1	
MOV-4-865B	10	GATE	MO	2	E	P	LO	FAI	YES	1	OC1	
MOV-4-865C	10	GATE	MO	2	E	P	LO	FAI	YES	1	OC1	
MOV-4-862A	14	GATE	MO	2	E	P	LO	FAI	YES	1	OC1	
MOV-4-862B	14	GATE	MO	2	E	P	LO	FAI	YES	1	OC1	
4-2915	2	GATE	MAN	2	E	P	LO	FAI	NO	1	OC1	
4-2916	2	GATE	MAN	2	E	P	LO	FAI	NO	1	OC1	
4-2917	2	GATE	MAN	2	E	P	LO	FAI	NO	1	OC1	

SYSTEM TITLE: SAFETY INJECTION SYSTEM (SIS)

PROGRAM TITLE: VALVE TEST PROGRAM

APR 5 1978

CHART TITLE: E-503185

TABLE I
TESTS TO CODE

PTP-4

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
4-885	10	GATE	MAN	2	E	P	LO	FAI	NO	1	OC1	
4-887	8	BUTFY	MAN	2	E.	P	LO	FAI	NO	1	OC1	
4-896C	3/4	GLOBE	MAN	2	E	P	LC	FAI	NO	1	OC1	
4-883M	1	GLOBE	MAN	2	E	P	LC	FAI	NO	1	OC1	

SYSTEM TITLE SAFETY INJECTION SYSTEM (SIS)

CHART TITLE E-503185

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE I
TESTS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
4-10-567	2	CHECK	SELF	2	AC	A	NC	--	NO	2 1	EF-2 SLT-1	
4-10-00L	2	GATE	MAN	2	A	P	NC	--	NO	1	SLT-1	

SYSTEM TITLE RE: PRIMARY WATER

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE I
TESTS TO CODE

CHART TITLE F-502036

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
NO TABLE I VALVES												

SYSTEM TITLE AUX. COOLANT SPENT FUEL

CHART TITLE F-503195

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE I
TESTS TO CODE

PTP-4

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
CV-4-4668B	3	DIAPH	A/O	2	A	A	NO	FC	YES	3 3 3 1	EF-1 EF-7 EST-2 SLT-1	
PCV-4-1014	1	GLOBE	A/O	2	A	A	NC	FC	NO	3 3 1	EF-1 EF-7 SLT-1	
CV-4-4658A	3/4	DIAPH	A/O	2	B	A	NO	FC	YES	3 3 3	EF-1 EF-7 EST-2	
CV-4-4658B	3/4	DIAPH	A/O	2	A	A	NO	FC	YES	3 3 3 1	EF-1 EF-7 EST-2 SLT-1	
CV-4-4659A	3/4	DIAPH	A/O	2	B	A	NO	FC	YES	3 3 3	EF-1 EF-7 EST-2	

SYSTEM TITLE WASTE DISPOSAL-LIQUID

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

CHART TITLE F-503189

TABLE I
TESTS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
CV-4-4659B	3/4	DIAPH	A/O	2	A	A	NO	FC	YES	3 3 3 1	EF-1 EF-7 EST-2 SLT-1	
CV-4-4668A	3	DIAPH	A/O	2	B	A	NO	FC	YES	3 3 3	EF-1 EF-7 EST-2	
4-4661A	2	CHECK	SA	2	C	A	NC	--	NO	3	EF-1	
4-4661B	2	CHECK	SA	2	C	A	NC	--	NO	3	EF-1	

SYSTEM TITLE WASTE DISPOSAL-LIQUID

CHART TITLE F-503189

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE I
TESTS TO CODE

PTP-4

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
4-50-311	24	CHECK	SA	3	C	A	NO	--	NO	3	EF-1	
4-50-321	24	CHECK	SA	3	C	A	NO	--	NO	3	EF-1	
4-50-331	24	CHECK	SA	3	C	A	NO	--	NO	3	EF-1	
CV-4-2202	30	BUTFY	A/O	3	B	A	NO	FO	NO	2 2	EF-2 EF-8	
4-50-307	36	BUTFY	MAN	3	B	A	NO	FAI	NO	2	EF-2	
4-50-309	36	BUTFY	MAN	3	B	A	NO	FAI	NO	2	EF-2	
4-50-406	24	BUTFY	MAN	3	B	A	NC	FAI	NO	2	EF-2	

SYSTEM TITLE INTAKE COOL. WATER

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

CHART TITLE F-502031

TABLE I
TESTS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
LCV-4-115B	4	BUTFY	A/O	2	B	A	NC	FC	YES	2 2 2	EF-2 EF-8 EST-3	
RV-4-257	2	NOZL	SA	2	C	A	NC	--	NO	1	TF-1	
RV-4-203	2	NOZL	SA	3	C	A	NC	--	NO	1	TF-1	
RV-4-209	2	NOZL	SA	2	C	A	NC	--	NO	1	TF-1	
RV-4-382	2	NOZL	SA	2	C	A	NC	--	NO	1	TF-1	
4-263	1	CHECK	SA	2	C	A	NC	--	NO	2	EF-2	
4-275A	3/4	DIAPH	MAN	2	E	P	LO	FAI	NO	1	OC-1	
4-275B	3/4	DIAPH	MAN	2	E	P	LO	FAI	NO	1	OC-1	
4-275C	3/4	DIAPH	MAN	2	E	P	LO	FAI	NO	1	OC-1	

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

PROGRAM TITLE: VALVE TEST PROGRAM

APR 5 1978

TABLE I
TESTS TO CODE

CHART TITLE: F-503184

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
332	2	DIAPH	MAN	3	E	P	LO	FAI	NO	1	OC-1	
378	2	DIAPH	MAN	3	E	P	LO	FAI	NO	1	OC-1	
379	2	DIAPH	MAN	3	E	P	LO	FAI	NO	1	OC-1	
399	2	DIAPH	MAN	3	E	P	LO	FAI	No	1	OC-1	
336	2	DIAPH	MAN	3	E	P	LC	FAI	NO	1	OC-1	
337	2	DIAPH	MAN	3	E	P	LC	FAI	NO	1	OC-1	
394	2	DIAPH	MAN	3	E	P	LC	FAI	NO	1	OC-1	
395	2	DIAPH	MAN	3	E	P	LC	FAI	NO	1	OC-1	
329	3/4	DIAPH	MAN	3	E	P	LO	FAI	NO	1	OC-1	
344	3/4	DIAPH	MAN	3	E	P	LO	FAI	NO	1	OC-1	
370	3/4	DIAPH	MAN	3	E	P	LO	FAI	NO	1	OC-1	
4-232B	2	DIAPH	MAN	3	E	P	LC	FAI	NO	1	OC-1	
4-232C	2	DIAPH	MAN	3	E	P	LC	FAI	NO	1	OC-1	
4-246	2	DIAPH	MAN	3	E	P	LC	FAI	NO	1	OC-1	

SYSTEM TITLE CHEM. VOL. CONT. (CVCS)

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE I
TESTS TO CODE

CHART TITLE F-503184

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
LCV-4-460	2	PLUG	A/O	1	B	A	NO	FO	YES	2 2 2	EF-2 EF-8 EST-3	
CV-4-200A	2	PLUG	A/O	1	A	A	NC	FC	YES	2 2 2 1	EF-2 EF-8 EST-2 SLT-1	
CV-4-200B	2	PLUG	A/O	1	A	A	NC	FC	YES	2 2 2 1	EF-2 EF-8 EST-2 SLT-1	
CV-4-200C	2	PLUG	A/O	1	A	A	NO	FC	YES	2 2 2 1	EF-2 EF-8 EST-2 SLT-1	
CV-4-204	2	PLUG	A/O	2	A	A	NO	FC	YES	2 2 2 1	EF-2 EF-8 EST-2 SLT-1	
4-205B	2	GLOBE	MAN	3	B	A	NC	FAI	NO	2	EF-2	

SYSTEM TITLE CHEM. VOL. CONT. (CVCS)

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE I
TESTS TO CODE

CHART TITLE F-503184

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
CV-4-303C	2	PLUG	A/O	1	B	A	NO	FO	YES	2 2 2	EF-2 EF-8 EST-3	
CV-4-307	3/4	GLOBE	A/O	1	B	A	NC	FC	YES	2 2 2	EF-2 EF-8 EST-2	
CV-4-387	3/4	PLUG	A/O	1	B	A	NC	FC	YES	2 2 2	EF-2 EF-8 EST-3	
HCV-4-137	3/4	PLUG	A/O	2	B	A	NC	FC	NO	2 2	EF-2 EF-8	
4-356	1	DIAPH	MAN	2	E	P	LC	FAI	NO	1	OC-1	
TCV-4-143	3	3-WAY	A/O	3	B	A	NO	*FAIL TO VCT	YES	3 3 3	EF-1 EF-7 EST-3	*Normal Failure Mode is to Volume Control Tank (VCT).

SYSTEM TITLE CHEM. VOL. CONT. (CVCS)

CHART TITLE F-503184

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE I
TESTS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
FCV-4-605	12	BFLY	A/O	2	B	A	NC	FC	NO	2 2	EF2 EF8	
4-757C	10	GATE	MAN	2	B	A	NC	FAI	NO	2	EF2	
4-757D	10	GATE	MAN	2	B	A	NC	FAI	NO	2	EF2	
4-760	2	PLUG	MAN	2	E	P	LO	FAI	NO	1	OC1	
4-753A	10	CHECK	SA	2	C	A	NC	--	NO	3	EF1	
4-753B	10	CHECK	SA	2	C	A'	NC	--	NO	3	EF1	
RV-4-706	2	RELIEF	SA	2	C	A	NC	--	NO	1	TF1	
HCV-4-758	12	BFLY	AO	2	E	P	LO	FO	NO	1	OC1	
4-741A	2	GLOBE	MAN	2	E	P	LO	FAI	NO	1	OC1	
4-741B	2	GLOBE	MAN	2	E	P	LO	FAI	NO	1	OC1	
4-734	6	GATE	MAN	2	E	P	LC	FAI	NO	1	OC1	

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

PROGRAM TITLE VALVE TEST PROGRAM APR 5 1978

CHART TITLE F-503194

TABLE I
TESTS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
4-752A	14	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	
4-752B	14	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	
4-754A	10	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	
4-754B	10	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	
4-757A	10	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	
4-757B	10	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	
4-771E	3/8	GLOBE	MAN	2	E	P	LO	FAI	NO	1	OC-1	
4-771F	3/8	GLOBE	MAN	2	E	P	LO	FAI	NO	1	OC-1	
4-759A	10	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	
4-759B	10	GATE	MAN	2	E	P	LO	FAI	NO	1	OC-1	

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

CHART TITLE F-503194

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE I
TESTS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
HV-4-2	2	DIAPH	MAN	2	AE	P	LC	FAI	NO	1 1	OC-1 SLT-1	
HV-4-4	2	DIAPH	MAN	2	AE	P	LC	FAI	NO	1 1	OC-1 SLT-1	
POV-4-2600	48	BFLY	AO	2	A	P	NC	FC	YES	1	SLT-1	
POV-4-2601	48	BFLY	AO	2	A	P	NC	FC	YES	1	SLT-1	
POV-4-2602	54	BFLY	AO	2	A	P	NC	FC	YES	1	SLT-1	
POV-4-2603	54	BFLY	AO	2	A	P	NC	FC	YES	1	SLT-1	
CV-4-2819	2	PLUG	AO	2	A	A	NO	FC	YES	3 3 3 1	EF-1 EF-7 EST-3 SLT-1	
CV-4-2826	2	PLUG	AO	2	A	A	NO	FC	YES	3 3 3 1	EF-1 EF-7 EST-3 SLT-1	
SV-4-2912	1	PLUG	SO	2	A	A	NO	FC	YES	3 3 3 1	EF-1 EF-7 EST-3 SLT-1	

SYSTEM TITLE CONTAINMENT VENTILATION

PROGRAM TITLE VALVE TEST PROGRAM APR 5 1978

CHART TITLE F-502037

TABLE I
TESTS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
SV-4-2913	1	PLUG	SO	2	B	A	NO	FC	YES	3 3 3	EF-1 EF-7 EST-3	
HV-4-1	2	DIAPH	MAN	2	E	P	LC	FAI	NO	1	OC-1	
HV-4-3	2	DIAPH	MAN	2	E	P	LC	FAI	NO	1	OC-1	
SV-4-2911	1	PLUG	SO	2	A	A	NO	FC	YES	3 3 3 1	EF-1 EF-7 EST-3 SLT-1	

SYSTEM TITLE: CONTAINMENT VENTILATION

PROGRAM TITLE: VALVE TEST PROGRAM

APR 5 1978

CHART TITLE: F-502037

TABLE I
TESTS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
CV-4-956B	3/8	GLOBE	A/O	2	A	A	NC	FC	YES	2 2 2 1	EF-2 EF-8 EST-2 SLT-1	
CV-4-956C	3/8	GLOBE	A/O	2	A	A	NC	FC	YES	2 2 2 1	EF-2 EF-8 EST-2 SLT-1	
CV-4-956D	3/8	GLOBE	A/O	2	A	A	NC	FC	YES	2 2 2 1	EF-2 EF-8 EST-2 SLT-1	
CV-4-955C	3/8	GLOBE	A/O	2	B	A	NC	FC	YES	2 2 2	EF-2 EF-8 EST-2	
CV-4-955D	3/8	GLOBE	A/O	2	B	A	NC	FC	YES	2 2 2	EF-2 EF-8 EST-2	

SYSTEM TITLE SAMPLING (SS)

CHART TITLE F-503193

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE I
TESTS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
CV-4-955E	3/8	GLOBE	A/O	2	B	A	NC	FC	YES	2 2 2	EF-2 EF-8 EST-2	
CV-4-956A	3/8	GLOBE	A/O	2	A	A	NC	FC	YES	2 2 2 1	EF-2 EF-8 EST-2 SLT-1	
CV-4-951	3/8	GLOBE	A/O	1	B	A	NC	FC	YES	2 2 2	EF-2 EF-8 EST-2	
CV-4-953	3/8	GLOBE	A/O	1	B	A	NC	FC	YES	2 2 2	EF-2 EF-8 EST-2	
CV-4-955A	3/8	GLOBE	A/O	1	B	A	NC	FC	YES	2 2 2	EF-2 EF-8 EST-2	

SYSTEM TITLE SAMPLING (SS)

CHART TITLE F-503193

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE I
TESTS TO CODE

PTP-4

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
CV-4-955B	3/8	GLOBE	A/O	1	B	A	NC	FC	YES	2 2 2	EF-2 EF-8 EST-2	

SYSTEM TITLE SAMPLING (SS)

CHART TITLE F-503193

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE I
TESTS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL-URE MODE	REM. POS. IND.	TEST PER.	ISI TESTS	REMARKS
MOV-4-1411	2	GLOBE	MO	2	B	A	NO	FAI	YES	2 2	EF-2 EST-3	
MOV-4-1412	2	GLOBE	MO	2	B	A	NO	FAI	YES	2 2	EF-2 EST-3	
MOV-4-1425	1	GATE	MO	2	B	A	NO	FAI	YES	2 2	EF-2 EST-3	
MOV-4-1426	1	GATE	MO	2	B	A	NO	FAI	YES	2 2	EF-2 EST-3	
MOV-4-1427	1	GATE	MO	2	B	A	NO	FAI	YES	2 2	EF-2 EST-3	

SYSTEM TITLE CONDENSATE & FEEDWATER

CHART TITLE F-502028

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE I
TESTS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	VALVE NUMBER	VALVE NUMBER	VALVE NUMBER	VALVE NUMBER
706A	761A	771A		
734A	761B	771B	766B	
734B	761D	771C	767A	
741C	761E	771D	766C	
741D	761F	776F	766D	
741E	761G	776H		
745A	762A	843		
745B	762B	889A		
750A	765A	889B		
750B	765B	958		
755A	766A			
755B	766E			
756A	766F			
756B	766G			
756C	767B			
756D	767C			
757F	767D			
	767F			

SYSTEM TITLE AUX. COOL. RES. HEAT REM. (RHR)	PROGRAM TITLE VALVE TEST PROGRAM	APR 5 1978	TABLE III EXEMPTIONS TO CODE
CHART TITLE F-503194			

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	VALVE NUMBER	VALVE NUMBER	VALVE NUMBER	VALVE NUMBER
11-005				
11-006				
11-010				
11-012				
TC-35				
HV-4-5				
HV-4-6				
11-001				
11-002				
11-011				

SYSTEM TITLE CONTAINMENT VENTILATION

CHART TITLE F-502037

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE III
EXEMPTIONS TO CODE

PTP-4

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	VALVE NUMBER	VALVE NUMBER	VALVE NUMBER	VALVE NUMBER
991				
992				
993				
994				
950				
952				
954A				
954B				
954C				
954D				
954E				

SYSTEM TITLE SAMPLING (SS)

CHART TITLE F-503193

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE III
EXEMPTIONS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	VALVE NUMBER	VALVE NUMBER	VALVE NUMBER	VALVE NUMBER
20-132	20-241			
20-133				
20-134		20-345		
	20-245	20-377		
20-141	20-277	20-387		
	20-287	20-388		
	20-288			
20-145	20-305	20-502		
20-177	20-306	20-308		
20-187	20-307	20-311		
20-188	20-332	20-314		
20-232	20-333			
20-233	20-334			
20-234				
	20-341			

SYSTEM TITLE CONDENSATE & FEEDWATER	PROGRAM TITLE VALVE TEST PROGRAM	APR 5 1978	TABLE III EXEMPTIONS TO CODE
CHART TITLE F-502028			

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	VALVE NUMBER	VALVE NUMBER	VALVE NUMBER	VALVE NUMBER
	868A	881J	883T	895J
	868B	881K	883U	
	868C	881L	884A	895L
	868D	881M	884B	895M
850A	868E	882A	884C	895N
850B	868F	882B	884D	895S
850C	873D	882C	884E	
850D	873E	883A	884F	895U
850E	873F	883B		895W
850F	881A	883C		896A
852A	881B	883D	889C	896B
852B	881C	883E	895D	
852C	881D	883F	895E	896D
854A	881E	883G	895F	896G
854B	881F		895G	896H
854C	881G	883N	895H	897C
854D	881H	883S		

SYSTEM TITLE SAFETY INJECTION SYSTEM (SIS)	PROGRAM TITLE VALVE TEST PROGRAM	APR 5 1978	TABLE III EXEMPTIONS TO CODE
CHART TITLE E-503185			

PTP-4

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	VALVE NUMBER	VALVE NUMBER	VALVE NUMBER	VALVE NUMBER
897A	940A		941W	942W
897B	940B	941B	941X	942X
897D	940C	941C	941Y	943A
898A	940D	941D	942A	943B
898B	940E	941E	942E	943C
898C	940G	941F	942F	943D
898D	940H	941G	942G	943E
898J	940J	941H	942H	943F
898K	940K	941J	942J	954C
898L	940L	941K	942K	954D
898M	940M	941L	942L	954E
898R	940N	941M	942M	
898S	940P	941N	942N	
899B	940R	941P	942P	
899C	940T	941R	942R	
899D	940U	941T	942T	
899E	940V	941U	942U	
899F	941A	941V	942V	

SYSTEM TITLE: SAFETY INJECTION SYSTEM (SIS)

CHART TITLE: E-503185

PROGRAM TITLE: VALVE TEST PROGRAM

APR 5 1978

TABLE III
EXEMPTIONS TO CODE

PTP-4

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	VALVE NUMBER	VALVE NUMBER	VALVE NUMBER	VALVE NUMBER
849A	849			
884A	877A			
884B	877B			
	877C			
	877D			
	837			
	883H			
	883J			
	893E			
	893F			
	898N			
949A	898P			
870A				
870B				
883R				

SYSTEM TITLE: SAFETY INJECTION SYSTEM (SIS

CHART TITLE: E-503185

PROGRAM TITLE: VALVE TEST PROGRAM

APR 5 1978

TABLE III
EXEMPTIONS TO CODE

PTP-4

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	VALVE NUMBER	VALVE NUMBER	VALVE NUMBER	VALVE NUMBER
No Table III Valves				

SYSTEM TITLE RE: PRIMARY WATER	PROGRAM TITLE VALVE TEST PROGRAM	APR 5 1978	TABLE III EXEMPTIONS TO CODE
CHART TITLE F-502036			

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	VALVE NUMBER	VALVE NUMBER	VALVE NUMBER	VALVE NUMBER
799A				
916A				
916B				
742				
796				
797				
798A				
819				
820				
805A				

SYSTEM TITLE AUX. COOLANT SPENT FUEL	PROGRAM TITLE VALVE TEST PROGRAM	APR 5 1978	TABLE III EXEMPTIONS TO CODE
CHART TITLE F-503195			

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	VALVE NUMBER	VALVE NUMBER	VALVE NUMBER	VALVE NUMBER
4665A				
4665B				
4666A				
4667A				
4667C				
4668D				
4653T				
4654T				
4663A				
4663B				
4656				

SYSTEM TITLE WASTE DISPOSAL-LIQUID

CHART TITLE F-503189

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE III
EXEMPTIONS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	VALVE NUMBER	VALVE NUMBER	VALVE NUMBER	VALVE NUMBER
50-325	50-310	50-371	50-409	
50-326	50-312	50-380	50-411	
50-345	50-315	50-405	50-314	
50-346	50-322	50-328	50-334	
50-354	50-324	50-407		
50-355	50-329	50-420		
50-356	50-332	50-421		
50-364	50-327	50-304		
50-365	50-335	50-417		
50-366	50-340	50-422		
50-374	50-344	50-423		
50-375	50-349	50-305		
50-376	50-350	50-416		
50-347	50-351	50-424		
50-308	50-360	50-425		
50-348	50-361	50-306		
	50-370	50-415		

SYSTEM TITLE: INTAKE COOL. WATER

CHART TITLE: F-502031

PROGRAM TITLE: VALVE TEST PROGRAM

APR 5 1978

TABLE III
EXEMPTIONS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	VALVE NUMBER	VALVE NUMBER	VALVE NUMBER	VALVE NUMBER
974A	202B		264	
247B	206		368	
260	215A		282A	
975	279A	247A	282B	
259A	279D	215B	282C	
255A	279H	272	282D	
255B	279G	293A	398A	
354	294C	293D	398B	
345	295	293C	398C	
328	298G	293B	398D	
369	298H	308	231B	
343A	298J		245	
	216A		349A	
	216B		204B	
335	216C	353A	306A	
383	223	228B	306B	
202A	225	802B	306C	

SYSTEM TITLE CHEM. VOL. CONT. (CVCS)

CHART TITLE F-503184

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE III
EXEMPTIONS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	VALVE NUMBER	VALVE NUMBER	VALVE NUMBER	VALVE NUMBER
304K	349B	250	321	
304L	349C	253	327	
304M	349D	267	331	380
305A	349E	268		390
305B	349F	269	334	391
305C	349G	270	338	392
317	349H	286	340	393
318	367	287	341	
319A	372	288	342	
319B	384A	289	347	
320B	384B	290	348	309D
320C	388	291	361	974B
330	205A	309A	362	279F
343B	213A	309B	373	222
343C	213B	309C	374	221
343D	224	316	375	
346	249	320	376	
			377	

SYSTEM TITLE CHEM. VOL. CONT. (CVCS)	PROGRAM TITLE VALVE TEST PROGRAM	APR 5 1978	TABLE III EXEMPTIONS TO CODE
CHART TITLE F-503184			

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	VALVE NUMBER	VALVE NUMBER	VALVE NUMBER	VALVE NUMBER
TC-14	231A	285B	296F	301B
TC-15	251A	285C	299A	301C
120E	251B	285D	299B	301D
120F	252A	285E	299C	301E
120G	252B	285F	299D	301F
201	256	292A	299E	304A
201A	259C	292B	299F	304B
201B	276A	294A	300A	304C
201C	276B	294B	300B	304D
201E	276C	294D	300C	304E
204C	279B	294E	300D	304F
207	279C	294F	300E	304G
208	279E	296A	300F	304H
210	280A	296B	300G	304J
211	280B	296C	300H	
214A	280C	296D	300J	
214B	285A	296E	301A	

SYSTEM TITLE CHEM. VOL. CONT. (CVCS)

CHART TITLE F-503184

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE III
EXEMPTIONS TO CODE

PTP-4

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	VALVE NUMBER	VALVE NUMBER	VALVE NUMBER	VALVE NUMBER
70-001				
70-002				
70-025A				
70-025B				
70-005A				
70-005B				
70-007A				
70-007B				
70-003				
70-008				
70-026A				
70-026B				
20-449A				
20-449B				

SYSTEM TITLE DIESEL OIL

CHART TITLE F-502033

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE III
EXEMPTIONS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	VALVE NUMBER	VALVE NUMBER	VALVE NUMBER	VALVE NUMBER
TC (PENT #34)				
TC (PENT #29)				

SYSTEM TITLE LUBE OIL & INSTR. AIR	PROGRAM TITLE VALVE TEST PROGRAM	APR 5 1978	TABLE III EXEMPTIONS TO CODE
CHART TITLE F-502030			

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	VALVE NUMBER	VALVE NUMBER	VALVE NUMBER	VALVE NUMBER
701A	719A	728C	777A	825B
701B	719B	732	777B	825C
701C	719C	736	780	825D
701G	720A	737B	781A	825E
701H	720B	737C	781B	825F
701K	720C	737D	784	833
711A	723A	737E	785	834
711B	723B	746A	786A	838A
712A	723C	746B	786B	838B
712B	724A	768A	789A	838C
712C	724B	768B	789B	838D
713A	724C	769A	793	838E
713B	727A	769B	795A	626A
713C	727B	772A	795B	626B
718A	727C	772B	795C	626C
718B	728A	772C	795D	626D
718C	723B	776	825A	646E

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

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

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE III
EXEMPTIONS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	VALVE NUMBER	VALVE NUMBER	VALVE NUMBER	VALVE NUMBER
646F	704D	714B	733B	771A
646G	708A	714C	733C	771B
646H	708B	714D	733D	771C
701D	708C	716C	733E	771D
701E	708D	716D	733F	773A
701F	708E	716E	737F	773B
701J	708F	725A	737G	778A
702D	709	725B	737H	778B
702E	710C	725C	737J	782A
702F	712D	726A	739A	782B
703D	712E	726B	739B	838F
703E	712F	726C	739C	838G
703F	713D	730A	740A	838H
703G	713E	730B	740B	838J
703H	713F	730C	743A	838K
704A	713G	730D	743B	838L
704B	713H	730E	746C	838M
704C	714A	733A	746D	838N

SYSTEM TITLE AUX. COOL. COMP. COOL. (ACCC)	PROGRAM TITLE VALVE TEST PROGRAM	APR 5 1978	TABLE III EXEMPTIONS TO CODE
CHART TITLE F-503187, E-503188, F-502036			

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	VALVE NUMBER	VALVE NUMBER	VALVE NUMBER	VALVE NUMBER
838P	839A	10-654	10-671	
838R	839B	10-655	10-672	
838S	746G	10-656	10-870	
748A	746E	10-657	10-871	
748B	746F	10-658	10-872	
703A	746H	10-659	10-873	
703B	705A	10-660		
703C	705B	10-661		
705	704C	10-662		
713J	705G	10-663		
709A	705H	10-664		
709B	722B	10-665		
709C	722C	10-666		
772	10-650	10-667		
781	10-651	10-668		
777	10-652	10-669		
775	10-653	10-670		

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

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

PROGRAM TITLE VALVE TEST PROGRAM

APR 5 1978

TABLE III
EXEMPTIONS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	VALVE NUMBER	VALVE NUMBER	VALVE NUMBER	VALVE NUMBER
500	514A	561C	552	559C
501	514B	562A	554A	560A
502	514C	562B	554B	560B
503	515A	562C	554C	560C
504A	515B	563A	555A	550
504B	517A	563B	555B	
504C	517B	563C	555C	
505A	531	564A	556A	
505B	532	564B	556B	
508A	533	564C	556C	
508B	534	565A	557A	
509	537	565B	557B	
510A	538	565C	557C	
510B	545	566A	558A	
510C	546	566B	558B	
511	547	566C	558C	
512	561A	524	559A	
513	561B	525	559B	

SYSTEM TITLE: REACTOR COOLANT (RCS)

CHART TITLE: F-503191

PROGRAM TITLE: VALVE TEST PROGRAM

APR 5 1978

TABLE III
EXEMPTIONS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	VALVE NUMBER	VALVE NUMBER	VALVE NUMBER	VALVE NUMBER
4641A	4643A			
4641B	4643B			
4641C	4643C			
4641D	4643D			
4641E	4643E			
4641F	4643F			
4636A				
4636B				
4636C				
4636D				
4636E				
4636F				
4642A				
4642B				
4642C				
4642D				
4642E				
4642F				

SYSTEM TITLE WASTE DISPOSAL - GAS	PROGRAM TITLE VALVE TEST PROGRAM	APR 5 1978	TABLE III EXEMPTIONS TO CODE
CHART TITLE F-503190			

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	VALVE NUMBER	VALVE NUMBER	VALVE NUMBER	VALVE NUMBER
10-100	10-303			
10-101	10-304			
10-103	10-318			
10-104	10-322			
10-105	10-323			
10-141	10-341			
10-142	10-342			
10-143	10-343			
10-200	10-001			
10-201	10-002			
10-203	10-003			
10-204				
10-241	10-90			
10-242	10-91			
10-243				
10-300				
10-301				

SYSTEM TITLE: STEAM SYSTEM

CHART TITLE: F-502027

PROGRAM TITLE: VALVE TEST PROGRAM

APR 5 1978

TABLE III
EXEMPTIONS TO CODE

FLORIDA POWER & LIGHT COMPANY

VALVE NUMBER	VALVE NUMBER	VALVE NUMBER	VALVE NUMBER	VALVE NUMBER
4693A				
4693B				

SYSTEM TITLE: CONT. & RADWASTE DRAINS & VENTS

PROGRAM TITLE: VALVE TEST PROGRAM

APR 5 1978

CHART TITLE: F-502038

TABLE III
EXEMPTIONS TO CODE

FLORIDA POWER & LIGHT COMPANY

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

PROGRAM TITLE PUMP TEST PROGRAM

TABLE IV

APR 5 1978

FLORIDA POWER & LIGHT COMPANY

PUMP	PUMP NO.	TEST PARAMETERS					
		Speed, N	Inlet Pressure, P_i	Differential Pressure, ΔP	Flow Rate, Q	Vibration Amplitude, V	Bearing Temperature, T_b (1)
High Head Safety Injection	4-P215A	No	Yes	Yes	No(2)	Yes	Yes
	4-P215B	No	Yes	Yes	No(2)	Yes	Yes

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

NOTE (2): FIXED HYD. RESISTANCE SYSTEM

NOTE (3): VARIABLE HYD. RESISTANCE SYSTEM

PROGRAM TITLE: PUMP TEST PROGRAM

TABLE IV

APR 5 1978

FLORIDA POWER & LIGHT COMPANY

PENE. NO.	VALVE NUMBER	LEAKAGE CC/MIN	PENE. NO.	VALVE NUMBER	LEAKAGE CC/MIN	PENE. NO.	VALVE NUMBER	LEAKAGE CC/MIN
1	MOV-4-751	10,000						
						20	CV-4-956C	1,000
			14	CV-4-200A	1,000			
5	CV-4-516	500	14	CV-4-200B	1,000			
			14	CV-4-200C	1,000	23	CV-4-2821	2,000
6	CK-4-518	2,500	14	CV-4-204	1,000	23	CV-4-2822	2,000
7	CV-4-519A	2,000	15	HCV-4-121	2,000	24A	4-297A	1,000
			15	4-333	2,000	24A	CK-4-298A	2,000
8	CV-4-956A	1,000	15	CK-4-312C	4,000	24B	4-297B	1,000
			16	HV-4-2	1,000	24B	CK-4-298B	2,000
9	CV-4-956B	1,000	17	4-895V	500	24C	4-297C	1,000
						24C	CK-4-298C	2,000
10	CV-4-4658B	500				25	MOV-4-381	2,000
10	PCV-4-1014	2,000	18	MOV-4-869	2,000			
			19A	MOV-4-880A	5,000	29	CV-4-2803	2,000
			19B	MOV-4-880B	5,000	29	CK-4-336	4,000

SYSTEM TITLE: VARIOUS

PROGRAM TITLE: VALVE TEST PROGRAM

APR 5 1978

CHART TITLE: VARIOUS

REV. # | DATE | DATE

TABLE I.A
VALVE LEAKAGE RATES

FLORIDA POWER & LIGHT COMPANY

PENE. NO.	VALVE NUMBER	LEAKAGE CC/MIN	PENE. NO.	VALVE NUMBER	LEAKAGE CC/MIN	PENE. NO.	VALVE NUMBER	LEAKAGE CC/MIN
31	CV-4-4659B	500	54A	MOV-4-861A	7,000			
32	CK-4-11-003	2,000						
32	SV-4-2912	2,000	54B	MOV-4-861B	7,000			
33	SV-4-2911	2,000						
34	4-203	1,000						
35	POV-4-2600	15,000						
35	POV-4-2601	15,000	55	CV-4-956D	1,000			
36	POV-4-2602	15,000	58	CK-4-873A	2,000			
36	POV-4-2603	15,000	59	CK-4-873B	2,000			
42	CV-4-855	500	60	CK-4-873C	2,000			
			58 59	MOV-4-843A	2,000			
47	CK-4-10-567	4,000	60					
47	4-10-00L	4,000	58 59	MOV-4-843B	2,000			
			60					
52	CV-4-4668B	2,000	63	CV-4-2819	2,000			
51	HV-4-4	1,000	63	CV-4-2826	2,000			

SYSTEM TITLE VARIOUS	PROGRAM TITLE VALVE TEST PROGRAM	APR 5 1978	TABLE I.A VALVE LEAKAGE RATES
CHART TITLE VARIOUS	REV.# / DATE	DATE	

STATE OF FLORIDA)
) ss.
COUNTY OF DADE)

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

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

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

Robert E. Uhrig

Robert E. Uhrig

Subscribed and sworn to before me this

6th day of April, 1978

Lois I. Marino

NOTARY PUBLIC, in and for the County of Dade, State of Florida

My commission expires: NOTARY PUBLIC STATE OF FLORIDA at LARGE MY COMMISSION EXPIRES AUGUST 24, 1981 BONDED THRU MAYNARD BONDING AGENCY