

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

W. L. STEWART
VICE PRESIDENT
NUCLEAR OPERATIONS

February 2, 1984

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
Attn: Mr. James R. Miller, Chief
Operating Reactors Branch No. 3
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Serial No. 487D
NO/JHL:jab
Docket Nos. 50-338
50-339
License Nos. NPF-4
NPF-7

Gentlemen:

VIRGINIA ELECTRIC AND POWER COMPANY
NORTH ANNA POWER STATION UNIT NOS. 1 AND 2
INSERVICE TESTING OF PUMPS AND VALVES

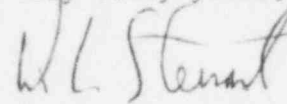
In our letter dated October 5, 1983 (Serial No. 487B), we transmitted the Inservice Testing Programs for Pumps and Valves for North Anna Power Station Unit Nos. 1 and 2. The enclosures to this letter revise and clarify our previous submittal.

The changes made by this revision include additional information to clarify our previous relief requests and to provide the applicable test frequency for certain check valves. Certain check valves should be tested during cold shutdown but not more often than every nine months. This would remain consistent with ASME Section XI, 1974 Edition with Summer 1975 Addenda. Each revision to the Valve Inservice Test Table is marked with a revision number of 02. Enclosure 1 provides the revisions to the Inservice Testing Program for Pumps and Valves for North Anna Unit No. 1. Enclosure 2 provides the revisions to the Inservice Testing Program for Pumps and Valves for North Anna Unit No. 2.

Vepco intends to implement these revised Inservice Testing Programs for Pumps and Valves, for North Anna Unit Nos. 1 and 2, by March 1, 1984, and this will govern the remainder of the inservice inspection interval.

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PDR ADOCK 05000338
P PDR

Very truly yours,



W. L. Stewart

Enclosures

cc: Mr. James P. O'Reilly
Regional Administrator
Region II

Mr. M. W. Branch
NRC Resident Inspector
North Anna Power Station

A047
1/1

ENCLOSURE 1

1-SW-P-4 Auxiliary Service Water Pump
Drawing: 11715-FM-78A

Function: Provide make up to the Service Water Reservoir and can be used as the normal supply to the Service Water system.

1-SW-P-5 Service Water Radiation
1-SW-P-6 Monitoring Pumps
1-SW-P-7 Drawing 11715-FM-78B
1-SW-P-8

Function: Monitor Service Water flow through the Recirculation Spray heat exchanges for the presence of radioactive materials.

2.5 PUMP INSERVICE TEST TABLE

The Pump Test Table identifies the pumps to be tested in accordance with ASME Section VI. The following information is provided for each pump; ASME Code Class, test quantities to be measured, test frequency, and relief requests if required. The following is a brief explanation of the abbreviations used on the Pump Test Table.

Var. - Variable Resistance System

Fixed - Fixed Resistance System

Q - Quarterly Test Frequency

CS - Cold Shutdown Test Frequency (Not more frequently than quarterly)

A - Annual Test Frequency

N/A - Not applicable or impractical, relief requests will explain in detail

RELIEF REQUEST #5

PUMPS

1-RH-P-1A

1-RH-P-1B

SECTION XI REQUIREMENTS FOR WHICH RELIEF IS REQUESTED

None.

BASIS FOR RELIEF REQUEST

These pumps are not engineered safety feature pumps and do not serve a safety function. However, IWP data will be taken each cold shutdown but not more frequently than quarterly, in an effort to evaluate pump degradation.

ALTERNATE TESTING

None.

VALVE INSERVICE TEST PROGRAM

3.1 PROGRAM DEVELOPMENT PHILOSOPHY

The North Anna Unit 1 Valve Inservice Test Program has been established to meet the requirements of the 10 CFR 50, Section XI of the ASME Boiler and Pressure Vessel Code, Subsection IWV and Technical Specifications.

North Anna Unit 1 Technical Specification 4.0.5 states, "Inservice Testing of ASME Code Class 1, 2 and 3 valves shall be performed in accordance with Section XI of the ASME Boiler and Pressure Vessel Code and applicable addenda as required by 10 CFR 50, Section 50.55 a(g), except where specific written relief has been granted by the Commission pursuant to 10 CFR 50, Section 50.55 a(g)(6)(i)."

10 CFR 50, Section 50.55a(g)(4)(i) states, "Inservice tests to verify operational readiness of pumps and valves whose function is safety, shall comply with the requirements in the latest edition and addenda of the code [ASME Section XI] incorporated on the date 12 months prior to the date issuance of the operating license." Based on an operating license date of November 26, 1977 for Unit 1 the 1974 Edition of the Code with addenda through Summer 1975 are applicable to both Units.

Subsection IWV of ASME Section XI defines the rules and requirements of inservice testing of Code Class 1,2, and 3 valves "Each specific valve to be tested by the rules of this subsection shall be identified by the owner and listed in the plant records."

The purpose of the IWV program is to identify the valves that are considered by Vepco as having a safety function and are therefore subject to the testing requirements of ASME Boiler and Pressure Vessel Code, 1974 Edition with addenda through summer 1975 Section XI, Subsection IWV. The intent of the code is to assess operational readiness and detect potentially adverse changes in the mechanical condition of these valves. The relief requests for the Valve Inservice Test Program identify code requirements considered to be impractical, provide technical basis for the request and propose alternate testing when warranted.

One reason for requesting relief from the ASME Section XI testing requirements for exercising check valves to the closed position is that the logistics of performing such tests do not justify the small increase in safety gained by performing these tests during short cold shutdowns. In order to verify a check valve closes, a leak rate test must be performed. In order to perform a leak rate test, systems must be removed from service. Many systems are still required during short cold shutdowns and can not be removed from service. Lines must also be drained or vented. The contents of the lines are often radioactive and require processing before being disposed of. Draining and venting lines significantly increases the amount of rad-waste produced by the plant.

An extended containment entry is required to perform leak rate tests. During short cold shutdowns, the concentrations of radioactive isotopes, (Iodine-131, Xenon-133, etc) are high because the isotopes do not have sufficient time to decay. Entering containment under these conditions requires respirators or air packs to be worn. Working under these conditions is difficult and significantly increases the chances of internal contamination.

For the above reasons all check valves inside containment with the exception of those check valves listed in T.S. 4.4.6.2.2 shall be exercised to the closed position each refueling.

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Leak rate testing is performed in accordance with 10 CFR 50, Appendix J which impose specific requirements.

The actual stroke times of a number of solenoid operated valves and trip valves at North Anna are less than two seconds. These valves are required to close in 60 seconds by Technical Specifications or have no maximum allowable time given in the Technical Specifications. The percentage of error when measuring the stroke times of these valves is large because it is not possible for a person to accurately time a valve which strokes in less than two seconds.

Exception is taken from the requirements of IWV-3410(c)(3) for valves meeting the above description. When calculating delta stroke times for these valves, stroke times of less than two seconds will be rounded up to two seconds.

3.2 PROGRAM IMPLEMENTATION

The Valve Test Program will be executed as part of the normal plant surveillance program which is implemented by periodic tests.

The Operability Tests will verify:

- 1) The valve responds to control commands.
- 2) The valve stroke time is within specific limits.
- 3) Remote valve position indication accurately reflects the valve position. Remote valve position indication will be verified every two years for those valves inaccessible during plant operation.
- 4) The valve stroke time has not increased by more than the delta stroke time requirements of IWV-3410 (C)(3).

Fail safe valves will be tested by observing the valve operation upon loss of actuating power. In most cases, this can be accomplished using normal control circuits.

The following clarification shall apply to those valves which are scheduled to be exercised during cold shutdown:

Valve testing shall commence not later than 48 hours after reaching cold shutdown and continue until complete or unit is ready to return to power, whichever occurs first. When plant conditions cannot accomodate cold shutdown tests (i.e. maintaining containment vacuum, unable to secure a pump), testing will be performed during the next cold shutdown that permits access to the component. Completion of all valve testing is not a prerequisite for plant start-up. Any testing not completed at one cold shutdown should be performed during the subsequent scheduled cold shutdowns to meet the code specified testing frequency. In case of frequent cold shutdowns valves will not be exercised more often than once every three months.

Safety and Relief valve setpoints are tested in accordance with ASME PTC-25.2-1966 as directed by IWV-3510.

3.3 PROGRAM ADMINISTRATION

The Engineering staff at North Anna is responsible for the administration of the Valve Inservice Test Program. The Operations staff is responsible for performing the periodic tests required by ASME Section XI. The Valve Inservice Test Program is implemented by Station Administrative Procedure 11.3 "IWP/IWV Evaluation" and Periodic Test Procedures.

This program will be officially implemented by March 1, 1984 and will govern valve testing for the remainder of the Unit 1 120 month interval which ends June 6, 1988. The program will be updated as required by the addition of new valves, relief requests, etc. Prior to the end of the 120 month interval, the program will be reviewed and upgraded to assure continued compliance with 10 CFR 50.55a(g)(4) for the second 120 month inspection interval.

3.4 VALVE INSERVICE TEST TABLE

The Valve Test Table provides a list of North Anna Unit 1 ASME Section XI valves and their testing requirements. The following is a brief explanation of the table headings and abbreviations.

Valve Mark Number - Each valve has a unique identification number.

System - The system to which the equipment belongs.

Valve Size/Type - The valve size in inches and the type of valve. Some abbreviations are used for valve type which are explained below.

AO - air operated

SO - solenoid operated

DIA - diaphragm

MO - motor operated

MAN - manual

BFLY - butterfly

Valve Function - A brief description of the function of the valve.

ASME Class - ASME code class of each valve.

ASME XI IWV Category - Categories as defined by ASME Section XI, Subsection IWV, 1974 Edition Summer 75. Categories determine test requirements.

Test Frequency - The valve test frequency is listed in months. Some clarification is provided below

03 - Every 3 months

C3 - Every cold shutdown but not more often than every 3 months

C9 - Every cold shutdown but not more often than every 9 months

24 - Every refueling not to exceed 24 months

NR - Not required per IWV - 3300 or Technical Specification containment isolation leak tests

°° - Not applicable

P&ID Number/Location - Process and Instrument Drawing Number and the specific coordinates of valve location

Comments - Comments include revision number and will note if relief is requested for that valve. Revision number is based on the North Anna Unit 1 October 6, 1981 submittal. A revision number of 01 indicates that there has been a revision of IWV class or testing requirements since the October 1981 submittal. A revision number of 02 indicates that there has been a revision since the October 1983 submittal.

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IWV RELIEF REQUEST

System: Component Cooling

Valve (s) :	1-CC-84	1-CC-193	1-CC-546
	1-CC-119	1-CC-198	1-CC-559
	1-CC-154		1-CC-572

Relief Requested: Exemption from 3 month Full/Partial Stroke Requirements

Relief Justification:

These check valves must seat upon reversal of flow in order to fulfill their safety functions. The only method to verify this actuation is to perform a leak rate/back pressure test. Since the valves are located inside containment and/or their systems are required during power operation, they cannot be tested every three months. 1-CC-193 and 1-CC-198 are check valves in the component cooling lines to the RHR heat exchangers. These lines can not be drained because the RHR system is needed during cold shutdown to control the RCS temperature. 1-CC-546, 559, and 572 are check valves in the component cooling lines to the cooling coils inside containment. These lines can not be drained during short cold shutdowns because the cooling coils are needed to control containment temperature. They will be exercised only during refueling outages because the logistics of draining lines and performing leak rate tests do not justify the small increase in safety gained by testing during cold shutdown.

Alternate Testing: Exercise for operability each Refueling Shutdown (not to exceed twenty-four months)

I WV RELIEF REQUEST

System: Chemical & Volume Control System

Valve (s) : 1-CH-322 1-CH-402
 1-CH-330

Relief Requested: Exemption from 3 month Full/Partial Stroke Requirements

Relief Justification:

These check valves must seat upon reversal of flow in order to fulfill their safety functions. The only method to verify this actuation is to perform a leak rate/back pressure test. Since the valves are located inside containment and/or their systems are required during power operation, they cannot be tested every three months. 1-CH-322 is the check valve in the normal charging line to the RCS. These lines can not be drained during short cold shutdowns because charging flow is often maintained. 1-CH-402 is the check valve in the RCP seal water return line. Seal flow is used during cold shutdowns to reduce RCS leakage and float the RCP seals. They will be exercised only during refueling outages because the logistics of draining lines and performing leak rate tests do not justify the small increase in safety gained by testing during cold shutdown.

Alternate Testing: Exercise for operability every Refueling Shutdown
(not to exceed twenty-four months)

IWV RELIEF REQUEST

System: Chemical and Volume Control System

Valve (s) : FCV-1160

Relief Requested: Exemption from 3 month Full/Partial Stroke
Requirements

Relief Justification:

This valve is a normally closed containment isolation valve. This valve is controlled by a demand controller and must be observed locally for proper operation. This valve is located in the penetration area of the auxiliary building which is a radiation area and a contaminated area. Exercising this valve from its safety position and the risk to personnel required to test this valve does not justify the small increase in safety gained by testing it every 3 months.

Alternate Testing: Exercise during cold shutdown
(but not more frequently than once per three months)

IWV RELIEF REQUEST

System: Chemical and Volume Control System

Valve(s): HCV-1142

Relief Requested: Exemption from 3 month Full/Partial Stroke
Requirements

Relief Justification:

The position of this valve is determined by a demand controller. This valve must be observed locally to verify proper valve operation. This valve is located inside containment. Since the valves are located inside containment, they can not be tested every three months.

Alternate Testing: Exercise during cold shutdown (but not more frequently than once per 3 months)

IWV RELIEF REQUEST

System: Chemical And Volume Control System

Valve(s): FCV-1160 HCV-1142

Relief Requested: Exemption from the stroke time measurement and comparison requirements of IWV-3410 (c)

Relief Justification:

Valves with demand controllers that control valve operation (instead of open and closed push buttons and indicator lights) will be exercised to the position required to fulfill their function and not stroke timed.

The stroke time of a valve with a demand controller is dependent on how fast the control knob can be manually turned. Valve stroke times depend on how fast the control knob can be manually turned and not on actual valve performance. For this reason recording and comparing valve stroke times per subsection IWV of ASME Section XI will not accurately reflect valve performance.

Alternate Testing: Valves will be exercised to the position required to fulfill their function but not stroke timed.

1WV RELIEF REQUEST

System: Fire Protection

Valve (s) : 1-FP-272

Relief Requested: Exemption from 3 month Full/Partial Stroke
Requirements

Relief Justification:

This check valve must seat upon reversal of flow in order to fulfill its safety function. The only method to verify this actuation is to perform a leak rate/back pressure test. Since the valve is located inside containment it cannot be tested every three months. 1-FP-272 is the check valve in the containment fire protection system. Testing this valve will make the fire protection system inoperable. This would make fighting a fire inside containment difficult. It will be exercised only during refueling outages because the logistics of draining lines and performing a leak rate test do not justify the small increase in safety gained by testing during cold shutdown.

Alternate Testing: Exercise for operability every Refueling Shutdown
(not to exceed twenty-four months)

I WV RELIEF REQUEST

System: Feedwater

Valve (s) : 1-FW-47
1-FW-79
1-FW-111

Relief Requested: Exemption from 3 month Full/Partial Stroke Requirements

Relief Justification:

These check valves must seat upon reversal of flow in order to fulfill their safety functions. The only method to verify this actuation is to perform a back pressure test. Since the valve must be open to sustain power operation, they cannot be tested every three months. They will be exercised during cold shutdown but not more often than nine months.

Alternate Testing: Exercise for operability each Cold Shutdown
(but not more frequently than once per nine months)

IWV RELIEF REQUEST

System: Feedwater

Valve(s): HCV-FW-100C

Relief Requested: Exemption from the stroke time measurement and comparison requirements of IWV-3410 (c)

Relief Justification:

Valves with demand controllers that control valve operation (instead of open and closed push buttons and indicator lights) will be exercised to the position required to fulfill their function and not stroke timed.

The stroke time of a valve with a demand controller is dependent on how fast the control knob can be manually turned. Valve stroke times depend on how fast the control knob can be manually turned and not on actual valve performance. For this reason recording and comparing valve stroke times per subsection IWV of ASME Section XI will not accurately reflect valve performance.

Alternate Testing: Valves will be exercised to the position required to fulfill their function but not stroke timed.

IWV RELIEF REQUEST

System: Instrument Air

Valve (s) : 1-IA-057
1-IA-149

Relief Requested: Exemption from 3 month Full/Partial Stroke Requirements

Relief Justification:

These check valves must seat upon reversal of flow in order to fulfill their safety functions. The only method to verify this actuation is to perform a leak rate test. Since the valves are located inside containment, they cannot be tested every three months. 1-IA-55 is the check valve in the instrument air supply line to containment. Testing this valve renders the instruments and components supplied by instrument air inside containment inoperable. 1-IA-149 is the check valve in the containment radiation monitoring system. Testing this valve will make the system inoperable making increasing radiation or particulate levels in containment difficult to detect. They will be exercised only during refueling outages because the logistics of performing leak rate tests do not justify the small increase in safety gained by testing during cold shutdown.

Alternate Testing: Exercise for operability each Refueling Shutdown
(not to exceed twenty-four months)

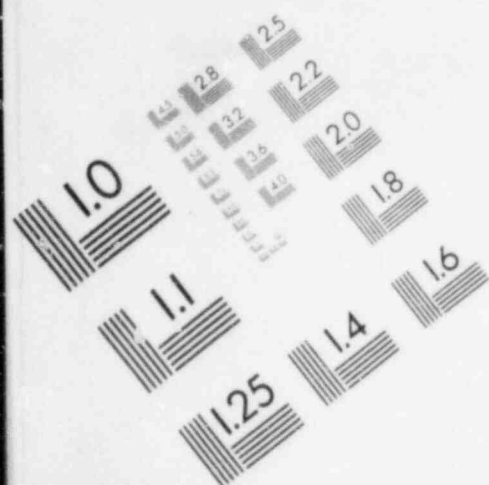
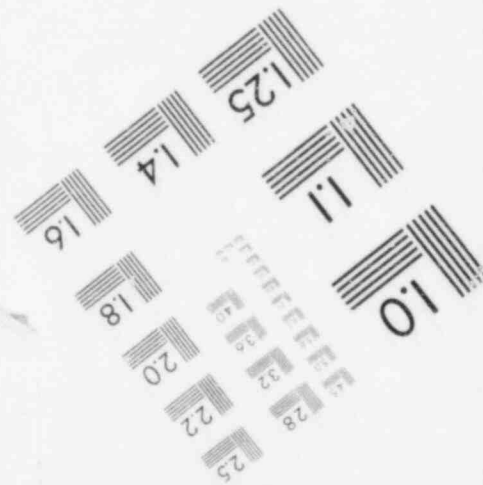
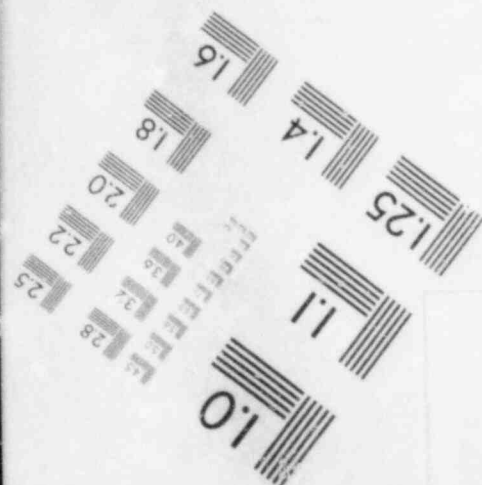
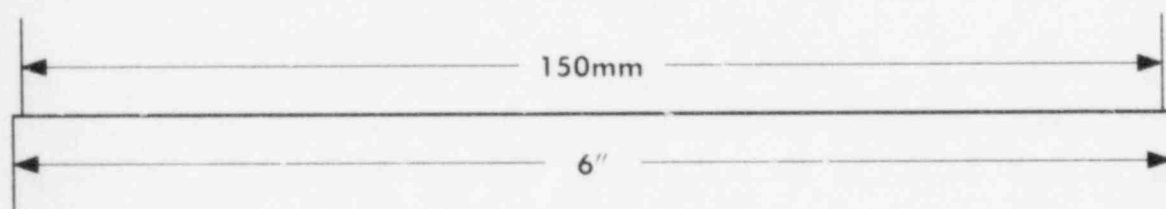
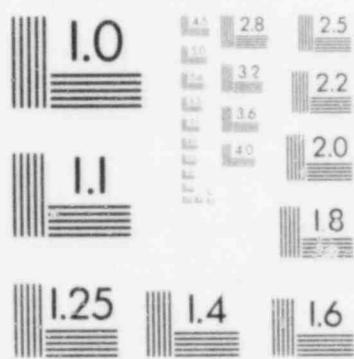
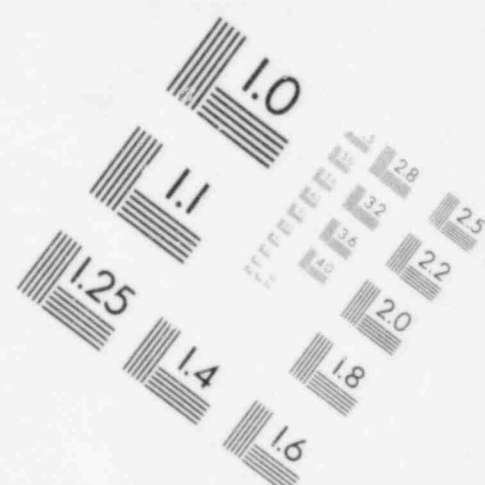


IMAGE EVALUATION TEST TARGET (MT-3)



IWV RELIEF REQUEST

System: Main Steam

Valve (s) : NRV-MS-101 A,B,C

Relief Requested: Exemption from 3 month Full/Partial Stroke
Requirements

Relief Justification:

These valves are in positions required to sustain power operation.
Exercising these valves would result in a reactor trip.

Alternate Testing: Exercise for operability during Cold Shutdown (but
not more frequently than once per three months)

IWV RELIEF REQUEST

System: Main Steam

Valve (s) : TV-MS-101 A,B,C

Relief Requested: Exemption from 3 month Full/Partial Stroke
Requirements, delta stroke time requirements of
IWV-3410 (c)

Relief Justification:

These valves are in positions required to sustain power operation. Exercising these valves would result in a reactor trip. Comparing valve stroke times as required by IWV-3410 (c) (3) does not detect the degradation of TV-MS-101A,B,C. These valves are tested under varying system conditions because system conditions are difficult to duplicate. A small difference in system conditions will significantly affect valve stroke time. Changes in valve stroke time are the result of differing system conditions and not degradation in valve performance. For this reason, valve stroke times will not be compared.

Alternate Testing: Exercise for operability during Cold Shutdown (but not more frequently than once per three months)

IWV RELIEF REQUEST

System: Quench Spray

Valve (s) : 1-QS-11
 1-QS-19

Relief Requested: Exemption from 3 month Full/Partial Stroke
 Requirements

Relief Justification:

These check valves must seat upon reversal of flow and open to perform their safety function. These weight loaded check valves are located inside containment and are therefore not accessible for exercising during power operation. These valves will be exercised to the open and closed position manually during cold shutdown but not more frequently than once per nine months.

Alternate Testing: These valves will be manually exercised during cold shutdown (but not more frequently than once per nine months) *

* Weight loaded check valve setpoint check will be performed every 18 months in accordance with Technical Specifications (T.S. 4.6.3.2.2d).

IWV RELIEF REQUEST

System: Reactor Coolant

Valve (s) : 1-RC-149

Relief Requested: Exemption from 3 month Full/Partial Stroke
Requirements

Relief Justification:

This check valve must seat upon reversal of flow in order to fulfill its safety function. The only method to verify this actuation is to perform a leak rate test. Since the valve is located inside containment, it cannot be tested every three months. 1-RC-149 is the check valve in the primary grade water to the pressurizer relief tank and the #2 seal stand pipes. This line can not be drained during short cold shutdowns because the PRT is required during normal cold shutdowns. Standpipe level must be maintained when the RCS is pressurized to control leakage. It will be exercised only during refueling outages because the logistics of draining lines and performing a leak rate test do not justify the small increase in safety gained by testing during cold shutdown.

Alternate Testing: Exercise for operability each Refueling Shutdown
(not to exceed twenty-four months)

IWV RELIEF REQUEST

System: Residual Heat Removal

Valve(s): FCV-1605 HCV-1758

Relief Requested: Exemption from the 3 month Full/Partial Stroke, stroke time measurement, and comparison requirements of IWV-3410 (c)

Relief Justification:

The position of these valves is determined by demand controllers. These valves must be observed locally to verify proper valve operation. These valves are located inside containment. Since the valves are located inside containment, they can not be tested every three months.

Valves with demand controllers that control valve operation (instead of open and closed push buttons and indicator lights) will be exercised to the position required to fulfill their function and not stroke timed.

The stroke time of a valve with a demand controller is dependent on how fast the control knob can be manually turned. Valve stroke times depend on how fast the control knob can be manually turned and not on actual valve performance. For this reason recording and comparing valve stroke times per subsection IWV of ASME Section XI will not accurately reflect valve performance.

Alternate Testing: Valves will be exercised to the position required to fulfill their function, but not stroke timed, during cold shutdown (but not more frequently than once per 3 months).

I WV RELIEF REQUEST

System: Recirculation Spray

Valve (s) : 1-RS-18
1-RS-27

Relief Requested: Exemption from 3 month Full/Partial Stroke Requirements

Relief Justification:

These check valves must seat upon reversal of flow and open to perform their safety function. These weight loaded check valves are located inside containment and are therefore not accessible for exercising during power operation. These valves will be exercised manually to the open and closed position during cold shutdown but not more frequently than once per 9 months.

Alternate Testing: These valves will be manually exercised during cold shutdown (but not more frequently than once per nine months)*

* Weight loaded check valve setpoint check will be performed every 18 months in accordance with Technical Specifications (T.S. 4.6.3.1.2d).

IWV RELIEF REQUEST

System: Recirculation Spray

Valve (s) : 1-RS-123
 1-RS-138

Relief Requested: Exemption from 3 month Full/Partial Stroke
 Requirements

Relief Justification:

These check valves must open and backseat in order to perform their safety functions. Due to system design, they are not in the Casing Cooling Pump test flowpath. Both opening and backseat tests require that the Casing Cooling System be isolated from the Outside Recirculation Spray Pumps with manual valves. The valve exercise test lineup reduces plant safety during power operation. Testing 1-RS-123, and 1-RS-138 requires an extended entry in the safeguards valve pit, a limited access area. Safety lanterns, harnesses, an air sample and a fresh air supply must be obtained before entering the valve pit. The valves will be exercised only during refueling outages because the logistics of performing the exercise tests do not justify the small increase in safety gained by testing during cold shutdown.

Alternate Testing: Exercise for operability each refueling. (Not to exceed 24 months.)

SI-Note-04

IWV RELIEF REQUEST

System: Safety Injection

Relief Request SI-Note-04 has been deleted

IWW RELIEF REQUEST

System: Safety Injection

Valve(s): 1-SI-1
1-SI-16

Relief Requested: Exemption from 3 month Full/Partial Stroke
Requirements

Relief Justification:

No test connections are available to exercise these check valves because they are butt welded to their isolation valves. Testing 1-SI-1 and 1-SI-16 requires an extended entry in the safeguards valve pit, a limited access area. Safety lanterns, harnesses, an air sample and a fresh air supply must be obtained before entering the valve pit. Testing these valves requires the system be drained which increases the quantity of rad-waste. The check valve bonnets will be removed at refueling outages and the disc exercised mechanically to verify free movement.

Alternate Testing: Inspect each Refueling Shutdown (not to exceed
twenty-four months)

IWW RELIEF REQUEST

System: Safety Injection

Valve (s) : 1-SI-9
1-SI-26

Relief Requested: Exemption from 3 month Full/Partial Stroke
Requirements

Relief Justification:

Due to system design, these discharge check valves are not in the Low Head Safety Injection Pump test flowpaths. They cannot be tested during power operation because the LHSI pumps cannot overcome Reactor Coolant System Pressure. 1-SI-9 and 1-SI-26 are the low head safety injection pump discharge check valves. To verify these check valves backseat the low head safety injection system must be taken out of service. To verify these valves backseat the low head safety injection lines must be partially drained. This is not practical during short cold shutdown and will be done during refueling shutdowns. These valves will be exercised to the open position during cold shutdown but not more frequently than once every 9 months. The valves will be exercised to the closed position only during refueling outages because the logistics of performing a backseat test do not justify the small increase in safety gained by testing during cold shutdown.

Alternate Testing: Exercise to the open position during cold shutdown
(not more frequently than once per nine months)
Exercise to the closed position during each
refueling shutdown (not to exceed 24 months)

IWV RELIEF REQUEST

System: Safety Injection

Valve(s):	1-SI-83	1-SI-195
	1-SI-86	1-SI-197
	1-SI-89	1-SI-199

Relief Requested: Exemption from 3 month Full/Partial Stroke
Requirements

Relief Justification:

These Safety Injection check valves must open and close to fulfill their safety function. They can not be exercised to the open position during power operation because this would cause safety injection flow into the Reactor Coolant System which would disrupt normal plant operation. These valves can not be exercised to the closed position during power operation because they are inside containment. These valves will be exercised to both the open and closed positions during cold shutdown but not more often than once per 9 months.

Alternate Testing: Exercise to the open and closed position during cold shutdown (but not more frequently than once per 9 months.)

Note: T.S. 4.4.6.2.2 identifies these valves as high/low pressure boundary valves to be leak tested during cold shutdown but not more frequently than once per 9 months.

IWV RELIEF REQUEST

System: Safety Injection

Valve(s):	1-SI-125	1-SI-144
	1-SI-127	1-SI-159
	1-SI-142	1-SI-161

Relief Requested: Exemption from 3 month Full/Partial Stroke

Relief Justification:

These valves must open as well as close to perform their safety functions. They cannot be exercised to the open position every three months because they are inside containment and testing requires Reactor Coolant System pressure to be less than 600 psi. An exercise test to the open position will be performed during Cold Shutdown. The only method to verify that these valves backseat is to perform a leak rate test. They will be exercised to the closed position during Refueling Outages because the logistics of performing leak rate tests do not justify the small increase in safety gained by testing during Cold Shutdown.

Alternate Testing: Exercised to the open position during cold shutdowns (but not more frequently than once per 9 months)
Exercised to the closed position each refueling (not to exceed 24 months)

IWV RELIEF REQUEST

System: Safety Injection

Valve(s): 1-SI-79	1-SI-185	1-SI-211
1-SI-90	1-SI-201	1-SI-213
1-SI-95	1-SI-206	
1-SI-99	1-SI-207	
1-SI-103	1-SI-209	

Relief Requested: Exemption from 3 month Full/Partial Stroke Requirements

Relief Justification:

These Safety Injection check valves must open and close to fulfill their safety function. They can not be exercised to the open position during power operation because this would cause safety injection flow into the Reactor Coolant System which would disrupt normal plant operation. These valves can not be exercised to the closed position during power operation because they are inside containment. These valves will be exercised to the open position during cold shutdown but no more often than once per 9 months. These valves will be exercised to the closed position during refueling outages because the logistics of performing leak rate tests do not justify the small increase in safety gained by testing during cold shutdown.

Alternate Testing: Exercise to the open position during cold shutdown (but not more frequently than once per 9 months)
Exercise to the closed position during refueling outages (not to exceed twenty four months)

IWV RELIEF REQUEST

System: Safety Injection

Valve(s): 1-SI-190
1-SI-192
1-SI-194

Relief Requested: Exemption from 3 month Full/Partial Stroke
Requirements

Relief Justification:

These Safety Injection check valves must be open to fulfill their safety function. They can not be exercised to the open position during power operation because this would cause safety injection flow to the Reactor Coolant System which would disrupt normal plant operation. These valves will be exercised during cold shutdown but not more often than once per 9 months.

Alternate Testing: Exercise to the open position during cold shutdown
(but not more frequently than once per 9 months)

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VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
FCV.AS.100A	AS	01.50" AO GLOBE ***** AUXILIARY STEAM TO 'A' CONDENSER AIR EJECTOR FLOW CONTROL VALVE	NQ	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE ..	11715.FM.072A G2	REVISION..01
FCV.AS.100B	AS	01.50" AO GLOBE ***** AUXILIARY STEAM TO 'B' CONDENSER AIR EJECTOR FLOW CONTROL VALVE	NQ	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE ..	11715.FM.072A K2	REVISION..01
TV.BD.100A	BD	03.00" AO GLOBE ***** 'A' STEAM GENERATOR BLOWDOWN- OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.098A D3	REVISION..01
TV.BD.100B	BD	03.00" AO GLOBE ***** 'A' STEAM GENERATOR BLOWDOWN- INSIDE CONTAINMENT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE 24	11715.FM.098A D3	REVISION..01
TV.BD.100C	BD	03.00" AO GLOBE ***** 'B' STEAM GENERATOR BLOWDOWN- OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.098A D4	REVISION..01
TV.BD.100D	BD	03.00" AO GLOBE ***** 'B' STEAM GENERATOR BLOWDOWN- INSIDE CONTAINMENT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE 24	11715.FM.098A D4	REVISION..01
TV.BD.100E	BD	03.00" AO GLOBE ***** 'C' STEAM GENERATOR BLOWDOWN- OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.098A D6	REVISION..01
TV.BD.100F	BD	03.00" AO GLOBE ***** 'C' STEAM GENERATOR BLOWDOWN- INSIDE CONTAINMENT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE 24	11715.FM.098A D6	REVISION..01
MOV.CC.100A	CC	18.00" MO BFLY ***** COMPONENT COOLING WATER RETURN THROTTLING VALVE FROM 'A' RHR HEAT EXCHANGER	Q3	.B...	EXERCISE 03 FAILSAFE .. REMOT IND 24 LEAK RATE ..	11715.FM.079B K4	REVISION..00

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI 1WV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
MOV.CC.100B	CC	18.00" MO BFLY ***** COMPONENT COOLING WATER RETURN THROTTLING VALVE FROM 'B' RHR HEAT EXCHANGER	Q3	.B...	EXERCISE 03 FAILSAFE .. REMOT IND 24 LEAK RATE ..	11715.FM.079B K4	REVISION..00
RV.CC.126	CC	01.00" RELIEF VALVE ***** EXCESS LETDOWN HEAT EXCHANGER COMPONENT COOLING WATER RELIEF VALVE	Q3	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.079B I5	REVISION..00
RV.CC.128A	CC	00.75" RELIEF VALVE ***** 'A' RHR HEAT EXCHANGER COMPONENT COOLING RELIEF VALVE	Q3	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.079B K3	REVISION..00
RV.CC.128B	CC	00.75" RELIEF VALVE ***** 'B' RHR HEAT EXCHANGER COMPONENT COOLING RELIEF VALVE	Q3	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.079B K4	REVISION..00
TV.CC.100A	CC	06.00" AO BFLY ***** CC RETURN FROM 'A' RECIRC AIR COOLING COILS-OUTSIDE CONTAIN MENT ISOLATION VALVE	Q2	A....	EXERCISE C3 FAILSAFE C3 REMOT IND NR LEAK RATE 24	11715.FM.079D K2	REVISION..00 RELIEF REQUEST CC.NOTE.01
TV.CC.100B	CC	06.00" AO BFLY ***** CC RETURN FROM 'B' RECIRC AIR COOLING COILS-OUTSIDE CONTAIN MENT ISOLATION VALVE	Q2	A....	EXERCISE C3 FAILSAFE C3 REMOT IND NR LEAK RATE 24	11715.FM.079D K3	REVISION..00 RELIEF REQUEST CC.NOTE.01
TV.CC.100C	CC	06.00" AO BFLY ***** CC RETURN FROM 'C' RECIRC AIR COOLING COILS-OUTSIDE CONTAIN MENT ISOLATION VALVE	Q2	A....	EXERCISE C3 FAILSAFE C3 REMOT IND NR LEAK RATE 24	11715.FM.079D K4	REVISION..00 RELIEF REQUEST CC.NOTE.01
TV.CC.101A	CC	04.00" AO GLOBE ***** CC RETURN FROM REACTOR COOLANT PUMP THERMAL BARRIERS-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A....	EXERCISE C3 FAILSAFE C3 REMOT IND NR LEAK RATE 24	11715.FM.079B B8	REVISION..00 RELIEF REQUEST CC.NOTE.02
TV.CC.101B	CC	04.00" AO GLOBE ***** CC RETURN FROM REACTOR COOLANT PUMP THERMAL BARRIERS-INSIDE CONTAINMENT ISOLATION VALVE	Q2	A....	EXERCISE C3 FAILSAFE C3 REMOT IND 24 LEAK RATE 24	11715.FM.079B C8	REVISION..00 RELIEF REQUEST CC.NOTE.02

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VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	F&ID NUMBER/LOCATION		COMMENTS
TV.CC.102A	CC	08.00" AO BFLY ***** CC RETURN FROM 'C' RC PUMP LO, STATOR & SHROUD COOLERS- OUTSIDE CONT ISOLATION VALVE	Q2	A....	EXERCISE C3 FAILSAFE C3 REMOT IND NR LEAK RATE 24	11715.FM.079B	B7	REVISION..00 RELIEF REQUEST CC.NOTE.02
TV.CC.102B	CC	08.00" AO BFLY ***** CC RETURN FROM 'C' RC PUMP LO, STATOR & SHROUD COOLERS- INSIDE CONT ISOLATION VALVE	Q2	A....	EXERCISE C3 FAILSAFE C3 REMOT IND 24 LEAK RATE 24	11715.FM.079B	C7	REVISION..00 RELIEF REQUEST CC.NOTE.02
TV.CC.102C	CC	08.00" AO BFLY ***** CC RETURN FROM 'B' RC PUMP LO, STATOR & SHROUD COOLERS- OUTSIDE CONT ISOLATION VALVE	Q2	A....	EXERCISE C3 FAILSAFE C3 REMOT IND NR LEAK RATE 24	11715.FM.079B	B7	REVISION..00 RELIEF REQUEST CC.NOTE.02
TV.CC.102D	CC	08.00" AO BFLY ***** CC RETURN FROM 'B' RC PUMP LO, STATOR & SHROUD COOLERS- INSIDE CONT ISOLATION VALVE	Q2	A....	EXERCISE C3 FAILSAFE C3 REMOT IND 24 LEAK RATE 24	11715.FM.079B	C7	REVISION..00 RELIEF REQUEST CC.NOTE.02
TV.CC.102E	CC	08.00" AO BFLY ***** CC RETURN FROM 'A' RC PUMP LO, STATOR & SHROUD COOLERS- OUTSIDE CONT ISOLATION VALVE	Q2	A....	EXERCISE C3 FAILSAFE C3 REMOT IND NR LEAK RATE 24	11715.FM.079B	B7	REVISION..00 RELIEF REQUEST CC.NOTE.02
TV.CC.102F	CC	08.00" AO BFLY ***** CC RETURN FROM 'A' RC PUMP LO, STATOR & SHROUD COOLERS- INSIDE CONT ISOLATION VALVE	Q2	A....	EXERCISE C3 FAILSAFE C3 REMOT IND 24 LEAK RATE 24	11715.FM.079B	C7	REVISION..00 RELIEF REQUEST CC.NOTE.02
TV.CC.103A	CC	18.00" AO BFLY ***** CC RETURN FROM 'A' RHR HEAT EXCHANGER-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A....	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.079B	B8	REVISION..00
TV.CC.103B	CC	18.00" AO BFLY ***** CC RETURN FROM 'B' RHR HEAT EXCHANGER-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A....	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.079B	B8	REVISION..00
TV.CC.104A	CC	08.00" AO BFLY ***** CC SUPPLY TO 'A' RC PUMP LO, STATOR, SHROUD & THERM BARRIER COOLERS-OUTSIDE CONT ISOL VLV	Q2	A....	EXERCISE C3 FAILSAFE C3 REMOT IND NR LEAK RATE 24	11715.FM.079B	B1	REVISION..00 RELIEF REQUEST CC.NOTE.02

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VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
TV.CC.104B	CC	08.00" AO BFLY ***** CC SUPPLY TO 'B' RC PUMP LO, STATOR,SHROUD & THERM BARRIER COOLERS-OUTSIDE CONT ISOL VLV	Q2	A...	EXERCISE C3 FAILSAFE C3 REMOT IND NR LEAK RATE 24	11715.FM.079B B1	REVISION..00 RELIEF REQUEST CC.NOTE.02
TV.CC.104C	CC	08.00" AO BFLY ***** CC SUPPLY TO 'C' RC PUMP LO, STATOR,SHROUD & THERM BARRIER COOLERS-OUTSIDE CONT ISOL VLV	Q2	A...	EXERCISE C3 FAILSAFE C3 REMOT IND NR LEAK RATE 24	11715.FM.079B B2	REVISION..00 RELIEF REQUEST CC.NOTE.02
TV.CC.105A	CC	06.00" AO BFLY ***** CC RETURN FROM 'A' RECIRC AIR COOLING COILS-INSIDE CONTAIN MENT ISOLATION VALVE	Q2	A...	EXERCISE C3 FAILSAFE C3 REMOT IND 24 LEAK RATE 24	11715.FM.079D J2	REVISION..00 RELIEF REQUEST CC.NOTE.01
TV.CC.105B	CC	06.00" AO BFLY ***** CC RETURN FROM 'B' RECIRC AIR COOLING COILS-INSIDE CONTAIN MENT ISOLATION VALVE	Q2	A...	EXERCISE C3 FAILSAFE C3 REMOT IND 24 LEAK RATE 24	11715.FM.079D J3	REVISION..00 RELIEF REQUEST CC.NOTE.01
TV.CC.105C	CC	06.00" AO BFLY ***** CC RETURN FROM 'C' RECIRC AIR COOLING COILS-INSIDE CONTAIN MENT ISOLATION VALVE	Q2	A...	EXERCISE C3 FAILSAFE C3 REMOT IND 24 LEAK RATE 24	11715.FM.079D J4	REVISION..00 RELIEF REQUEST CC.NOTE.01
1.CC.024	CC	18.00" CHECK VALVE ***** 'A' COMPONENT COOLING PUMP DISCHARGE CHECK VALVE	Q3	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.079A C3	REVISION..00
1.CC.047	CC	18.00" CHECK VALVE ***** 'B' COMPONENT COOLING PUMP DISCHARGE CHECK VALVE	Q3	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.079A C4	REVISION..00
1.CC.060	CC	18.00" CHECK VALVE ***** UNIT 1 SUPPLY TO FUEL PIT & SAMPLE COOLERS,EVAP EQUIP,BD COND-COMMON HEADER CHECK VLV	Q3	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.079A F4	REVISION..00
1.CC.084	CC	06.00" CHECK VALVE ***** CC SUPPLY TO 'A' RC PUMP LO, STATOR,SHROUD & THERM BARRIER COOLERS-IN CONT ISOL CHECK VLV	Q2	A.C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.079B C1	REVISION..02 RELIEF REQUEST CC.NOTE.03

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
1.CC.119	CC	06.00" CHECK VALVE ***** CC SUPPLY TO 'B' RC PUMP LO, STATOR,SHROUD & THERM BARRIER COOLERS-IN CONT ISOL CHECK VLV	Q2	A.C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.079B C1	REVISION..02 RELIEF REQUEST CC.NOTE.03
1.CC.154	CC	06.00" CHECK VALVE ***** CC SUPPLY TO 'C' RC PUMP LO, STATOR,SHROUD & THERM BARRIER COOLERS-IN CONT ISOL CHECK VLV	Q2	A.C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.79B C2	REVISION..02 RELIEF REQUEST CC.NOTE.03
1.CC.193	CC	18.00" CHECK VALVE ***** CC SUPPLY TO 'A' RHR HX, PRIME DRAIN TNK,NEU SHIELD TNK COOL, EX LET HX-OUT CONT ISO CHK VLV	Q2	A.C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.079B B1	REVISION..02 RELIEF REQUEST CC.NOTE.03
1.CC.198	CC	18.00" CHECK VALVE ***** CC SUPPLY TO 'B' RHR HX,PRIME DRAIN TNK,NEU SHIELD TNK COOL, EX LET HX-OUT CONT ISO CHK VLV	Q2	A.C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.079B B1	REVISION..02 RELIEF REQUEST CC.NOTE.03
1.CC.546	CC	06.00" CHECK VALVE ***** CC SUPPLY TO 'A' RECIRC AIR COOLING COILS-OUTSIDE CONT- MENT ISOLATION CHECK VALVE	Q2	A.C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.079D G2	REVISION..02 RELIEF REQUEST CC.NOTE.03
1.CC.559	CC	06.00" CHECK VALVE ***** CC SUPPLY TO 'B' RECIRC AIR COOLING COILS-OUTSIDE CONT- MENT ISOLATION CHECK VALVE	Q2	A.C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.079D G3	REVISION..02 RELIEF REQUEST CC.NOTE.03
1.CC.572	CC	06.00" CHECK VALVE ***** CC SUPPLY TO 'C' RECIRC AIR COOLING COILS-OUTSIDE CONT- MENT ISOLATION CHECK VALVE	Q2	A.C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.079D G4	REVISION..02 RELIEF REQUEST CC.NOTE.03
FCV.1160	CH	02.00" AO GLOBE ***** CHARGING FLOW CONTROL TO LOOP FILL HEADER-OUTSIDE CONTAIN- MENT ISOLATION VALVE	Q1	A....	EXERCISE C3 FAILSAFE C3 REMOT IND NR LEAK RATE 24	11715.FM.095B A3	REVISION..02 RELIEF REQUEST CVCS.NOTE.08,10
HCV.1142	CH	03.00" AO GLOBE ***** LETDOWN CONTROL FROM RHR HEAT EXCHANGER-INSIDE CONTAINMENT ISOLATION VALVE	Q1	A....	EXERCISE C3 FAILSAFE C3 REMOT IND 24 LEAK RATE 24	11715.FM.095C I2	REVISION..02 RELIEF REQUEST CVCS.NOTE.09,10

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
HCV.1200A	CH	03.00" AO GLOBE ***** LETDOWN CONTROL FROM REGEN HX (90.ORLD.3)-INSIDE CONTAINMENT ISOLATION VALVE	Q1	A...	EXERCISE C3 FAILSAFE C3 REMOT IND 24 LEAK RATE 24	11715.FM.095C H2	REVISION..00 RELIEF REQUEST CVCS.NOTE.01
HCV.1200B	CH	03.00" AO GLOBE ***** LETDOWN CONTROL FROM REGEN HX (RO.ORLD.1)-INSIDE CONTAINMENT ISOLATION VALVE	Q1	A...	EXERCISE C3 FAILSAFE C3 REMOT IND 24 LEAK RATE 24	11715.FM.095C H2	REVISION..00 RELIEF REQUEST CVCS.NOTE.01
HCV.1200C	CH	03.00" AO GLOBE ***** LETDOWN CONTROL FROM REGEN HX (RO.ORLD.2)-INSIDE CONTAINMENT ISOLATION VALVE	Q1	A...	EXERCISE C3 FAILSAFE C3 REMOT IND 24 LEAK RATE 24	11715.FM.095C H2	REVISION..00 RELIEF REQUEST CVCS.NOTE.01
MOV.1115B	CH	08.00" MO GATE ***** CHARGING PUMP SUPPLY ISOLATION VALVE FROM REFUELING WATER STORAGE TANK	Q2	.B..	EXERCISE C3 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.095B C8	REVISION..00 RELIEF REQUEST CVCS.NOTE.02
MOV.1115C	CH	04.00" MO GATE ***** CHARGING PUMP SUPPLY ISOLATION FROM VOLUME CONTROL TANK	Q2	.B...	EXERCISE C3 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.095B H3	REVISION..00 RELIEF REQUEST CVCS.NOTE.02
MOV.1115D	CH	08.00" MO GATE ***** CHARGING PUMP SUPPLY ISOLATION VALVE FROM REFUELING WATER STORAGE TANK	Q2	.B...	EXERCISE C3 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.095B C9	REVISION..00 RELIEF REQUEST CVCS.NOTE.02
MOV.1115E	CH	04.00" MO GATE ***** CHARGING PUMP SUPPLY ISOLATION VALVE FROM VOLUME CONTROL TANK	Q2	.B...	EXERCISE C3 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.095B H3	REVISION..00 RELIEF REQUEST CVCS.NOTE.02
MOV.1267A	CH	06.00" MO GATE ***** 'A' CHARGING PUMP SUCTION ISOLATION VALVE	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.095B H7	REVISION..01
MOV.1267B	CH	06.00" MO GATE ***** 'A' CHARGING PUMP SUCTION ISOLATION VALVE	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.095B H7	REVISION..01

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VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION *****	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
MOV.1269A	CH	06.00" MO GATE ***** 'B' CHARGING PUMP SUCTION ISOLATION VALVE	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.095B F7	REVISION..01
MOV.1269B	CH	06.00" MO GATE ***** 'B' CHARGING PUMP SUCTION ISOLATION VALVE	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.095B F7	REVISION..01
MOV.1270A	CH	06.00" MO GATE ***** 'C' CHARGING PUMP SUCTION ISOLATION VALVE	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.095B D7	REVISION..01
MOV.1270B	CH	06.00" MO GATE ***** 'C' CHARGING PUMP SUCTION ISOLATION VALVE	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.095B D7	REVISION..01
MOV.1275A	CH	02.00" MO GATE ***** 'A' CHARGING PUMP MINIMUM RECIRCULATION ISOLATION VALVE	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.095B H6	REVISION..00
MOV.1275B	CH	02.00" MO GATE ***** 'B' CHARGING PUMP MINIMUM RECIRCULATION ISOLATION VALVE	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.095B F6	REVISION..00
MOV.1275C	CH	02.00" MO GATE ***** 'C' CHARGING PUMP MINIMUM RECIRCULATION ISOLATION VALVE	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.95B D6	REVISION..00
MOV.1286A	CH	03.00" MO GATE ***** 'A' CHARGING PUMP MAIN DISCHARGE ISOLATION VALVE	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.095B G6	REVISION..01
MOV.1286B	CH	03.00" MO GATE ***** 'B' CHARGING PUMP MAIN DISCHARGE ISOLATION VALVE	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.095B F6	REVISION..01

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
MOV.1286C	CH	03.00" MO GATE ***** 'C' CHARGING PUMP MAIN DISCHARGE ISOLATION VALVE	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.095B D6	REVISION..01
MOV.1287A	CH	03.00" MO GATE ***** 'A' CHARGING PUMP ALTERNATE AND LOOP FILL DISCHARGE ISOL VALVE	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.95B G6	REVISION..01
MOV.1287B	CH	03.00" MO GATE ***** 'B' CHARGING PUMP ALTERNATE AND LOOP FILL DISCHARGE ISOL VALVE	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.095B E6	REVISION..01
MOV.1287C	CH	03.00" MO GATE ***** 'C' CHARGING PUMP ALTERNATE AND LOOP FILL DISCHARGE ISOL VALVE	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.095B D6	REVISION..01
MOV.1289A	CH	03.00" MO GATE ***** MAIN CHARGING HEADER ISOLATION VALVE-OUTSIDE CONTAINMENT ISOLATION VALVE	Q1	A...	EXERCISE C3 FAILSAFE .. REMOT IND NR LEAK RATE 24	11715.FM.095B A4	REVISION..01 RELIEF REQUEST CVCS.NOTE.03
MOV.1289B	CH	03.00" MO GATE ***** MAIN CHARGING HEADER ISOLATION VALVE-OUTSIDE CONTAINMENT	Q2	.B...	EXERCISE C3 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.095B B5	REVISION..01 RELIEF REQUEST CVCS.NOTE.03
MOV.1350	CH	02.00" MO GATE ***** EMERGENCY BORATION TO CHARGING PUMP SUCTION	Q2	.B...	EXERCISE C3 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.095B I6	REVISION..00 RELIEF REQUEST CVCS.NOTE.04
MOV.1373	CH	03.00" MO GATE ***** CHARGING PUMP RECIRCULATION HEADER ISOLATION VALVE	Q2	.B...	EXERCISE C3 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.095B G4	REVISION..01 RELIEF REQUEST CVCS.NOTE.05
MOV.1380	CH	03.00" MO GATE ***** REACTOR COOLANT PUMP SEAL WATER RETURN-INSIDE CONT ISOL VALVE	Q1	A...	EXERCISE C3 FAILSAFE .. REMOT IND 24 LEAK RATE 24	11715.FM.095C J5	REVISION..01 RELIEF REQUEST CVCS.NOTE.06

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI 1WV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
MOV.1381	CH	03.00" MO GATE ***** REACTOR COOLANT PUMP SEAL WATER RETURN-OUTSIDE CONTAIN ISOLATION VALVE	Q1	A...	EXERCISE C3 FAILSAFE .. REMOT IND NR LEAK RATE 24	11715.FM.095B A3	REVISION..01 RELIEF REQUEST CVCS.NOTE.06
RV.1203	CH	02.00" RELIEF VALVE ***** LETDOWN RELIEF VLV DOWNSTREAM OF REGEN HX-RV DISCHARGE TO PRESSURIZER RELIEF TANK	Q1	A.C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.095C H1	REVISION..00
RV.1209	CH	02.00" RELIEF VALVE ***** LETDOWN RELIEF VLV DOWNSTREAM OF NONREGEN HX-RV DISCHARGE TO VOLUME CONTROL TANK	Q2	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.095B F1	REVISION..00
RV.1257	CH	03.00" RELIEF VALVE ***** VOLUME CONTROL TANK RELIEF VALVE-RV DISCHARGE TO LIQUID WASTE	Q2	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.095B H1	REVISION..00
RV.1382A	CH	02.00" RELIEF VALVE ***** REACTOR COOLANT PUMP SEAL WATER RELIEF VLV-RV DISCHARGE TO PRESSURIZER RELIEF TANK	Q1	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.095C H4	REVISION..01
TV.1204	CH	03.00" AO GLOBE ***** LETDOWN HEADER-OUTSIDE CONT ISOLATION VALVE	Q1	A...	EXERCISE C3 FAILSAFE C3 REMOT IND NR LEAK RATE 24	11715.FM.095B A3	REVISION..01 RELIEF REQUEST CVCS.NOTE.01
1.CH.084	CH	02.00" CHECK VALVE ***** 'A' BORIC ACID TRANSFER PUMP DISCHARGE CHECK VALVE	Q3	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.095A G7	REVISION..01
1.CH.102	CH	02.00" CHECK VALVE ***** 'B' BORIC ACID TRANSFER PUMP DISCHARGE CHECK VALVE	Q3	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.095A F7	REVISION..01
1.CH.238	CH	02.00" CHECK VALVE ***** MAIN EMERGENCY BORATION LINE TO CHARGING PUMP SUCTION CHECK VALVE	Q2	..C..	EXERCISE C3 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.095B 16	REVISION..00 RELIEF REQUEST CVCS.NOTE.04

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1.CH.242	CH	02.00" CHECK VALVE ***** ALTERNATE EMERGENCY BORATION LINE TO CHARGING PUMP SUCTION CHECK VALVE	Q2	..C..	EXERCISE C3 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.095B I6	REVISION..00 RELIEF REQUEST CVCS.NOTE.04
1.CH.254	CH	03.00" CHECK VALVE ***** 'A' CHARGING PUMP DISCHARGE CHECK VALVE	Q2	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.095B G6	REVISION..00
1.CH.267	CH	03.00" CHECK VALVE ***** 'B' CHARGING PUMP DISCHARGE CHECK VALVE	Q2	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.095B F6	REVISION..00
1.CH.279	CH	03.00" CHECK VALVE ***** 'C' CHARGING PUMP DISCHARGE CHECK VALVE	Q2	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.095B D6	REVISION..00
1.CH.310	CH	01.00" MANUAL NEEDLE ***** 'C' RC PUMP SEAL WATER SUPPLY- THROTTLING VALVE-OUTSIDE CONTAINMENT	Q1	.B..E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.095B A6	REVISION..01
1.CH.314	CH	01.00" MANUAL NEEDLE ***** 'B' RC PUMP SEAL WATER SUPPLY- THROTTLING VALVE-OUTSIDE CONTAINMENT	Q1	.B..E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.095B A7	REVISION..01
1.CH.318	CH	01.00" MANUAL NEEDLE ***** 'A' RC PUMP SEAL WATER SUPPLY- THROTTLING VALVE-OUTSIDE CONTAINMENT	Q1	.B..E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.095B A7	REVISION..01
1.CH.322	CH	03.00" CHECK VALVE ***** MAIN CHARGING SUPPLY HEADER- INSIDE CONTAINMENT ISOLATION CHECK VALVE	Q1	A.C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.095C J3	REVISION..02 RELIEF REQUEST CVCS.NOTE.07
1.CH.330	CH	02.00" CHECK VALVE ***** CHARGING SUPPLY TO LOOP FILL HEADER-INSIDE CONTAINMENT ISOLATION CHECK VALVE	Q1	A.C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.095C J3	REVISION..02 RELIEF REQUEST CVCS.NOTE.07

VALVE MARK NUMBER	SYST	***** VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
1.CH.336	CH	02.00" CHECK VALVE ***** 'A' RC PUMP SEAL WATER SUPPLY- INSIDE CONTAINMENT ISOLATION CHECK VALVE	Q1	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE NR	11715.FM.095C A7	REVISION..02
1.CH.358	CH	02.00" CHECK VALVE ***** 'B' RC PUMP SEAL WATER SUPPLY- INSIDE CONTAINMENT ISOLATION CHECK VALVE	Q1	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE NR	11715.FM.095C D7	REVISION..02
1.CH.380	CH	02.00" CHECK VALVE ***** 'C' RC PUMP SEAL WATER SUPPLY- INSIDE CONTAINMENT ISOLATION CHECK VALVE	Q1	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE NR	11715.FM.095C G7	REVISION..02
1.CH.402	CH	00.75" CHECK VALVE ***** RC PUMP SEAL WATER RETURN- INSIDE CONTAINMENT ISOLATION CHECK VALVE	Q1	A.C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.095C J5	REVISION..02 RELIEF REQUEST CVCS.NOTE.07
1.CH.550	CH	04.00" MANUAL GATE ***** UNIT 1 TO UNIT 2 CHARGING PUMP CROSS CONNECT VALVE	Q2E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.095B E4	REVISION..02
TV.CV.100	CV	08.00" AO BFLY ***** CONTAINMENT VACUUM EJECTOR- INSIDE CONTAINMENT ISOLATION VALVE	Q2	A....	EXERCISE C3 FAILSAFE C3 REMOT IND 24 LEAK RATE 24	11715.FM.092A J7	REVISION..01 RELIEF REQUEST CV.NOTE.01
TV.CV.150A	CV	02.00" AO GLOBE ***** 'A' CONTAINMENT VACUUM PUMP SUCTION ISOLATION VALVE- OUTSIDE CONT ISOL VALVE	Q2	A....	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.092A I6	REVISION..00
TV.CV.150B	CV	02.00" AO GLOBE ***** 'A' CONTAINMENT VACUUM PUMP SUCTION ISOLATION VALVE- OUTSIDE CONT ISOL VALVE	Q2	A....	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.092A I6	REVISION..00
TV.CV.150C	CV	02.00" AO GLOBE ***** 'B' CONTAINMENT VACUUM PUMP SUCTION ISOLATION VALVE- OUTSIDE CONT ISOL VALVE	Q2	A....	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.092A I6	REVISION..00

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI 1WV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
TV.CV.150D	CV	02.00" AO GLOBE ***** 'B' CONTAINMENT VACUUM PUMP SUCTION ISOLATION VALVE- OUTSIDE CONT ISOL VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.092A I6	REVISION..00
1.CV.004	CV	08.00" MANUAL GATE ***** CONTAINMENT VACUUM EJECTOR SUPPLY-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.092A I7	REVISION..00
TV.DA.100A	DA	02.00" AO GLOBE ***** REACTOR CONTAINMENT SUMP PUMPS DISCHARGE-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.090A A3	REVISION..00
TV.DA.100B	DA	02.00" AO GLOBE ***** REACTOR CONTAINMENT SUMP PUMPS DISCHARGE-INSIDE CONTAINMENT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE 24	11715.FM.090C K5	REVISION..00
TV.DA.103A	DA	02.00" AO GLOBE ***** POST ACCIDENT SAMPLE SYSTEM RETURN-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.090B J4	REVISION..00
TV.DA.103B	DA	02.00" AO GLOBE ***** POST ACCIDENT SAMPLE SYSTEM RETURN-OUTSIDE CONTAINMENT TRIP VALVE	Q2	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE ..	11715.FM.090B J4	REVISION..00
1.DA.039	DA	02.00" MAN DIAPHRAM ***** VENT LINE FROM PRIMARY VENT POT-INSIDE CONTAINMENT ISOLATION VALVE	Q2	A...E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.090C K5	REVISION..00
1.DA.041	DA	02.00" MAN DIAPHRAM ***** VENT LINE FROM PRIMARY VENT POT-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.090B K3	REVISION..00
1.DA.066	DA	02.00" CHECK VALVE ***** POST ACCIDENT SAMPLE SYSTEM RETURN-INSIDE CONTAINMENT ISOLATION CHECK VALVE	Q2	A.C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.090C K2	REVISION..00 RELIEF REQUEST DA.NOTE.01

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
TV.DG.100A	DG	02.00" AO GLOBE ***** PRIMARY DRAIN TRANSFER PUMPS DISCHARGE-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.090B K2	REVISION..00
TV.DG.100B	DG	02.00" AO GLOBE ***** PF MARY DRAIN TRANSFER PUMPS DISCHARGE-INSIDE CONTAINMENT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE 24	11715.FM.090C L4	REVISION..00
RV.EG.103A	EG	01.00" RELIEF VALVE ***** '1H' DIESEL 'A' EMER GENERATOR PUMP DISCHARGE RELIEF VALVE-RV DISCHARGE TO PUMP SUCTION	NQ	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FB.035A E8	REVISION..00
RV.EG.103B	EG	01.00" RELIEF VALVE ***** '1H' DIESEL 'B' EMER GENERATOR PUMP DISCHARGE RELIEF VALVE-RV DISCHARGE TO PUMP SUCTION	NQ	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FB.035A C8	REVISION..00
RV.EG.105A	EG	01.00" RELIEF VALVE ***** '1J' DIESEL 'A' EMER GENERATOR PUMP DISCHARGE RELIEF VALVE-RV DISCHARGE TO PUMP SUCTION	NQ	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FB.035A E6	REVISION..00
RV.EG.105B	EG	01.00" RELIEF VALVE ***** '1J' DIESEL 'B' EMER GENERATOR PUMP DISCHARGE RELIEF VALVE-RV DISCHARGE TO PUMP SUCTION	NQ	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FB.035A G6	REVISION..00
RV.EG.602HA	EG	02.00" RELIEF VALVE ***** '1H' DIESEL 'A' AIR RECEIVER TANK RELIEF VALVE-RV DISCHARGE TO ATMOSPHERE	NQ	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.107A D2	REVISION..01
RV.EG.602HB	EG	02.00" RELIEF VALVE ***** '1H' DIESEL 'B' AIR RECEIVER TANK RELIEF VALVE-RV DISCHARGE TO ATMOSPHERE	NQ	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.107A D6	REVISION..01
RV.EG.602JA	EG	02.00" RELIEF VALVE ***** '1J' DIESEL 'A' AIR RECEIVER TANK RELIEF VALVE-RV DISCHARGE TO ATMOSPHERE	NQ	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.107A J2	REVISION..01

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
RV.EG.602JB	EG	02.00" RELIEF VALVE ***** '1J' DIESEL 'B' AIR RECEIVER TANK RELIEF VALVE-RV DISCHARGE TO ATMOSPHERE	NQ	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.107A J6	REVISION..01
1.EG.254	EG	01.50" CHECK VALVE ***** '1H' DIESEL 'A' EMERGENCY GENERATOR PUMP DISCHARGE CHECK VALVE	EQ	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FB.035A E8	REVISION..01
1.EG.266	EG	01.50" CHECK VALVE ***** '1J' DIESEL 'A' EMERGENCY GENERATOR PUMP DISCHARGE CHECK VALVE	NQ	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FB.035A E6	REVISION..01
1.EG.278	EG	01.50" CHECK VALVE ***** '1H' DIESEL 'B' EMERGENCY GENERATOR PUMP DISCHARGE CHECK VALVE	NQ	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FB.035A G8	REVISION..01
1.EG.295	EG	01.50" CHECK VALVE ***** '1J' DIESEL 'B' EMERGENCY GENERATOR PUMP DISCHARGE CHECK VALVE	NQ	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FB.035A G6	REVISION..01
1.FP.272	FP	04.00" CHECK VALVE ***** FIRE PROTECTION SUPPLY TO CONTAINMENT-INSIDE CONTAINMENT ISOLATION CHECK VALVE	Q2	..C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE NR	11715.FB.102B C3	REVISION..02 RELIEF REQUEST FP.NOTE.01
1.FP.274	FP	04.00" MANUAL GATE ***** FIRE PROTECTION SUPPLY TO CONTAINMENT-OUTSIDE CONTAIN ISOLATION VALVE	Q2	A...E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FB.102B B3	REVISION..01
1.FP.275	FP	04.00" MANUAL GATE ***** FIRE PROTECTION SUPPLY TO CONTAINMENT-OUTSIDE CONTAIN ISOLATION VALVE	Q2	A...E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FB.102B B3	REVISION..01
FCV.FW.1478	FW	16.00" AO GLOBE ***** 'A' MAIN FEEDWATER REG VALVE	NQ	.B...	EXERCISE C3 FAILSAFE C3 REMOT IND NR LEAK RATE ..	11715.FM.074A F2	REVISION..01 RELIEF REQUEST FW.NOTE.01

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FCV.FW.1479	FW	06.00" AO GLOBE ***** 'A' BYPASS FEEDWATER REG VALVE	NQ	.B...	EXERCISE C3 FAILSAFE C3 REMOT IND NR LEAK RATE ..	11715.FM.074A G1	REVISION..01 RELIEF REQUEST FW.NOTE.01
FCV.FW.1488	FW	16.00" AO GLOBE ***** 'B' MAIN FEEDWATER REG VALVE	NQ	.B...	EXERCISE C3 FAILSAFE C3 REMOT IND NR LEAK RATE ..	11715.FM.074A F3	REVISION..01 RELIEF REQUEST FW.NOTE.01
FCV.FW.1489	FW	06.00" AO GLOBE ***** 'B' BYPASS FEEDWATER REG VALVE	NQ	.B...	EXERCISE C3 FAILSAFE C3 REMOT IND NR LEAK RATE ..	11715.FM.074A G3	REVISION..01 RELIEF REQUEST FW.NOTE.01
FCV.FW.1498	FW	16.00" AO GLOBE ***** 'C' MAIN FEEDWATER REG VALVE	NQ	.B...	EXERCISE C3 FAILSAFE C3 REMOT IND NR LEAK RATE ..	11715.FM.074A F4	REVISION..01 RELIEF REQUEST FW.NOTE.01
FCV.FW.1499	FW	06.00" AO GLOBE ***** 'C' BYPASS FEEDWATER REG VALVE	NQ	.B...	EXERCISE C3 FAILSAFE C3 REMOT IND NR LEAK RATE ..	11715.FM.074A G5	REVISION..01 RELIEF REQUEST FW.NOTE.01
HCV.FW.100C	FW	03.00" AO GLOBE ***** NORMAL AUXILIARY FEEDWATER SUPPLY TO 'C' STEAM GENERATOR	Q3	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.074A B6	REVISION..02 RELIEF REQUEST FW.NOTE.03
MOV.FW.100B	FW	03.00" MO GLOBE ***** NORMAL AUXILIARY FEEDWATER SUPPLY TO 'B' STEAM GENERATOR	Q3	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.074A B6	REVISION..01
MOV.FW.100D	FW	03.00" MO GLOBE ***** NORMAL AUXILIARY FEEDWATER SUPPLY TO 'A' STEAM GENERATOR	Q3	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.074A C7	REVISION..01
MOV.FW.154A	FW	16.00" MO GATE ***** 'A' MAIN FEEDWATER SUPPLY ISOLATION VALVE	NQ	.B...	EXERCISE C3 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.074A G2	REVISION..01 RELIEF REQUEST FW.NOTE.01

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
MOV.FW.154B	FW	16.00" MO GATE ***** 'B' MAIN FEEDWATER SUPPLY ISOLATION VALVE	NQ	.B...	EXERCISE C3 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.074A G3	REVISION..01 RELIEF REQUEST FW.NOTE.01
MOV.FW.154C	FW	16.00" MO GATE ***** 'C' MAIN FEEDWATER SUPPLY ISOLATION VALVE	NQ	.B...	EXERCISE C3 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.074A G5	REVISION..01 RELIEF REQUEST FW.NOTE.01
PCV.FW.159A	FW	04.00" AO GLOBE ***** AUXILIARY FEEDWATER PRESSURE CONTROL VALVE	Q3	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE ..	1715.FM.074A C6	REVISION..00
PCV.FW.159B	FW	04.00" AO GLOBE ***** AUXILIARY FEEDWATER PRESSURE CONTROL VALVE	Q3	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE ..	11715.FM.074A C6	REVISION..00
RV.FW.100	FW	03.00" RELIEF VALVE ***** TURBINE DRIVEN AUXILIARY FEED PUMP FEEDWATER DISCHARGE RELIEF VALVE	Q3	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.074A D7	REVISION..00
1.FW.047	FW	16.00" CHECK VALVE ***** 'A' MAIN FEEDWATER SUPPLY- CONTAINMENT PENETRATION CHECK VALVE	Q2	..C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.074A C2	REVISION..02 RELIEF REQUEST FW.NOTE.02
1.FW.068	FW	03.00" CHECK VALVE ***** 'A' AUXILIARY FEEDWATER HEADER CHECK VALVE AT MAIN FEEDWATER HEADER	Q2	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.074A B2	REVISION..00
1.FW.079	FW	16.00" CHECK VALVE ***** 'B' MAIN FEEDWATER HEADER SUPPLY-CONTAINMENT PENETRATION CHECK VALVE	Q2	..C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.074A C4	REVISION..02 RELIEF REQUEST FW.NOTE.02
1.FW.093	FW	03.00" CHECK VALVE ***** 'B' AUXILIARY FEEDWATER HEADER CHECK VALVE-OUTSIDE OF CONTAIN MENT	Q3	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.074A B6	REVISION..00

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1.FW.100	FW	03.00" CHECK VALVE ***** 'B' AUXILIARY FEEDWATER HEADER CHECK VALVE AT MAIN FEEDWATER HEADER	Q2	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.074A B4	REVISION..00
1.FW.111	FW	16.00" CHECK VALVE ***** 'C' MAIN FEEDWATER SUPPLY- CONTAINMENT PENETRATION CHECK VALVE	Q2	..C..	EXERCISE 09 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.074A C5	REVISION..02 RELIEF REQUEST FW.NOTE.02
1.FW.127	FW	03.00" CHECK VALVE ***** 'C' AUXILIARY FEEDWATER HEADER CHECK VALVE-OUTSIDE OF CONTAIN MENT	Q3	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.074A B6	REVISION..00
1.FW.132	FW	03.00" CHECK VALVE ***** 'C' AUXILIARY FEEDWATER HEADER CHECK VALVE AT MAIN FEEDWATER HEADER	Q2	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.074A B5	REVISION..00
1.FW.148	FW	06.00" CHECK VALVE ***** TURBINE DRIVEN AUXILIARY FEEDWATER PUMP DISCHARGE CHECK VALVE	Q3	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.074A D7	REVISION..00
1.FW.150	FW	01.00" CHECK VALVE ***** TURBINE DRIVEN AUXILIARY FEEDWATER PUMP RECIRC LINE CHECK VALVE	Q3	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.074A E7	REVISION..00
1.FW.165	FW	04.00" CHECK VALVE ***** 'A' MOTOR DRIVEN AUXILIARY FEEDWATER PUMP DISCHARGE CHECK VALVE	Q3	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.074A E7	REVISION..00
1.FW.167	FW	01.00" CHECK VALVE ***** 'A' MOTOR DRIVEN AUXILIARY FEEDWATER PUMP RECIRC LINE CHECK VALVE	Q3	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.074A F7	REVISION..00
1.FW.183	FW	04.00" CHECK VALVE ***** 'B' MOTOR DRIVEN AUXILIARY FEEDWATER PUMP DISCHARGE CHECK VALVE	Q3	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.074A F7	REVISION..00

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
1.FW.185	FW	01.00" CHECK VALVE ***** 'B' MOTOR DRIVEN AUXILIARY FEEDWATER PUMP RECIRC LINE CHECK VALVE	Q3	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.074A G7	REVISION..00
1.FW.279	FW	04.00" CHECK VALVE ***** 'A' AUXILIARY FEEDWATER HEADER CHECK VALVE-OUTSIDE OF CONTAIN MENT	Q3	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.074A C7	REVISION..00
TV.HC.100A	HC	00.375" SO GLOBE ***** UNIT 1 SAMPLE LINE TO UNIT 1 HYDROGEN ANALYZERS-INSIDE CONTAINMENT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE 24	11715.FM.106A C3	REVISION..01
TV.HC.100B	HC	00.375" SO GLOBE ***** UNIT 1 SAMPLE LINE TO UNIT 1 HYDROGEN ANALYZERS-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.106A C3	REVISION..01
TV.HC.101A	HC	00.375" SO GLOBE ***** RETURN ISOLATION FROM UNIT 1 HYDROGEN ANALYZERS TO UNIT 1 CONT-OUTSIDE CONT ISOL VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.106A C4	REVISION..01
TV.HC.101B	HC	00.375" SO GLOBE ***** RETURN ISOLATION FROM UNIT 1 HYDROGEN ANALYZERS TO UNIT 1 CONT-OUTSIDE CONT ISOL VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.106A C4	REVISION..01
TV.HC.102A	HC	00.375" SO GLOBE ***** UNIT 1 SAMPLE LINE TO UNIT 2 HYDROGEN ANALYZERS-INSIDE CONTAINMENT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE 24	11715.FM.106A B3	REVISION..01
TV.HC.102B	HC	00.375" SO GLOBE ***** UNIT 1 SAMPLE LINE TO UNIT 2 HYDROGEN ANALYZERS-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.106A A3	REVISION..01
TV.HC.103A	HC	00.375" SO GLOBE ***** RETURN ISOLATION FROM UNIT 2 HYDROGEN ANALYZERS TO UNIT 1 CONT-OUTSIDE CONT ISOL VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.106A B4	REVISION..01

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VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
TV.HC.103B	HC	00.375" SO GLOBE ***** RETURN ISOLATION FROM UNIT 2 HYDROGEN ANALYZERS TO UNIT 1 CONT-OUTSIDE CONT ISOL VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.106A B4	REVISION..01
TV.HC.104A	HC	02.50" AO GLOBE ***** SUPPLY ISOL FROM UNIT 1 CONT TO N1 HYDRO RECOMB & N2 CONT BLOWER-OUTSIDE CONT ISOL VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.106A D2	REVISION..01
TV.HC.104B	HC	02.50" AO GLOBE ***** SUPPLY ISOL FROM UNIT 1 CONT TO N1 HYDRO RECOMB & N2 CONT BLOWER-OUTSIDE CONT ISOL VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.106A D2	REVISION..01
TV.HC.105A	HC	02.50" AO GLOBE ***** RETURN ISOLATION FROM UNIT 1 HYDROGEN RECOMB & ANAL TO UNIT 1 CONT-OUTSIDE CONT ISOL VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.106A D4	REVISION..01
TV.HC.105B	HC	02.50" AO GLOBE ***** RETURN ISOLATION FROM UNIT 1 HYDROGEN RECOMB & ANAL TO UNIT 1 CONT-OUTSIDE CONT ISOL VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.106A D4	REVISION..01
TV.HC.106A	HC	02.50" AO GLOBE ***** UNIT 1 SUPPLY ISOLATION TO N1 CONT ATMO PURGE BLOW & N2 HYDRO RECOMB-OUT CONT ISOL VLV	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.106A A2	REVISION..01
TV.HC.106B	HC	02.50" AO GLOBE ***** UNIT 1 SUPPLY ISOLATION TO N1 CONT ATMO PURGE BLOW & N2 HYDRO RECOMB-OUT CONT ISOL VLV	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.106A B2	REVISION..01
TV.HC.107A	HC	02.50" AO GLOBE ***** RETURN ISOLATION FROM UNIT 2 HYDROGEN RECOMB & ANAL TO UNIT 1 CONT-OUTSIDE CONT ISOL VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.106A B3	REVISION..01
TV.HC.107B	HC	02.50" AO GLOBE ***** RETURN ISOLATION FROM UNIT 2 HYDROGEN RECOMB & ANAL TO UNIT 1 CONT-OUTSIDE CONT ISOL VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.106A A4	REVISION..01

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
TV.HC.108A	HC	00.375" SO GLOBE ***** UNIT 1 SAMPLE LINE TO AIR SAMPLE PANEL-INSIDE CONTAIN ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE 24	11715.FM.106A C3	REVISION..01
TV.HC.108B	HC	00.375" SO GLOBE ***** UNIT 1 SAMPLE LINE TO AIR SAMPLE PANEL-OUTSIDE CONTAIN ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.106A D3	REVISION..01
TV.HC.109A	HC	00.375" AO GLOBE ***** RETURN ISOLATION FROM AIR SAMPLE PANEL	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.106A F7	REVISION..01
TV.HC.109B	HC	00.375" AO GLOBE ***** RETURN ISOLATION FROM AIR SAMPLE PANEL	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.106A F7	REVISION..01
1.HC.005	HC	02.00" CHECK VALVE ***** CONTAINMENT ATMOSPHERE PURGE BLOWER DISCHARGE CHECK VALVE	NQ	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.106A D6	REVISION..02
1.HC.014	HC	02.00" CHECK VALVE ***** UNIT 1 RETURN LINE FROM UNIT 1 HYDROGEN ANALYZERS & RECOMB- INSIDE CONT ISOL CHECK VALVE	Q2	A.C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.106A C4	REVISION..01 RELIEF REQUEST HC.NOTE.01
1.HC.018	HC	02.00" CHECK VALVE ***** UNIT 1 RETURN LINE FROM UNIT 2 HYDROGEN ANALYZERS & RECOMB- INSIDE CONT ISOL CHECK VALVE	Q2	A.C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.106A C4	REVISION..01 RELIEF REQUEST HC.NOTE.01
1.HC.062	HC	00.375" CHECK VALVE ***** HYDROGEN ANALYZER DISCHARGE CHECK VALVE	Q2	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.106A B6	REVISION..01
1.HC.063	HC	00.375" CHECK VALVE ***** HYDROGEN ANALYZER DISCHARGE CHECK VALVE	Q2	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.106A C6	REVISION..01

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
1.HC.634	HC	00.375" CHECK VALVE ***** AIR SAMPLE PANEL DISCHARGE CHECK VALVE	NQ	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.106A F7	REVISION..01
MOV.HV.100A	HV	36.00" MO BFLY ***** CONTAINMENT PURGE SUPPLY- INSIDE CONTAINMENT ISOLATION VALVE	Q2	A...E	EXERCISE .. FAILSAFE .. REMOT IND 24 LEAK RATE 24	11715.FB.007C C3	REVISION..01
MOV.HV.100B	HV	36.00" MO BFLY ***** CONTAINMENT PURGE SUPPLY- OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...E	EXERCISE .. FAILSAFE .. REMOT IND NR LEAK RATE 24	11715.FB.007C B3	REVISION..01
MOV.HV.100C	HV	36.00" MO BFLY ***** CONTAINMENT PURGE EXHAUST- INSIDE CONTAINMENT ISOLATION VALVE	Q2	A...E	EXERCISE .. FAILSAFE .. REMOT IND 24 LEAK RATE 24	11715.FB.007C B4	REVISION..01
MOV.HV.100D	HV	36.00" MO BFLY ***** CONTAINMENT PURGE EXHAUST- OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...E	EXERCISE .. FAILSAFE .. REMOT IND NR LEAK RATE 24	11715.FB.007C A3	REVISION..01
MOV.HV.101	HV	08.00" MO BFLY ***** CONTAINMENT PURGE BYPASS- OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...E	EXERCISE .. FAILSAFE .. REMOT IND NR LEAK RATE 24	11715.FB.007C A4	REVISION..01
MOV.HV.102	HV	18.00" MO BFLY ***** CONTAINMENT PURGE ALTERNATE SUPPLY-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...E	EXERCISE .. FAILSAFE .. REMOT IND NR LEAK RATE 24	11715.FB.007C B3	REVISION..01
TV.1A.102A	1A	02.00" AO GLOBE ***** INSTRUMENT AIR SUPPLY TO CONTAINMENT-OUTSIDE CONTAIN ISOLATION VALVE	Q2	A....	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.082N J5	REVISION..01
TV.1A.102B	1A	02.00" AO GLOBE ***** INSTRUMENT AIR SUPPLY TO CONTAINMENT-OUTSIDE CONTAIN ISOLATION VALVE	Q2	A....	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.082N J5	REVISION..01

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
1.1A.055	1A	02.00" CHECK VALVE ***** INSTRUMENT AIR SUPPLY TO CONTAINMENT-INSIDE CONTAIN ISOLATION CHECK VALVE	Q2	A.C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.082A C1	REVISION..02 RELIEF REQUEST 1A.NOTE.01
1.1A.149	1A	01.00" CHECK VALVE ***** RETURN TO CONTAINMENT FROM RADIATION MONITORING CABINET- INSIDE CONT ISOL CHECK VALVE	Q2	A.C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.082N L4	REVISION..02 RELIEF REQUEST 1A.NOTE.01
TV.LM.100A	LM	00.375" AO GLOBE ***** CONTAINMENT LEAKAGE MONITORING OPEN SYSTEM SUPPLY-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A....	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.092A E3	REVISION..00
TV.LM.100B	LM	00.375" AO GLOBE ***** CONTAINMENT LEAKAGE MONITORING OPEN SYSTEM SUPPLY-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A....	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.092A E3	REVISION..00
TV.LM.100C	LM	00.375" AO GLOBE ***** CONTAINMENT LEAKAGE MONITORING OPEN SYSTEM SUPPLY-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A....	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.092A E2	REVISION..00
TV.LM.100D	LM	00.375" AO GLOBE ***** CONTAINMENT LEAKAGE MONITORING OPEN SYSTEM SUPPLY-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A....	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.092A E2	REVISION..00
TV.LM.100E	LM	00.375" AO GLOBE ***** CONTAINMENT LEAKAGE MONITORING OPEN SYSTEM SUPPLY-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A....	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.092A E2	REVISION..00
TV.LM.100F	LM	00.375" AO GLOBE ***** CONTAINMENT LEAKAGE MONITORING OPEN SYSTEM SUPPLY-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A....	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.092A F2	REVISION..00
TV.LM.100G	LM	00.375" AO GLOBE ***** CONTAINMENT LEAKAGE MONITORING OPEN SYSTEM SUPPLY-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A....	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.092A D3	REVISION..00

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TV.LM.100H	LM	00.375" AO GLOBE ***** CONTAINMENT LEAKAGE MONITORING OPEN SYSTEM SUPPLY-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.092A E3	REVISION..00
TV.LM.101A	LM	00.375" AO GLOBE ***** CONTAINMENT LEAKAGE MONITORING SEALED SYSTEM SUPPLY-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.092A H3	REVISION..00
TV.LM.101B	LM	00.375" AO GLOBE ***** CONTAINMENT LEAKAGE MONITORING SEALED SYSTEM SUPPLY-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.092A H3	REVISION..00
TV.LM.101C	LM	00.375" AO GLOBE ***** CONTAINMENT LEAKAGE MONITORING SEALED SYSTEM SUPPLY-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.092A G3	REVISION..00
TV.LM.101D	LM	00.375" AO GLOBE ***** CONTAINMENT LEAKAGE MONITORING SEALED SYSTEM SUPPLY-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.092A H3	REVISION..00
NRV.MS.101A	MS	32.00" MO DISC ***** 'A' MAIN STEAM HEADER NON-RETURN VALVE	Q2	..C..	EXERCISE C3 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.070B D2	REVISION..02 RELIEF REQUEST MS.NOTE.01
NRV.MS.101B	MS	32.00" MO DISC ***** 'B' MAIN STEAM HEADER NON-RETURN VALVE	Q2	..C..	EXERCISE C3 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.070B J4	REVISION..02 RELIEF REQUEST MS.NOTE.01
NRV.MS.101C	MS	32.00" MO DISC ***** 'C' MAIN STEAM HEADER NON-RETURN VALVE	Q2	..C..	EXERCISE C3 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.070B D6	REVISION..02 RELIEF REQUEST MS.NOTE.01
SV.MS.101A	MS	06.00" SAFETY VALVE ***** 'A' MAIN STEAM HEADER SAFETY VALVE-SV DISCHARGE TO ATMOS	Q2	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.070B B3	REVISION..00

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SV.MS.101B	MS	06.00" SAFETY VALVE ***** 'B' MAIN STEAM HEADER SAFETY VALVE-SV DISCHARGE TO ATMOS	Q2	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.070B H5	REVISION..00
SV.MS.101C	MS	06.00" SAFETY VALVE ***** 'C' MAIN STEAM HEADER SAFETY VALVE-SV DISCHARGE TO ATMOS	Q2	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.070B B7	REVISION..00
SV.MS.102A	MS	06.00" SAFETY VALVE ***** 'A' MAIN STEAM HEADER SAFETY VALVE-SV DISCHARGE TO ATMOS	Q2	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.070B C3	REVISION..00
SV.MS.102B	MS	06.00" SAFETY VALVE ***** 'B' MAIN STEAM HEADER SAFETY VALVE-SV DISCHARGE TO ATMOS	Q2	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.070B H5	REVISION..00
SV.MS.102C	MS	06.00" SAFETY VALVE ***** 'C' MAIN STEAM HEADER SAFETY VALVE-SV DISCHARGE TO ATMOS	Q2	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.070B C7	REVISION..00
SV.MS.103A	MS	06.00" SAFETY VALVE ***** 'A' MAIN STEAM HEADER SAFETY VALVE-SV DISCHARGE TO ATMOS	Q2	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.070B C3	REVISION..00
SV.MS.103B	MS	06.00" SAFETY VALVE ***** 'B' MAIN STEAM HEADER SAFETY VALVE-SV DISCHARGE TO ATMOS	Q2	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.070B H5	REVISION..00
SV.MS.103C	MS	06.00" SAFETY VALVE ***** 'C' MAIN STEAM HEADER SAFETY VALVE-SV DISCHARGE TO ATMOS	Q2	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.070B B7	REVISION..00
SV.MS.104A	MS	06.00" SAFETY VALVE ***** 'A' MAIN STEAM HEADER SAFETY VALVE-SV DISCHARGE TO ATMOS	Q2	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.070B B3	REVISION..00

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VALVE MARK NUMBER	SYST	***** VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
SV.MS.104B	MS	06.00" SAFETY VALVE ***** 'B' MAIN STEAM HEADER SAFETY VALVE-SV DISCHARGE TO ATMOS	Q2	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.070B H5	REVISION..00
SV.MS.104C	MS	06.00" SAFETY VALVE ***** 'C' MAIN STEAM HEADER SAFETY VALVE-SV DISCHARGE TO ATMOS	Q2	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.070B B7	REVISION..00
SV.MS.105A	MS	06.00" SAFETY VALVE ***** 'A' MAIN STEAM HEADER SAFETY VALVE-SV DISCHARGE TO ATMOS	Q2	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.070B C3	REVISION..00
SV.MS.105B	MS	06.00" SAFETY VALVE ***** 'B' MAIN STEAM HEADER SAFETY VALVE-SV DISCHARGE TO ATMOS	Q2	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.070B I5	REVISION..00
SV.MS.105C	MS	06.00" SAFETY VALVE ***** 'C' MAIN STEAM HEADER SAFETY VALVE-SV DISCHARGE TO ATMOS	Q2	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.070B C7	REVISION..00
TV.MS.101A	MS	32.00" AO DISC ***** 'A' MAIN STEAM HEADER TRIP VALVE	Q2	.B...	EXERCISE C3 FAILSAFE C3 REMOT IND NR LEAK RATE ..	11715.FM.070B D4	REVISION..02 RELIEF REQUEST MS.NOTE.04
TV.MS.101B	MS	32.00" AO DISC ***** 'B' MAIN STEAM HEADER TRIP VALVE	Q2	.B...	EXERCISE C3 FAILSAFE C3 REMOT IND NR LEAK RATE ..	11715.FM.070B J5	REVISION..02 RELIEF REQUEST MS.NOTE.04
TV.MS.101C	MS	32.00" AO DISC ***** 'C' MAIN STEAM HEADER TRIP VALVE	Q2	.B...	EXERCISE C3 FAILSAFE C3 REMOT IND NR LEAK RATE ..	11715.FM.070B D7	REVISION..02 RELIEF REQUEST MS.NOTE.04
TV.MS.109	MS	03.00" AO GLOBE ***** MAIN STEAM HIGH PRESSURE DRAIN ISOLATION TO CONDENSER	Q3	.B...	EXERCISE C3 FAILSAFE C3 REMOT IND NR LEAK RATE ..	11715.FM.070A F7	REVISION..01 RELIEF REQUEST MS.NOTE.02

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
TV.MS.110	MS	01.50" AO GLOBE ***** MAIN STEAM HIGH PRESSURE DRAIN HEADER ISOLATION TO STEAM GENERATOR BLOWDOWN SYSTEM	Q3	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE ..	11715.FM.070B C9	REVISION..01
TV.MS.111A	MS	03.00" AO GLOBE ***** MAIN STEAM SUPPLY TRIP VALVE TO TURBINE DRIVEN AUXILIARY FEEDWATER PUMP	Q3	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE ..	11715.FM.070A D5	REVISION..00
TV.MS.111B	MS	03.00" AO GLOBE ***** MAIN STEAM SUPPLY TRIP VALVE TO TURBINE DRIVEN AUXILIARY FEEDWATER PUMP	Q3	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE ..	11715.FM.070A E5	REVISION..00
1.MS.019	MS	03.00" MAN CHECK VLV ***** 'A' MAIN STEAM HEADER SUPPLY CHECK VALVE TO DECAY HEAT RELEASE	Q2	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.070B C4	REVISION..01
1.MS.058	MS	03.00" MAN CHECK VLV ***** 'B' MAIN STEAM HEADER SUPPLY CHECK VALVE TO DECAY HEAT RELEASE	Q2	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.070B I5	REVISION..01
1.MS.096	MS	03.00" MAN CHECK VLV ***** 'C' MAIN STEAM HEADER SUPPLY CHECK VALVE TO DECAY HEAT RELEASE	Q2	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.070B C7	REVISION..01
1.MS.119	MS	03.00" CHECK VALVE ***** 'A' MAIN STEAM HEADER SUPPLY CHECK VALVE TO TURBINE DRIVEN AUXILIARY FEEDWATER PUMP	Q3	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.070A C4	REVISION..00
1.MS.122	MS	03.00" CHECK VALVE ***** 'B' MAIN STEAM HEADER SUPPLY CHECK VALVE TO TURBINE DRIVEN AUXILIARY FEEDWATER PUMP	Q3	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.070A C5	REVISION..00
1.MS.124	MS	03.00" CHECK VALVE ***** 'C' MAIN STEAM HEADER SUPPLY CHECK VALVE TO TURBINE DRIVEN AUXILIARY FEEDWATER PUMP	Q3	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.070A C5	REVISION..00

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1.MS.286	MS	03.00" TRIP VALVE ***** TURBINE DRIVEN AUXILIARY FEED WATER PUMP STEAM INLET TRIP THROTTLE VALVE	NQ	.B...	EXERCISE C3 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.070A G8	REVISION..01 RELIEF REQUEST MS.NOTE.03
MOV.QS.100A	QS	10.00" MO GATE ***** 'A' QUENCH SPRAY PUMP SUCTION ISOLATION VALVE FROM REFUELING WATER STORAGE TANK	Q3	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.091A I3	REVISION..00
MOV.QS.100B	QS	10.00" MO GATE ***** 'B' QUENCH SPRAY PUMP SUCTION ISOLATION FROM REFUELING WATER STORAGE TANK	Q3	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.091A I3	REVISION..00
MOV.QS.101A	QS	08.00" MO GATE ***** 'A' QUENCH SPRAY PUMP DISCHARG ISOLATION VALVE-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE 24	11715.FM.091A F2	REVISION..00
MOV.QS.101B	QS	08.00" MO GATE ***** 'B' QUENCH SPRAY PUMP DISCHARG ISOLATION VALVE-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE 24	11715.FM.091A F2	REVISION..00
MOV.QS.102A	QS	06.00" MO GATE ***** CHEMICAL ADDITION TANK DISCHARGE ISOLATION VALVE	Q3	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.091A K3	REVISION..00
MOV.QS.102B	QS	06.00" MO GATE ***** CHEMICAL ADDITION TANK DISCHARGE ISOLATION VALVE	Q3	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.091A K3	REVISION..00
1.QS.011	QS	08.00" WL CHECK VLV ***** 'A' QUENCH SPRAY PUMP INSIDE CONTAINMENT ISOLATION CHECK VALVE	Q2	A.C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.091A F2	REVISION..02 RELIEF REQUEST QS.NOTE.01
1.QS.019	QS	08.00" WL CHECK VLV ***** 'B' QUENCH SPRAY PUMP INSIDE CONTAINMENT ISOLATION CHECK VALVE	Q2	A.C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.091A F2	REVISION..02 RELIEF REQUEST QS.NOTE.01

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
MOV.1535	RC	03.00" MO GATE ***** BLOCK VALVE FOR PRESSURIZER POWER OPERATED RELIEF VALVE	Q1	.B...	EXERCISE 03 FAILSAFE .. REMOT IND 24 LEAK RATE ..	11/15.FM.093B I5	REVISION..01
MOV.1536	RC	03.00" MO GATE ***** BLOCK VALVE FOR PRESSURIZER POWER OPERATED RELIEF VALVE	Q1	.B...	EXERCISE 03 FAILSAFE .. REMOT IND 24 LEAK RATE ..	11/15.FM.093B I5	REVISION..01
PORV.1455C	RC	03.00" AO RELIEF VLV ***** PRESSURIZER POWER OPERATED RELIEF VALVE-RV DISCHARGE TO PRESSURIZER RELIEF TANK	Q1	.B...	EXERCISE C3 FAILSAFE C3 REMOT IND 24 LEAK RATE ..	11/15.FM.093B J5	REVISION..01 RELIEF REQUEST RC.NOTE.01
PORV.1456	RC	03.00" AO RELIEF VLV ***** PRESSURIZER POWER OPERATED RELIEF VALVE-RV DISCHARGE TO PRESSURIZER RELIEF TANK	Q1	.B...	EXERCISE C3 FAILSAFE C3 REMOT IND 24 LEAK RATE ..	11/15.FM.093B J5	REVISION..01 RELIEF REQUEST RC.NOTE.01
SOV.RC.101A.1	RC	01.00" SO GLOBE ***** REACTOR VESSEL VENT LINE ISOLATION VALVE TO REFUELING CAVITY	Q2	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE ..	11/15.FM.093A B4	REVISION..01
SOV.RC.101A.2	RC	01.00" SO GLOBE ***** REACTOR VESSEL VENT LINE ISOLATION VALVE TO REFUELING CAVITY	Q2	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE ..	11/15.FM.093A C4	REVISION..01
SOV.RC.101B.1	RC	01.00" SO GLOBE ***** REACTOR VESSEL VENT LINE ISOLATION VALVE TO REFUELING CAVITY	Q2	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE ..	11/15.FM.093A B5	REVISION..01
SOV.RC.101B.2	RC	01.00" SO GLOBE ***** REACTOR VESSEL VENT LINE ISOLATION VALVE TO REFUELING CAVITY	Q2	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE ..	11/15.FM.093A C5	REVISION..01
SOV.RC.102A.1	RC	01.00" SO GLOBE ***** PRESSURIZER VENT LINE ISOLATION VALVE TO REFUELING CAVITY	Q2	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE ..	11/15.FM.093B L3	REVISION..01

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
SOV.RC.102A.2	RC	01.00" SO GLOBE ***** PRESSURIZER VENT LINE ISOLATION VALVE TO REFUELING CAVITY	Q2	.B..	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE ..	11715.FM.093B L4	REVISION..01
SOV.RC.102B.1	RC	01.00" SO GLOBE ***** PRESSURIZER VENT LINE ISOLATION VALVE TO REFUELING CAVITY	Q2	.B..	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE ..	11715.FM.093B K3	REVISION..01
SOV.RC.102B.2	RC	01.00" SO GLOBE ***** PRESSURIZER VENT LINE ISOLATION VALVE TO REFUELING CAVITY	Q2	.B..	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE ..	11715.FM.093B K4	REVISION..01
SV.1551A	RC	06.00" SAFETY VALVE ***** PRESSURIZER SAFETY VALVE- SV DISCHARGE TO PRESSURIZER RELIEF TANK	Q1	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.093B F4	REVISION..00
SV.1551B	RC	06.00" SAFETY VALVE ***** PRESSURIZER SAFETY VALVE- SV DISCHARGE TO PRESSURIZER RELIEF TANK	Q1	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.093B G4	REVISION..00
SV.1551C	RC	06.00" SAFETY VALVE ***** PRESSURIZER SAFETY VALVE- SV DISCHARGE TO PRESSURIZER RELIEF TANK	Q1	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.093B H4	REVISION..00
TV.1519A	RC	03.00" AO GLOBE ***** PRIMARY GRADE WATER SUPPLY TO PRT.#2 RCP SEAL STANDPIPES & FLUSH CONNECT-OUT CONT ISO VLV	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.093B A6	REVISION..00
1.RC.149	RC	03.00" CHECK VALVE ***** PRIMARY GRADE WATER SUPPLY TO PRT.#2 RCP SEAL STANDPIPES & FLUSH CONNECT-IN CONT ISO VLV	Q2	A.C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.093B B6	REVISION..02 RELIEF REQUEST RC.NOTE.02
1.RC.176	RC	00.125" MANUAL NEEDLE ***** PRESSURIZER PRESSURE DEAD WEIGHT TESTER ISOLATION- OUTSIDE CONT ISOLATION VALVE	Q1	A...E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.093B I6	REVISION..00

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI 1WV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
1.RC.178	RC	00.125" MANUAL NEEDLE ***** PRESSURIZER PRESSURE DEAD WEIGHT TESTER ISOLATION- OUTSIDE CONT ISOLATION VALVE	Q1	A...E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.093B J6	REVISION..00
FCV.1605	RH	12.00" AO BFLY ***** RHR HEAT EXCHANGERS BYPASS FLOW CONTROL VALVE	Q2	.B...	EXERCISE C3 FAILSAFE C3 REMOT IND 24 LEAK RATE ..	11715.FM.094A C5	REVISION..02 RELIEF REQUEST RHR.NOTE.03
HCV.1758	RH	12.00" AO BFLY ***** RHR HEAT EXCHANGERS DISCHARGE FLOW CONTROL VALVE	Q2	.B...	EXERCISE C3 FAILSAFE C3 REMOT IND 24 LEAK RATE ..	11715.FM.094A F4	REVISION..02 RELIEF REQUEST RHR.NOTE.03
MOV.1700	RH	14.00" MO GATE ***** RHR PUMP SUPPLY ISOLATION FROM 'A' HOT LEG-INSIDE MISSLE BARRIER	Q1	.B...	EXERCISE C3 FAILSAFE .. REMOT IND 24 LEAK RATE ..	11715.FM.094A H7	REVISION..01 RELIEF REQUEST RHR.NOTE.01
MOV.1701	RH	14.00" MO GATE ***** RHR PUMP SUPPLY ISOLATION FROM 'A' HOT LEG-OUTSIDE MISSLE BARRIER	Q1	.B...	EXERCISE C3 FAILSAFE .. REMOT IND 24 LEAK RATE ..	11715.FM.094A H7	REVISION..01 RELIEF REQUEST RHR.NOTE.01
MOV.1720A	RH	10.00" MO GATE ***** RHR RETURN ISOLATION TO 'B' ACCUMULATOR DISCHARGE LINE	Q1	.B...	EXERCISE C3 FAILSAFE .. REMOT IND 24 LEAK RATE ..	11715.FM.094A I5	REVISION..01 RELIEF REQUEST RHR.NOTE.01
MOV.1720B	RH	10.00" MO GATE ***** RHR RETURN ISOLATION TO 'C' ACCUMULATOR DISCHARGE LINE	Q1	.B...	EXERCISE C3 FAILSAFE .. REMOT IND 24 LEAK RATE ..	11715.FM.094A I6	REVISION..01 RELIEF REQUEST RHR.NOTE.01
RV.1721A	RH	03.00" RELIEF VALVE ***** RHR SYSTEM RELIEF VALVE AT 'A' RHR PUMP SUCTION-RV DISCHARGE TO PRESSURIZER RELIEF TANK	Q3	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.094A C6	REVISION..00
RV.1721B	RH	03.00" RELIEF VALVE ***** RHR SYSTEM RELIEF VALVE AT 'B' RHR PUMP SUCTION-RV DISCHARGE TO PRESSURIZER RELIEF TANK	Q3	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.094A E6	REVISION..00

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VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
1.RH.007	RH	10.00" CHECK VALVE ***** 'B' RHR PUMP DISCHARGE CHECK VALVE	Q2	..C..	EXERCISE C3 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.094A D6	REVISION..00 RELIEF REQUEST RHR.NOTE.02
1.RH.015	RH	10.00" CHECK VALVE ***** 'A' RHR PUMP DISCHARGE CHECK VALVE	Q2	..C..	EXERCISE C3 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.094A B6	REVISION..00 RELIEF REQUEST RHR.NOTE.02
1.RH.036	RH	06.00" MANUAL GATE ***** RHR SUPPLY ISOLATION TO REFUEL WATER STORAGE TANK-INSIDE CONTAINMENT ISOLATION VALVE	Q2	A...E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.094A G4	REVISION..00
1.RH.037	RH	06.00" MANUAL GATE ***** RHR SUPPLY ISOLATION TO REFUEL WATER STORAGE TANK-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.094A H2	REVISION..00
TV.RM.100A	RM	01.00" AO GLOBE ***** RETURN ISOLATION FROM AIR RADIATION MONITOR TO CONTAIN- OUTSIDE CONT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.082N L4	REVISION..00
TV.RM.100B	RM	01.00" AO GLOBE ***** SUPPLY ISOL TO AIR RAD MONITOR FROM CONTAINMENT VENT DUCT- OUTSIDE CONT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.082N K4	REVISION..00
TV.RM.100C	RM	01.00" AO GLOBE ***** SUPPLY ISOL TO AIR RAD MONITOR FROM CONTAINMENT VENT DUCT- INSIDE CONT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE 24	11715.FM.082N L4	REVISION..00
TV.RM.100D	RM	01.00" AO GLOBE ***** RETURN ISOL FROM AIR RADIATION MONITOR TO CONTAINMENT OUTSIDE CONT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.082N K4	REVISION..01
1.RP.006	RP	06.00" MANUAL DIA ***** REFUELING PURIFICATION FROM REACTOR CAVITY TO RP PUMPS- INSIDE CONT ISOLATION VALVE	Q2	A...E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.088A B5	REVISION..01

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY #MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
1.RP.008	RP	06.00" MANUAL DIA ***** REFUELING PURIFICATION FROM REACTOR CAVITY TO RP PUMPS- OUTSIDE CONT ISOLATION VALVE	Q2	A...E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.088A C5	REVISION..01
1.RP.026	RP	06.00" MANUAL DIA ***** REFUELING PURIFICATION FROM RP PUMPS TO REACTOR CAVITY- OUTSIDE CONT ISOLATION VALVE	Q2	A...E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.088A C5	REVISION..01
1.RP.028	RP	06.00" MANUAL DIA ***** REFUELING PURIFICATION FROM RP PUMPS TO REACTOR CAVITY- INSIDE CONT ISOLATION VALVE	Q2	A...E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.088A C5	REVISION..01
MOV.RS.100A	RS	08.00" MO GATE ***** 'A' CASING COOLING PUMP DISCHARGE ISOL TO 'A' OUTSIDE RECIRC SPRAY PUMP SUCTION	Q2	A....	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE 24	11715.FM.091B C2	REVISION..00
MOV.RS.100B	RS	06.00" MO GATE ***** 'B' CASING COOLING PUMP DISCHARGE ISOL TO 'B' OUTSIDE RECIRC SPRAY PUMP SUCTION	Q2	A....	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE 24	11715.FM.091B C3	REVISION..00
MOV.RS.101A	RS	06.00" MO GATE ***** 'A' CASING COOLING PUMP DISCHARGE ISOL TO 'A' OUTSIDE RECIRC SPRAY PUMP SUCTION	Q2	A....	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE 24	11715.FM.091B E2	REVISION..00
MOV.RS.101B	RS	06.00" MO GATE ***** 'B' CASING COOLING PUMP DISCHARGE ISOL TO 'B' OUTSIDE RECIRC SPRAY PUMP SUCTION	Q2	A....	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE 24	11715.FM.091B E3	REVISION..00
MOV.RS.155A	RS	12.00" MO GATE ***** 'A' OUTSIDE RECIRC SPRAY PUMP SUCTION ISOL VALVE FROM CON- TAINMENT SUMP & CASING COOLING	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.091A G8	REVISION..01
MOV.RS.155B	RS	12.00" MO GATE ***** 'B' OUTSIDE RECIRC SPRAY PUMP SUCTION ISOL VALVE FROM CON- TAINMENT SUMP & CASING COOLING	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.091A G8	REVISION..01

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
MOV.RS.155A	RS	10.00" MO GATE ***** 'A' OUTSIDE RECIRC SPRAY PUMP DISCHARGE ISOLATION-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE 24	11715.FM.091A F6	REVISION..02
MOV.RS.1563	RS	10.00" MO GATE ***** 'A' OUTSIDE RECIRC SPRAY PUMP DISCHARGE ISOLATION-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE 24	11715.FM.091A F6	REVISION..02
1.RS.018	RS	10.00" WL CHECK VLV ***** 'A' OUTSIDE RECIRC SPRAY PUMP INSIDE CONTAINMENT ISOLATION CHECK VALVE	Q2	A.C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.091A F6	REVISION..02 RELIEF REQUEST RS.NOTE.J1
1.RS.027	RS	10.00" WL CHECK VLV ***** 'B' OUTSIDE RECIRC SPRAY PUMP INSIDE CONTAINMENT ISOLATION CHECK VALVE	Q2	A.C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.091A F6	REVISION..02 RELIEF REQUEST RS.NOTE.01
1.RS.123	RS	08.00" CHECK VALVE ***** 'A' CASING COOLING PUMP DISCHARGE CHECK VALVE TO 'A' OUTSIDE RECIRC SPRAY PUMP SUCT	Q2	..C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.091B C3	REVISION..02 RELIEF REQUEST RS.NOTE.02
1.RS.138	RS	08.00" CHECK VALVE ***** 'B' CASING COOLING PUMP DISCHARGE CHECK VALVE TO 'B' OUTSIDE RECIRC SPRAY PUMP SUCT	Q2	..C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.091B C2	REVISION..02 RELIEF REQUEST RS.NOTE.02
1.SA.002	SA	02.00" MANUAL GATE ***** SERVICE AIR SUPPLY TO UNIT 1 CONTAINMENT-INSIDE CONTAINMENT ISOLATION VALVE	Q2	A...E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.082F C5	REVISION..01
1.SA.029	SA	02.00" MANUAL GLOBE ***** SERVICE AIR SUPPLY TO UNIT 1 CONTAINMENT-OUTSIDE CONTAIN- MENT ISOLATION VALVE	Q2	A...E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.082F C6	REVISION..01
HCV.1936	SI	01.00" AO GATE ***** WASTE GAS FROM ACCUMULATORS TO CHARCOAL FILTERS	Q2	A...	EXERCISE C3 FAILSAFE C3 REMOT IND 24 LEAK RATE 24	11715.FM.096B H4	REVISION..00 RELIEF REQUEST SI.NOTE.01

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MOV.1836	SI	03.00" MO GATE ***** HIGH HEAD SI FROM CHARGING HEADER TO RCS COLD LEGS- OUTSIDE CONT ISOLATION VALVE	Q1	A...	EXERCISE C3 FAILSAFE .. REMOT IND NR LEAK RATE 24	11715.FM.096A A2	REVISION..01 RELIEF REQUEST SI.NOTE.02
MOV.1860A	SI	12.00" MO GATE ***** 'A' LOW HEAD SI PUMP SUCTION ISOLATION FROM CONTAINMENT SUMP	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.096A C8	REVISION..00
MOV.1860B	SI	12.00" MO GATE ***** 'B' LOW HEAD SI PUMP SUCTION ISOLATION FROM CONTAINMENT SUMP	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.096A F8	REVISION..00
MOV.1862A	SI	12.00" MO GATE ***** 'A' LOW HEAD SI PUMP SUCTION FROM RWST	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.096A G9	REVISION..00
MOV.1862B	SI	12.00" MO GATE ***** 'B' LOW HEAD SI PUMP SUCTION FROM RWST	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.096A H8	REVISION..00
MOV.1863A	SI	08.00" MO GATE ***** 'A' LOW HEAD SAFETY INJECTION PUMP SUPPLY ISOLATION TO CHARGING PUMPS	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.096A D6	REVISION..00
MOV.1863B	SI	08.00" MO GATE ***** 'B' LOW HEAD SAFETY INJECTION PUMP SUPPLY ISOLATION TO CHARGING PUMPS	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.096A G5	REVISION..01
MOV.1864A	SI	10.00" MO GATE ***** 'A' LOW HEAD SI PUMP COLD LEG DISCHARGE STOP VALVE	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.096A B6	REVISION..01
MOV.1864B	SI	10.00" MO GATE ***** 'B' LOW HEAD SI PUMP COLD LEG DISCHARGE STOP VALVE	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.096A C6	REVISION..01

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VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI 1WV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
MOV.1865A	SI	12.00" MO GATE ***** 'A' ACCUMULATOR DISCHARGE ISOLATION VALVE TO RCS COLD LEG	Q3	.B...	EXERCISE C3 FAILSAFE .. REMOT IND 24 LEAK RATE ..	11715.FM.096B C5	REVISION..00 RELIEF REQUEST SI.NOTE.03
MOV.1865B	SI	12.00" MO GATE ***** 'B' ACCUMULATOR DISCHARGE ISOLATION VALVE TO RCS COLD LEG	Q3	.B...	EXERCISE C3 FAILSAFE .. REMOT IND 24 LEAK RATE ..	11715.FM.096B G6	REVISION..00 RELIEF REQUEST SI.NOTE.03
MOV.1865C	SI	12.00" MO GATE ***** 'C' ACCUMULATOR DISCHARGE ISOLATION VALVE TO RCS COLD LEG	Q3	.B...	EXERCISE C3 FAILSAFE .. REMOT IND 24 LEAK RATE ..	11715.FM.096B C8	REVISION..00 RELIEF REQUEST SI.NOTE.03
MOV.1867A	SI	03.00" MO GATE ***** BORON INJECTION TANK HIGH HEAD SI INLET VALVE	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.096A I2	REVISION..00
MOV.1867B	SI	03.00" MO GATE ***** BORON INJECTION TANK HIGH HEAD SI INLET VALVE	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.096A I2	REVISION..00
MOV.1867C	SI	03.00" MO GATE ***** BORON INJECTION TANK OUTLET TO RCS COLD LEG-OUTSIDE CONTAIN ISOLATION VALVE	Q1	A...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE 24	11715.FM.096A B1	REVISION..02
MOV.1867D	SI	03.00" MO GATE ***** BORON INJECTION TANK OUTLET TO RCS COLD LEG-OUTSIDE CONTAIN ISOLATION VALVE	Q1	A...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE 24	11715.FM.096A C2	REVISION..02
MOV.1869A	SI	03.00" MO GATE ***** HIGH HEAD SI FROM CHARGING HEADER TO RCS HOT LEGS-OUTSIDE CONTAINMENT ISOLATION VALVE	Q1	A...	EXERCISE C3 FAILSAFE .. REMOT IND NR LEAK RATE 24	11715.FM.096A B2	REVISION..01 RELIEF REQUEST SI.NOTE.02
MOV.1869B	SI	03.00" MO GATE ***** HIGH HEAD SI FROM CHARGING HEADER TO RCS HOT LEGS-OUTSIDE CONTAINMENT ISOLATION VALVE	Q1	A...	EXERCISE C3 FAILSAFE .. REMOT IND NR LEAK RATE 24	11715.FM.096A B3	REVISION..01 RELIEF REQUEST SI.NOTE.02

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
MOV.1885A	SI	02.00" MO GLOBE ***** 'A' LOW HEAD SI PUMP MINIMUM FLOW/TEST LINE ISOLATION	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.096A J6	REVISION..00
MOV.1885B	SI	02.00" MO GLOBE ***** 'B' LOW HEAD SI PUMP MINIMUM FLOW/TEST LINE ISOLATION	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.096A H7	REVISION..00
MOV.1885C	SI	02.00" MO GLOBE ***** 'A' LOW HEAD SI PUMP MINIMUM FLOW/TEST LINE ISOLATION	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.096A J5	REVISION..00
MOV.1885D	SI	02.00" MO GLOBE ***** 'B' LOW HEAD SI PUMP MINIMUM FLOW/TEST LINE ISOLATION	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.096A I7	REVISION..00
MOV.1890A	SI	10.00" MO GATE ***** 'A' LOW HEAD SI PUMP HOT LEG DISCHARGE STOP VALVE-OUTSIDE CONTAINMENT ISOLATION VALVE	Q1	A...	EXERCISE C3 FAILSAFE .. REMOT IND NR LEAK RATE 24	11715.FM.096A B6	REVISION..01 RELIEF REQUEST SI.NOTE.02
MOV.1890B	SI	10.00" MO GATE ***** 'B' LOW HEAD SI PUMP HOT LEG DISCHARGE STOP VALVE-OUTSIDE CONTAINMENT ISOLATION VALVE	Q1	A...	EXERCISE C3 FAILSAFE .. REMOT IND NR LEAK RATE 24	11715.FM.096A B5	REVISION..01 RELIEF REQUEST SI.NOTE.02
MOV.1890C	SI	10.00" MO GATE ***** LOW HEAD SI PUMPS COLD LEG DISCHARGE STOP VALVE-OUTSIDE CONTAINMENT ISOLATION VALVE	Q1	A...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE 24	11715.FM.096A B6	REVISION..01
MOV.1890D	SI	10.00" MO GATE ***** LOW HEAD SI PUMPS COLD LEG DISCHARGE STOP VALVE-OUTSIDE CONTAINMENT ISOLATION VALVE	Q1	A...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE 24	11715.FM.096A B6	REVISION..01
RV.1845A	SI	00.75" RELIEF VALVE ***** 'A' LOW HEAD SI PUMP DISCHARGE RELIEF VALVE-RV DISCHARGE TO SAFEGUARDS AREA SUMP	Q2	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.096A C5	REVISION..00

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
RV.1845B	SI	00.75" RELIEF VALVE ***** LOW HEAD SI HEADER TO COLD LEG RELIEF VALVE-RV DISCHARGE TO SAFEGUARDS AREA SUMP	Q2	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.096A B7	REVISION..00
RV.1845C	SI	00.75" RELIEF VALVE ***** 'B' LOW HEAD SI PUMP DISCHARGE RELIEF VALVE-RV DISCHARGE TO SAFEGUARDS AREA SUMP	Q2	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.096A C6	REVISION..00
RV.1857	SI	00.75" RELIEF VALVE ***** BORON INJECTION TANK RELIEF VALVE-RV DISCHARGE TO FLOOR DRAIN	Q2	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.096A B2	REVISION..00
RV.1858A	SI	01.00" RELIEF VALVE ***** 'A' ACCUMULATOR RELIEF VALVE	Q3	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.096B C4	REVISION..00
RV.1858B	SI	01.00" RELIEF VALVE ***** 'B' ACCUMULATOR RELIEF VALVE	Q3	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.096B C5	REVISION..00
RV.1858C	SI	01.00" RELIEF VALVE ***** 'C' ACCUMULATOR RELIEF VALVE	Q3	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.096B C7	REVISION..00
TV.SI.100	SI	01.00" AO GLOBE ***** NITROGEN SUPPLY TO ACCUMULATORS-OUTSIDE CONTAIN ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.096B K4	REVISION..00
TV.SI.101	SI	01.00" AO GLOBE ***** ACCUMULATORS TO WASTE GAS CHARCOAL FILTERS-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.096B J5	REVISION..00
TV.1842	SI	00.75" AO GLOBE ***** ACCUMULATOR TEST LINE-INSIDE CONTAINMENT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE 24	11715.FM.096B J4	REVISION..00

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
TV.1859	SI	00.75" AO GLOBE ***** ACCUMULATOR TEST LINE-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.096A A5	REVISION..00
TV.1884A	SI	01.00" AO GLOBE ***** BORON INJECTION TANK RETURN ISOLATION TO BORIC ACID STORAGE TANK	Q2	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE ..	11715.FM.096A H1	REVISION..01
TV.1884B	SI	01.00" AO GLOBE ***** BORON INJECTION TANK RETURN ISOLATION TO BORIC ACID STORAGE TANK	Q2	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE ..	11715.FM.096A H1	REVISION..01
TV.1884C	SI	01.00" AO GLOBE ***** BORON INJECTION TANK SUPPLY ISOLATION FROM BORIC ACID TRANSFER PUMPS	Q2	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE ..	11715.FM.096A G2	REVISION..01
1.SI.001	SI	12.00" CHECK VALVE ***** 'A' LOW HEAD SI PUMP SUCTION CHECK VALVE FROM CONTAINMENT SUMP	Q2	..C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.096A C8	REVISION..02 RELIEF REQUEST SI.NOTE.05
1.SI.004	SI	00.75" CHECK VALVE ***** 'A' LOW HEAD SI PUMP SEAL WATER SUPPLY CHECK VALVE FROM RWST	Q2	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.096A C7	REVISION..00
1.SI.009	SI	10.00" CHECK VALVE ***** 'A' LOW HEAD SI PUMP DISCHARGE CHECK VALVE	Q2	..C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.096A D7	REVISION..02 RELIEF REQUEST SI.NOTE.06
1.SI.012	SI	02.00" CHECK VALVE ***** 'A' LOW HEAD SI PUMP MINIMUM FLOW/TEST LINE DISCHARGE CHECK VALVE	Q2	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.096A D7	REVISION..00
1.SI.016	SI	12.00" CHECK VALVE ***** 'B' LOW HEAD SI PUMP SUCTION CHECK VALVE FROM CONTAINMENT SUMP	Q2	..C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.096A F8	REVISION..02 RELIEF REQUEST SI.NOTE.05

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
1.SI.018	SI	12.00" CHECK VALVE ***** RWST SUPPLY CHECK VALVE TO 'B' LOW HEAD SI PUMP SUCTION	Q2	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.096A H8	REVISION..01
1.SI.021	SI	00.75" CHECK VALVE ***** 'B' LOW HEAD SI PUMP SEAL WATER SUPPLY CHECK VALVE	Q2	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.096A F7	REVISION..00
1.SI.026	SI	10.00" CHECK VALVE ***** 'B' LOW HEAD SI PUMP DISCHARGE CHECK VALVE	Q2	..C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.096A G7	REVISION..02 RELIEF REQUEST SI.NOTE.06
1.SI.029	SI	02.00" CHECK VALVE ***** 'B' LOW HEAD SI PUMP MINIMUM FLOW/TEST LINE DISCHARGE CHECK VALVE	Q2	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.096A G7	REVISION..00
1.SI.047	SI	08.00" CHECK VALVE ***** RWST SUPPLY CHECK VALVE TO CHARGING PUMP SUCTION HEADER	Q3	..C..	EXERCISE C3 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.096A F4	REVISION..00 RELIEF REQUEST SI.NOTE.07
1.SI.058	SI	01.00" MANUAL GLOBE ***** ACCUMULATOR MAKEUP LINE- OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.096A A4	REVISION..00
1.SI.066	SI	01.00" CHECK VALVE ***** BORON INJECTION TANK SUPPLY CHECK VALVE FROM BORIC ACID TRANSFER PUMPS	Q2	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.096A G2	REVISION..00
1.SI.077	SI	01.00" MANUAL GLOBE ***** BORON INJECTION TANK BYPASS LINE ISOLATION VALVE- TO RCS COLD LEG	Q1	A...E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.096A B1	REVISION..02
1.SI.079	SI	03.00" CHECK VALVE ***** HIGH HEAD SI FROM CHARGING PUMPS TO RCS COLD LEGS-INSIDE CONT ISOLATION CHECK VALVE	Q1	A.C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.096B J1	REVISION..02 RELIEF REQUEST SI.NOTE.11

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI 1WV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
1.SI.083	SI	06.00" CHECK VALVE ***** 'A' RCS COLD LEG SI ADMISSION CHECK VALVE	Q1	A.C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE C9	11715.FM.096B A1	REVISION..02 RELIEF REQUEST SI.NOTE.09
1.SI.086	SI	06.00" CHECK VALVE ***** 'B' RCS COLD LEG SI ADMISSION CHECK VALVE	Q1	A.C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE C9	11715.FM.096B A1	REVISION..02 RELIEF REQUEST SI.NOTE.09
1.SI.089	SI	06.00" CHECK VALVE ***** 'C' RCS COLD LEG SI ADMISSION CHECK VALVE	Q1	A.C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE C9	11715.FM.096B A2	REVISION..02 RELIEF REQUEST SI.NOTE.09
1.SI.090	SI	03.00" CHECK VALVE ***** HIGH HEAD SI FROM CHARGING PUMPS TO RCS HOT LEGS-INSIDE CONT ISOLATION CHECK VALVE	Q1	A.C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.096B J3	REVISION..02 RELIEF REQUEST SI.NOTE.11
1.SI.095	SI	06.00" CHECK VALVE ***** 'B' RCS HOT LEG SI ADMISSION CHECK VALVE	Q1	A.C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.096B A2	REVISION..02 RELIEF REQUEST SI.NOTE.11
1.SI.099	SI	06.00" CHECK VALVE ***** 'A' RCS HOT LEG SI ADMISSION CHECK VALVE	Q1	A.C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.096B A2	REVISION..02 RELIEF REQUEST SI.NOTE.11
1.SI.103	SI	06.00" CHECK VALVE ***** 'C' RCS HOT LEG SI ADMISSION CHECK VALVE	Q1	A.C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.096B A3	REVISION..02 RELIEF REQUEST SI.NOTE.11
1.SI.106	SI	01.00" CHECK VALVE ***** NITROGEN SUPPLY TO ACCUMULATORS-INSIDE CONTAIN ISOLATION CHECK VALVE	Q2	A.C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.096B J4	REVISION..00 RELIEF REQUEST SI.NOTE.08
1.SI.110	SI	01.00" CHECK VALVE ***** ACCUMULATOR MAKE UP LINE- INSIDE CONTAINMENT ISOLATION CHECK VALVE	Q2	A.C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.096B I4	REVISION..00 RELIEF REQUEST SI.NOTE.08

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VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
1.SI.125	SI	12.00" CHECK VALVE ***** 'A' ACCUMULATOR DISCHARGE CHECK VALVE	Q1	A.C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.096B C5	REVISION..02 RELIEF REQUEST SI.NOTE.10
1.SI.127	SI	12.00" CHECK VALVE ***** 'A' ACCUMULATOR COLD LEG ADMISSION CHECK VALVE	Q1	A.C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.096B A5	REVISION..02 RELIEF REQUEST SI.NOTE.10
1.SI.142	SI	12.00" CHECK VALVE ***** 'B' ACCUMULATOR DISCHARGE CHECK VALVE	Q1	A.C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.096B G7	REVISION..02 RELIEF REQUEST SI.NOTE.10
1.SI.144	SI	12.00" CHECK VALVE ***** 'B' ACCUMULATOR COLD LEG ADMISSION CHECK VALVE	Q1	A.C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.096B A7	REVISION..02 RELIEF REQUEST SI.NOTE.10
1.SI.159	SI	12.00" CHECK VALVE ***** 'C' ACCUMULATOR DISCHARGE CHECK VALVE	Q1	A.C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.096B C9	REVISION..02 RELIEF REQUEST SI.NOTE.10
1.SI.161	SI	12.00" CHECK VALVE ***** 'C' ACCUMULATOR COLD LEG ADMISSION CHECK VALVE	Q1	A.C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.096B A9	REVISION..02 RELIEF REQUEST SI.NOTE.10
1.SI.185	SI	03.00" CHECK VALVE ***** HIGH HEAD SI FR CHARGING PUMPS TO RCS COLD LEGS-INSIDE CONT ISOLATION CHECK VALVE	Q1	A.C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.096B J1	REVISION..02 RELIEF REQUEST SI.NOTE.11
1.SI.190	SI	02.00" CHECK VALVE ***** HIGH HEAD SI TO 'A' RCS COLD LEG-INSIDE MISSILE BARRIER CHECK VALVE	Q1	..C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.096B D1	REVISION..02 RELIEF REQUEST SI.NOTE.12
1.SI.192	SI	02.00" CHECK VALVE ***** HIGH HEAD SI TO 'B' RCS COLD LEG-INSIDE MISSILE BARRIER CHECK VALVE	Q1	..C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.096B C1	REVISION..02 RELIEF REQUEST SI.NOTE.12

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
1.SI.194	SI	02.00" CHECK VALVE ***** HIGH HEAD SI TO 'C' RCS COLD LEG-INSIDE MISSILE BARRIER CHECK VALVE	Q1	.C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.096B C2	REVISION..02 RELIEF REQUEST SI.NOTE.12
1.SI.195	SI	06.00" CHECK VALVE ***** LOW HEAD SI TO 'A' RCS COLD LEG-INSIDE CONT ISOLATION CHECK VALVE	Q1	A.C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE C9	11715.FM.096B D2	REVISION..02 RELIEF REQUEST SI.NOTE.09
1.SI.197	SI	06.00" CHECK VALVE ***** LOW HEAD SI TO 'B' RCS COLD LEG-INSIDE CONT ISOLATION CHECK VALVE	Q1	A.C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE C9	11715.FM.096B C2	REVISION..02 RELIEF REQUEST SI.NOTE.09
1.SI.199	SI	06.00" CHECK VALVE ***** LOW HEAD SI TO 'C' RCS COLD LEG-INSIDE CONT ISOLATION CHECK VALVE	Q1	A.C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE C9	11715.FM.096B C2	REVISION..02 RELIEF REQUEST SI.NOTE.09
1.SI.201	SI	03.00" CHECK VALVE ***** HIGH HEAD SI FROM CHARGING PUMPS TO RCS HOT LEGS-INSIDE CONT ISOLATION CHECK VALVE	Q1	A.C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.096B J2	REVISION..02 RELIEF REQUEST SI.NOTE.11
1.SI.206	SI	06.00" CHECK VALVE ***** LOW HEAD SI FROM 'A' LHSI PUMP TO RCS HOT LEGS-INSIDE CONT ISOLATION CHECK VALVE	Q1	A.C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.096B J3	REVISION..02 RELIEF REQUEST SI.NOTE.11
1.SI.207	SI	06.00" CHECK VALVE ***** LOW HEAD SI FROM 'B' LHSI PUMP TO RCS HOT LEGS-INSIDE CONT ISOLATION CHECK VALVE	Q1	A.C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.096B J4	REVISION..02 RELIEF REQUEST SI.NOTE.11
1.SI.209	SI	06.00" CHECK VALVE ***** LOW HEAD SAFETY INJECTION SUPPLY CHECK VALVE TO 'A' RCS HOT LEG	Q1	A.C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.096B C3	REVISION..02 RELIEF REQUEST SI.NOTE.11
1.SI.211	SI	06.00" CHECK VALVE ***** LOW HEAD SAFETY INJECTION SUPPLY CHECK VALVE TO 'B' RCS HOT LEG	Q1	A.C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.096B D2	REVISION..02 RELIEF REQUEST SI.NOTE.11

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VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY #MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
1.SI.213	SI	06.00" CHECK VALVE ***** LOW HEAD SAFETY INJECTION SUPPLY CHECK VALVE TO 'C' RCS HOT LEG	Q1	A.C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.096B D3	REVISION..02 RELIEF REQUEST SI.NOTE.11
1.SI.305	SI	12.00" MANUAL GATE ***** 'A' LOW HEAD SI PUMP SUCTION ISOLATION VALVE	Q2	.B..E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.096A D8	REVISION..01
1.SI.306	SI	12.00" MANUAL GATE ***** 'B' LOW HEAD SI PUMP SUCTION ISOLATION VALVE	Q2	.B..E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.096A G8	REVISION..01
TV.SS.100A	SS	00.375" AO GLOBE ***** PRESSURIZER LIQUID SPACE SAMPLE LINE-INSIDE CONTAINMENT ISOLATION VALVE	Q1	A....	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE 24	11715.FM.089D E2	REVISION..00
TV.SS.100B	SS	00.375" AO GLOBE ***** PRESSURIZER LIQUID SPACE SAMPLE LINE-OUTSIDE CONTAINMEN ISOLATION VALVE	Q1	A....	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.089D F2	REVISION..00
TV.SS.101A	SS	00.375" AO GLOBE ***** PRESSURIZER VAPOR SPACE SAMPLE LINE-INSIDE CONTAINMENT ISOLATION VALVE	Q1	A....	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE 24	11715.FM.089D E2	REVISION..00
TV.SS.101B	SS	00.375" AO GLOBE ***** PRESSURIZER VAPOR SPACE SAMPLE LINE-OUTSIDE CONTAINMEN ISOLATION VALVE	Q1	A....	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.089D F2	REVISION..00
TV.SS.102A	SS	00.375" AO GLOBE ***** REACTOR COOLANT COLD LEGS SAMPLE HEADER-INSIDE CONTAIN ISOLATION VALVE	Q1	A....	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE 24	11715.FM.089D E3	REVISION..00
TV.SS.102B	SS	00.375" AO GLOBE ***** REACTOR COOLANT COLD LEGS SAMPLE HEADER-OUTSIDE CONTAIN ISOLATION VALVE	Q1	A....	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.089D F3	REVISION..00

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
TV.SS.103A	SS	00.375" AO GLOBE ***** RHR SAMPLE HEADER-INSIDE CONTAINMENT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE 24	11715.FM.089D D1	REVISION..01
TV.SS.103B	SS	00.375" AO GLOBE ***** RHR SAMPLE HEADER-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.089D F1	REVISION..00
TV.SS.104A	SS	00.375" AO GLOBE ***** PRESSURIZER RELIEF TANK GAS SPACE SAMPLE LINE-INSIDE CONTAINMENT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE 24	11715.FM.089D E4	REVISION..00
TV.SS.104B	SS	00.375" AO GLOBE ***** PRESSURIZER RELIEF TANK GAS SPACE SAMPLE LINE-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.089D F4	REVISION..00
TV.SS.106A	SS	00.375" AO GLOBE ***** REACTOR COOLANT HOT LEGS SAMPLE HEADER-INSIDE CONTAIN ISOLATION VALVE	Q1	A...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE 24	11715.FM.089D E2	REVISION..00
TV.SS.106B	SS	00.375" AO GLOBE ***** REACTOR COOLANT HOT LEGS SAMPLE HEADER-OUTSIDE CONTAIN ISOLATION VALVE	Q1	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.089D F2	REVISION..00
TV.SS.107A	SS	00.375" AO GLOBE ***** 'A' RHR LOOP SAMPLE LINE ISOLATION VALVE-INSIDE CONTAIN	Q2	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE ..	11715.FM.089D C1	REVISION..01
TV.SS.107B	SS	00.375" AO GLOBE ***** 'B' RHR LOOP SAMPLE LINE ISOLATION VALVE-INSIDE CONTAIN	Q2	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE ..	11715.FM.089D C1	REVISION..01
TV.SS.108A	SS	00.375" AO GLOBE ***** 'A' REACTOR COOLANT HOT LEG SAMPLE LINE ISOLATION VALVE- INSIDE CONTAINMENT TRIP VALVE	Q1	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE ..	11715.FM.089D C2	REVISION..01

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VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI 1WV CAT	TEST FREQUENCY #MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
TV.SS.108B	SS	00.375" AO GLOBE ***** 'B' REACTOR COOLANT HOT LEG SAMPLE LINE ISOLATION VALVE- INSIDE CONTAINMENT TRIP VALVE	Q1	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE ..	11715.FM.089D C2	REVISION..01
TV.SS.108C	SS	00.375" AO GLOBE ***** 'C' REACTOR COOLANT HOT LEG SAMPLE LINE ISOLATION VALVE- INSIDE CONTAINMENT TRIP VALVE	Q1	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE ..	11715.FM.089D C3	REVISION..01
TV.SS.108D	SS	00.375" AO GLOBE ***** 'B' REACTOR COOLANT HOT LEG SAMPLE LINE ISOLATION VALVE- INSIDE CONTAINMENT TRIP VALVE	Q1	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE ..	11715.FM.089D C3	REVISION..01
TV.SS.109A	SS	00.375" AO GLOBE ***** 'A' REACTOR COOLANT COLD LEG SAMPLE LINE ISOLATION VALVE- INSIDE CONTAINMENT TRIP VALVE	Q1	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE ..	11715.FM.089D C3	REVISION..01
TV.SS.109B	SS	00.375" AO GLOBE ***** 'B' REACTOR COOLANT COLD LEG SAMPLE LINE ISOLATION VALVE- INSIDE CONTAINMENT TRIP VALVE	Q1	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE ..	11715.FM.089D C4	REVISION..00
TV.SS.109C	SS	00.375" AO GLOBE ***** 'C' REACTOR COOLANT COLD LEG SAMPLE LINE ISOLATION VALVE- INSIDE CONTAINMENT TRIP VALVE	Q1	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE ..	11715.FM.089D C4	REVISION..01
TV.SS.111A	SS	01.00" AO GLOBE ***** 'A' STEAM GENERATOR SAMPLE LINE ISOLATION VALVE-INSIDE CONTAINMENT TRIP VALVE	Q3	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE ..	11715.FM.089D B5	REVISION..01
TV.SS.111B	SS	01.00" AO GLOBE ***** 'B' STEAM GENERATOR SAMPLE LINE ISOLATION VALVE- INSIDE CONTAINMENT TRIP VALVE	Q3	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE ..	11715.FM.089D C5	REVISION..01
TV.SS.111C	SS	01.00" AO GLOBE ***** 'C' STEAM GENERATOR SAMPLE LINE ISOLATION VALVE- INSIDE CONTAINMENT TRIP VALVE	Q3	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE ..	11715.FM.089D B5	REVISION..01

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VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
TV.SS.112A	SS	00.375" AO GLOBE ***** STEAM GENERATORS SAMPLE HEADER INSIDE CONTAINMENT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE 24	11715.FM.089D E5	REVISION..00
TV.SS.112B	SS	00.375" AO GLOBE ***** STEAM GENERATORS SAMPLE HEADER OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.089D F5	REVISION..00
TV.SV.102.1	SV	06.00" AO GLOBE ***** CONDENSER AIR REMOVAL DISCHARG TO CONTAINMENT-OUTSIDE CONTAIN ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.072A L2	REVISION..00
TV.SV.102.2	SV	06.00" AO GLOBE ***** CONDENSER AIR REMOVAL DISCHARG TO VENTILATION VENT	NQ	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE ..	11715.FM.072A L2	REVISION..01
TV.SV.103	SV	06.00" AO GLOBE ***** CONDENSER AIR REMOVAL DISCHARG TO CONTAINMENT-OUTSIDE CONTAIN ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.072A L1	REVISION..01
MOV.SW.100A	SW	24.00" MO BFLY ***** SERVICE WATER TO SPRAY ARRAYS STOP VALVE	Q3	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.078A D8	REVISION..00
MOV.SW.100B	SW	24.00" MO BFLY ***** SERVICE WATER TO SPRAY ARRAYS STOP VALVE	Q3	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.078A G9	REVISION..00
MOV.SW.101A	SW	24.00" MO BFLY ***** 'A' SERVICE WATR HEADER SUPPLY ISOLATION TO RECIRC SPRAY HEAT EXCHANGERS	Q3	.B...	EXERCISE 24 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.078A L3	REVISION..00 RELIEF REQUEST SW.NOTE.01
MOV.SW.101B	SW	24.00" MO BFLY ***** 'A' SERVICE WATR HEADER SUPPLY ISOLATION TO RECIRC SPRAY HEAT EXCHANGERS	Q3	.B...	EXERCISE 24 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.078A L3	REVISION..00 RELIEF REQUEST SW.NOTE.01

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ASME XI-IWV VALVE PROGRAM

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VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
MOV. SW. 101C	SW	24.00" MO BFLY ***** 'B' SERVICE WATR HEADER SUPPLY ISOLATION TO RECIRC SPRAY HEAT EXCHANGERS	Q3	.B...	EXERCISE 24 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.078A K3	REVISION..00 RELIEF REQUEST SW.NOTE.01
MOV. SW. 101D	SW	24.00" MO BFLY ***** 'B' SERVICE WATR HEADER SUPPLY ISOLATION TO RECIRC SPRAY HEAT EXCHANGERS	Q3	.B...	EXERCISE 24 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.078A K3	REVISION..00 RELIEF REQUEST SW.NOTE.01
MOV. SW. 102A	SW	24.00" MO BFLY ***** SERVICE WATER SUPPLY CROSS CONNECTS TO RECIRC SPRAY HEAT EXCHANGERS	Q3	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.078B H3	REVISION..01
MOV. SW. 102B	SW	24.00" MO BFLY ***** SERVICE WATER SUPPLY CROSS CONNECTS TO RECIRC SPRAY HEAT EXCHANGERS	Q3	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.078B H3	REVISION..01
MOV. SW. 103A	SW	16.00" MO BFLY ***** SERVICE WATER SUPPLY TO 'A' RECIRC SPRAY HEAT EXCHANGER- OUTSIDE CONT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE 24	11715.FM.078B K4	REVISION..01
MOV. SW. 103B	SW	16.00" MO BFLY ***** SERVICE WATER SUPPLY TO 'B' RECIRC SPRAY HEAT EXCHANGER- OUTSIDE CONT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE 24	11715.FM.078B J4	REVISION..01
MOV. SW. 103C	SW	16.00" MO BFLY ***** SERVICE WATER SUPPLY TO 'C' RECIRC SPRAY HEAT EXCHANGER- OUTSIDE CONT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE 24	11715.FM.078B I4	REVISION..01
MOV. SW. 103D	SW	16.00" MO BFLY ***** SERVICE WATER SUPPLY TO 'D' RECIRC SPRAY HEAT EXCHANGER- OUTSIDE CONT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE 24	11715.FM.078B I4	REVISION..01
MOV. SW. 104A	SW	16.00" MO BFLY ***** SERVICE WATER RETURN FROM 'A' RECIRC SPRAY HEAT EXCHANGER- OUTSIDE CONT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE 24	11715.FM.078B K5	REVISION..01

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI 1WV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
MOV.SW.104B	SW	16.00" MO BFLY ***** SERVICE WATER RETURN FROM 'B' RECIRC SPRAY HEAT EXCHANGER- OUTSIDE CONT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE 24	11715.FM.078B J5	REVISION..01
MOV.SW.104C	SW	16.00" MO BFLY ***** SERVICE WATER RETURN FROM 'C' RECIRC SPRAY HEAT EXCHANGER- OUTSIDE CONT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE 24	11715.FM.078B I5	REVISION..01
MOV.SW.104D	SW	16.00" MO BFLY ***** SERVICE WATER RETURN FROM 'D' RECIRC SPRAY HEAT EXCHANGER- OUTSIDE CONT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE 24	11715.FM.078B H5	REVISION..01
MOV.SW.105A	SW	24.00" MO BFLY ***** 'B' SERVICE WATER HEADER RETURN ISOLATION FROM RECIRC SPRAY HEAT EXCHANGERS	Q3	.B...	EXERCISE 24 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.078A L3	REVISION..00 RELIEF REQUEST SW.NOTE.01
MOV.SW.105B	SW	24.00" MO BFLY ***** 'B' SERVICE WATER HEADER RETURN ISOLATION FROM RECIRC SPRAY HEAT EXCHANGERS	Q3	.B...	EXERCISE 24 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.078A L3	REVISION..00 RELIEF REQUEST SW.NOTE.01
MOV.SW.105C	SW	24.00" MO BFLY ***** 'A' SERVICE WATER HEADER RETURN ISOLATION FROM RECIRC SPRAY HEAT EXCHANGERS	Q3	.B...	EXERCISE 24 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.078A L3	REVISION..00 RELIEF REQUEST SW.NOTE.01
MOV.SW.105D	SW	24.00" MO BFLY ***** 'A' SERVICE WATER HEADER RETURN ISOLATION FROM RECIRC SPRAY HEAT EXCHANGERS	Q3	.B...	EXERCISE 24 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.078A L3	REVISION..00 RELIEF REQUEST SW.NOTE.01
MOV.SW.106A	SW	24.00" MO BFLY ***** SERVICE WATER RETURN CROSS CONNECTS FROM RECIRC SPRAY HEAT EXCHANGERS	Q3	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.078B H6	REVISION..01
MOV.SW.106B	SW	24.00" MO BFLY ***** SERVICE WATER RETURN CROSS CONNECTS FROM RECIRC SPRAY HEAT EXCHANGERS	Q3	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.078B H6	REVISION..01

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
MOV.SW.108A	SW	24.00" MO BFLY ***** 'A' SERVICE WATR HEADER SUPPLY ISOLATION TO COMPONENT COOLING HEAT EXCHANGERS	Q3	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.078C E7	REVISION..00
MOV.SW.108B	SW	24.00" MO BFLY ***** 'A' SERVICE WATR HEADER SUPPLY ISOLATION TO COMPONENT COOLING HEAT EXCHANGERS	Q3	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.078C E7	REVISION..00
MOV.SW.113A	SW	10.00" MO BFLY ***** SERVICE WATER RETURN ISOLATION FROM FUEL PIT COOLERS	Q3	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.078A G3	REVISION..01
MOV.SW.113B	SW	10.00" MO BFLY ***** SERVICE WATER SUPPLY ISOLATION TO FUEL PIT COOLERS	Q3	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.078A G3	REVISION..01
MOV.SW.115A	SW	24.00" MO BFLY ***** 'A' SERVICE WATR HEADER SUPPLY ISOLATION VALVE-FROM AUXILIARY SERVICE WATER PUMPS	Q3	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.078A I4	REVISION..00
MOV.SW.115B	SW	24.00" MO BFLY ***** 'B' SERVICE WATR HEADER SUPPLY ISOLATION VALVE-FROM AUXILIARY SERVICE WATER PUMPS	Q3	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.078A I4	REVISION..00
MOV.SW.117	SW	24.00" MO BFLY ***** UNIT 1 AUXILIARY SERVICE WATER PUMP DISCHARGE ISOLATION VALVE	Q3	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.078A J4	REVISION..00
RV.SW.100A	SW	00.75" RELIEF VALVE ***** 'A' RECIRC SPRAY HEAT EXCHANG SERVICE WATER RELIEF VALVE-RV DISCHARGE TO CONTAINMENT SUMP	Q2	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.078B K4	REVISION..00
RV.SW.100B	SW	00.75" RELIEF VALVE ***** 'B' RECIRC SPRAY HEAT EXCHANG SERVICE WATER RELIEF VALVE-RV DISCHARGE TO CONTAINMENT SUMP	Q2	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.078B J4	REVISION..00

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI I/WV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
RV.SW.100C	SW	00.75" RELIEF VALVE ***** 'C' RECIRC SPRAY HEAT EXCHANG SERVICE WATER RELIEF VALVE-RV DISCHARGE TO CONTAINMENT SUMP	Q2	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.078B 14	REVISION..00
RV.SW.100D	SW	00.75" RELIEF VALVE ***** 'D' RECIRC SPRAY HEAT EXCHANG SERVICE WATER RELIEF VALVE-RV DISCHARGE TO CONTAINMENT SUMP	Q2	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.078B 14	REVISION..00
RV.SW.101A	SW	00.75" RELIEF VALVE ***** UNIT 1 'A' COMPONENT COOLING HEAT EXCHANGER SERVICE WATER RELIEF VALVE	Q3	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.078C C3	REVISION..00
RV.SW.101B	SW	00.75" RELIEF VALVE ***** UNIT 1 'B' COMPONENT COOLING HEAT EXCHANGER SERVICE WATER RELIEF VALVE	Q3	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.078C C3	REVISION..00
1.SW.003	SW	20.00" CHECK VALVE ***** UNIT 1 'A' SERVICE WATER PUMP DISCHARGE CHECK VALVE	Q3	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.078A B4	REVISION..01
1.SW.010	SW	20.00" CHECK VALVE ***** UNIT 1 'B' SERVICE WATER PUMP DISCHARGE CHECK VALVE	Q3	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.078A D4	REVISION..01
1.SW.022	SW	24.00" CHECK VALVE ***** UNIT 1 AUXILIARY SERVICE WATER PUMP DISCHARGE CHECK VALVE	Q3	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.078A J4	REVISION..00
1.SW.114	SW	24.00" CHECK VALVE ***** 'A' SERVICE WATR HEADER SUPPLY CHECK VALVE TO RECIRC SPRAY HX UPSTREAM OF CROSS CONNECT	Q3	..C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.078B G3	REVISION..00 RELIEF REQUEST SW.NOTE.01
1.SW.116	SW	24.00" CHECK VALVE ***** 'B' SERVICE WATR HEADER SUPPLY CHECK VALVE TO RECIRC SPRAY HX UPSTREAM OF CROSS CONNECT	Q3	..C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.078B G3	REVISION..00 RELIEF REQUEST SW.NOTE.01

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VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
1.SW.120	SW	16.00" CHECK VALVE ***** 'A' RECIRC SPRAY HEAT EXCHANG SERVICE WATER SUPPLY CHECK VALVE	Q2	..C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.078B K4	REVISION..01 RELIEF REQUEST SW.NOTE.01
1.SW.130	SW	16.00" CHECK VALVE ***** 'B' RECIRC SPRAY HEAT EXCHANG SERVICE WATER SUPPLY CHECK VALVE	Q2	..C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.078B J4	REVISION..01 RELIEF REQUEST SW.NOTE.01
1.SW.140	SW	16.00" CHECK VALVE ***** 'C' RECIRC SPRAY HEAT EXCHANG SERVICE WATER SUPPLY CHECK VALVE	Q2	..C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.078B I4	REVISION..01 RELIEF REQUEST SW.NOTE.01
1.SW.150	SW	16.00" CHECK VALVE ***** 'D' RECIRC SPRAY HEAT EXCHANG SERVICE WATER SUPPLY CHECK VALVE	Q2	..C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.078B H4	REVISION..01 RELIEF REQUEST SW.NOTE.01
1.SW.309	SW	36.00" CHECK VALVE ***** 'B' SERVICE WATR HEADER SUPPLY CHECK VALVE TO SPRAY ARRAYS	Q3	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.078A C9	REVISION..00
1.SW.311	SW	36.00" CHECK VALVE ***** 'A' SERVICE WATR HEADER SUPPLY CHECK VALVE TO SPRAY ARRAYS	Q3	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.078A F9	REVISION..00
TV.VG.100A	VG	01.50" AO GLOBE ***** VENT LINE ISOL FROM PRIMARY DRAINS TRANSFER TANK TO GAS STRIPPERS-OUTSIDE CONT ISOL	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.090B K1	REVISION..00
TV.VG.100B	VG	01.50" AO GLOBE ***** VENT LINE ISOL FROM PRIMARY DRAINS TRANSFER TANK TO GAS STRIPPERS-INSIDE CONT ISOL VLV	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE 24	11715.FM.090C L2	REVISION..00
1.VP.012	VP	06.00" CHECK VALVE ***** CONDENSER AIR REMOVAL DISCHARG TO CONTAINMENT-INSIDE CONTAIN ISOLATION CHECK VALVE	Q2	A.C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.072A L1	REVISION..01 RELIEF REQUEST VP.NOTE.01

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
1.WT.038	WT	00.75" CHECK VALVE ***** 'A' STEAM GENERATOR CHEMICAL FEED SUPPLY CHECK VALVE	Q2	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.102A B3	REVISION..01
1.WT.050	WT	00.75" CHECK VALVE ***** 'B' STEAM GENERATOR CHEMICAL FEED SUPPLY CHECK VALVE	Q2	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.102A B5	REVISION..01
1.WT.066	WT	00.75" CHECK VALVE ***** 'C' STEAM GENERATOR CHEMICAL FEED SUPPLY CHECK VALVE	Q2	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.102A B6	REVISION..01
1.WT.351	WT	00.75" MANUAL GLOBE ***** 'A' STEAM GENERATOR CHEMICAL FEED SUPPLY ISOLATION VALVE- INSIDE CONT ISOLATION VALVE	Q2	.B..E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE NR	11715.FM.102A A3	REVISION..01
1.WT.354	WT	00.75" MANUAL GLOBE ***** 'B' STEAM GENERATOR CHEMICAL FEED SUPPLY ISOLATION VALVE- INSIDE CONT ISOLATION VALVE	Q2	.B..E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE NR	11715.FM.102A A5	REVISION..01
1.WT.357	WT	00.75" MANUAL GLOBE ***** 'C' STEAM GENERATOR CHEMICAL FEED SUPPLY ISOLATION VALVE- INSIDE CONT ISOLATION VALVE	Q2	.B..E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE NR	11715.FM.102A A6	REVISION..01
1.WT.465	WT	03.00" MANUAL GATE ***** WET LAY UP RETURN FROM 'A' STEAM GENERATOR-INSIDE CONTAIN ISOLATION VALVE	Q2	A...E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE 24	13075.FM.102C E2	REVISION..01
1.WT.468	WT	03.00" MANUAL GATE ***** WET LAY UP RETURN FROM 'A' STEAM GENERATOR-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE 24	13075.FM.102C F2	REVISION..01
1.WT.488	WT	03.00" MANUAL GATE ***** WET LAY UP RETURN FROM 'B' STEAM GENERATOR-INSIDE CONTAIN ISOLATION VALVE	Q2	A...E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE 24	13075.FM.102C E4	REVISION..01

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VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBFR/LOCATION	COMMENTS
1.WT.491	WT	03.00" MANUAL GATE ***** WET LAY UP RETURN FROM 'B' STEAM GENERATOR-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE 24	13075.FM.102C F4	REVISION..01
1.WT.511	WT	03.00" MANUAL GATE ***** WET LAY UP RETURN FROM 'C' STEAM GENERATOR-INSIDE CONTAIN ISOLATION VALVE	Q2	A...E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE 24	13075.FM.102C E5	REVISION..01
1.WT.514	WT	03.00" MANUAL GATE ***** WET LAY UP RETURN FROM 'C' STEAM GENERATOR-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE 24	13075.FM.102C F5	REVISION..01

ENCLOSURE 2

2

RELIEF REQUEST #5

PUMPS

2-RH-P-1A

2-RH-P-1B

SECTION X1 REQUIREMENTS FOR WHICH RELIEF IS REQUESTED

None.

BASIS FOR RELIEF REQUEST

These pumps are not engineered safety feature pumps and do not serve a safety function. However, IWP data will be taken each cold shutdown but not more frequently than quarterly, in an effort to evaluate pump degradation.

2

ALTERNATE TESTING

None.

VALVE INSERVICE TEST PROGRAM

3.1 PROGRAM DEVELOPMENT PHILOSOPHY

The North Anna Unit 2 Valve Inservice Test Program has been established to meet the requirements of the 10 CFR 50, Section XI of the ASME Boiler and Pressure Vessel Code, Subsection IWV and Technical Specifications.

North Anna Unit 2 Technical Specification 4.0.5 states, "Inservice Testing of ASME Code Class 1, 2 and 3 valves shall be performed in accordance with Section XI of the ASME Boiler and Pressure Vessel Code and applicable addenda as required by 10 CFR 50, Section 50.55 a(g), except where specific written relief has been granted by the Commission pursuant to 10 CFR 50, Section 50.55 a(g)(6)(i)."

10 CFR 50, Section 50.55a(g)(4)(i) states, "Inservice tests to verify operational readiness of pumps and valves whose function is safety, shall comply with the requirements in the latest edition and addenda of the code [ASME Section XI] incorporated on the date 12 months prior to the date issuance of the operating license." Based on an operating license date of April 11, 1980 for Unit 2 the 1974 Edition of the Code with addenda through Summer 1975 are applicable to both Units.

Subsection IWV of ASME Section XI defines the rules and requirements of inservice testing of Code Class 1,2, and 3 valves "Each specific valve to be tested by the rules of this subsection shall be identified by the owner and listed in the plant records."

The purpose of the IWV program is to identify the valves that are considered by Vepco as having a safety function and are therefore subject to the testing requirements of ASME Boiler and Pressure Vessel Code, 1974 Edition with addenda through summer 1975 Section XI, Subsection IWV. The intent of the code is to assess operational readiness and detect potentially adverse changes in the mechanical condition of these valves. The relief requests for the Valve Inservice Test Program identify code requirements considered to be impractical, provide technical basis for the request and propose alternate testing when warranted.

One reason for requesting relief from the ASME Section XI testing requirements for exercising check valves to the closed position is that the logistics of performing such tests do not justify the small increase in safety gained by performing these tests during short cold shutdowns. In order to verify a check valve closes, a leak rate test must be performed. In order to perform a leak rate test, systems must be removed from service. Many systems are still required during short cold shutdowns and can not be removed from service. Lines must also be drained or vented. The contents of the lines are often radioactive and require processing before being disposed of. Draining and venting lines significantly increases the amount of rad-waste produced by the plant.

An extended containment entry is required to perform leak rate tests. During short cold shutdowns, the concentrations of radioactive isotopes, (Iodine-131, Xenon-133, etc) are high because the isotopes do not have sufficient time to decay. Entering containment under these conditions requires respirators or air packs to be worn. Working under these conditions is difficult and significantly increases the chances of internal contamination.

For the above reasons all check valves inside containment with the exception of those check valves listed in T.S. 4.4.6.2.2 shall be exercised to the closed position each refueling.

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Leak rate testing is performed in accordance with 10 CFR 50, Appendix J which impose specific requirements.

The actual stroke times of a number of solenoid operated valves and trip valves at North Anna are less than two seconds. These valves are required to close in 60 seconds by Technical Specifications or have no maximum allowable time given in the Technical Specifications. The percentage of error when measuring the stroke times of these valves is large because it is not possible for a person to accurately time a valve which strokes in less than two seconds.

Exception is taken from the requirements of IWV-3410(c)(3) for valves meeting the above description. When calculating delta stroke times for these valves, stroke times of less than two seconds will be rounded up to two seconds.

3.2 PROGRAM IMPLEMENTATION

The Valve Test Program will be executed as part of the normal plant surveillance program which is implemented by periodic tests.

The Operability Tests will verify:

- 1) The valve responds to control commands.
- 2) The valve stroke time is within specific limits.
- 3) Remote valve position indication accurately reflects the valve position. Remote valve position indication will be verified every two years for those valves inaccessible during plant operation.
- 4) The valve stroke time has not increased by more than the delta stroke time requirements of IWV-3410 (C)(3).

Fail safe valves will be tested by observing the valve operation upon loss of actuating power. In most cases, this can be accomplished using normal control circuits.

The following clarification shall apply to those valves which are scheduled to be exercised during cold shutdown:

Valve testing shall commence not later than 48 hours after reaching cold shutdown and continue until complete or unit is ready to return to power, whichever occurs first. When plant conditions cannot accomodate cold shutdown tests (i.e. maintaining containment vacuum, unable to secure a pump), testing will be performed during the next cold shutdown that permits access to the component. Completion of all valve testing is not a prerequisite for plant start-up. Any testing not completed at one cold shutdown should be performed during the subsequent scheduled cold shutdowns to meet the code specified testing frequency. In case of frequent cold shutdowns valves will not be exercised more often than once every three months.

Safety and Relief valve setpoints are tested in accordance with ASME PTC-25.2-1966 as directed by IWV-3510.

3.3 PROGRAM ADMINISTRATION

The Engineering staff at North Anna is responsible for the administration of the Valve Inservice Test Program. The Operations staff is responsible for performing the periodic tests required by ASME Section XI. The Valve Inservice Test Program is implemented by Station Administrative Procedure 11.3 "IWP/IWV Evaluation" and Periodic Test Procedures.

This program will be officially implemented by March 1, 1984 and will govern valve testing for the remainder of the Unit 2 120 month interval which ends December 14, 1990. The program will be updated as required by the addition of new valves, relief requests, etc. Prior to the end of the 120 month interval, the program will be reviewed and upgraded to assure continued compliance with 10 CFR 50.55a(g)(4) for the second 120 month inspection interval.

3.4 VALVE INSERVICE TEST TABLE

The Valve Test Table provides a list of North Anna Unit 1 ASME Section XI valves and their testing requirements. The following is a brief explanation of the table headings and abbreviations.

Valve Mark Number - Each valve has a unique identification number.

System - The system to which the equipment belongs.

Valve Size/Type - The valve size in inches and the type of valve. Some abbreviations are used for valve type which are explained below.

AO - air operated

SO - solenoid operated

DIA - diaphragm

MO - motor operated

MAN - manual

BFLY - butterfly

Valve Function - A brief description of the function of the valve.

ASME Class - ASME code class of each valve.

ASME XI IWV Category - Categories as defined by ASME Section XI, Subsection IWV, 1974 Edition Summer 75. Categories determine test requirements.

Test Frequency - The valve test frequency is listed in months. Some clarification is provided below

03 - Every 3 months

C3 - Every cold shutdown but not more often than every 3 months

C9 - Every cold shutdown but not more often than every 9 months

24 - Every refueling not to exceed 24 months

NR - Not required per IWV - 3300 or Technical Specification containment isolation leak tests

°° - Not applicable

P&ID Number/Location - Process and Instrument Drawing Number and the specific coordinates of valve location

Comments - Comments include revision number and will note if relief is requested for that valve. Revision number is based on the North Anna Unit 2 September 24, 1981 submittal. A revision number of 01 indicates that there has been a revision of IWV class or testing requirements since the October 1981 submittal. A revision number of 02 indicates that there has been a revision since the October 1983 submittal.

2

2

IWV RELIEF REQUEST

System: Component Cooling

Valve (s) :	2-CC-78	2-CC-194	2-CC-276
	2-CC-115	2-CC-199	2-CC-289
	2-CC-152		2-CC-302

Relief Requested: Exemption from 3 month Full/Partial Stroke Requirements

Relief Justification:

These check valves must seat upon reversal of flow in order to fulfill their safety functions. The only method to verify this actuation is to perform a leak rate/back pressure test. Since the valves are located inside containment and/or their systems are required during power operation, they cannot be tested every three months. 2-CC-194 and 2-CC-199 are check valves in the component cooling lines to the RHR heat exchangers. These lines can not be drained because the RHR system is needed during cold shutdown to control the RCS temperature. 2-CC-276, 289, and 302 are check valves in the component cooling lines to the cooling coils inside containment. These lines can not be drained during short cold shutdowns because the cooling coils are needed to control containment temperature. They will be exercised only during refueling outages because the logistics of draining lines and performing leak rate tests do not justify the small increase in safety gained by testing during cold shutdown.

Alternate Testing: Exercise for operability each Refueling Shutdown (not to exceed twenty-four months)

I WV RELIEF REQUEST

System: Chemical & Volume Control System

Valve (s) : 2-CH-335 2-CH-331
 2-CH-332

Relief Requested: Exemption from 3 month Full/Partial Stroke Requirements

Relief Justification:

These check valves must seat upon reversal of flow in order to fulfill their safety functions. The only method to verify this actuation is to perform a leak rate/back pressure test. Since the valves are located inside containment and/or their systems are required during power operation, they cannot be tested every three months. 2-CH-335 is the check valve in the normal charging line to the RCS. These lines can not be drained during short cold shutdowns because charging flow is often maintained. 2-CH-331 is the check valve in the RCP seal water return line. Seal flow is used during cold shutdowns to reduce RCS leakage and float the RCP seals. They will be exercised only during refueling outages because the logistics of draining lines and performing leak rate tests do not justify the small increase in safety gained by testing during cold shutdown.

Alternate Testing: Exercise for operability every Refueling Shutdown
(not to exceed twenty-four months)

IWV RELIEF REQUEST

System: Chemical and Volume Control System

Valve (s) : FCV-2160

Relief Requested: Exemption from 3 month Full/Partial Stroke
Requirements

Relief Justification:

This valve is a normally closed containment isolation valve. This valve is controlled by a demand controller and must be observed locally for proper operation. This valve is located in the penetration area of the auxiliary building which is a radiation area and a contaminated area. Exercising this valve from its safety position and the risk to personnel required to test this valve does not justify the small increase in safety gained by testing it every 3 months.

Alternate Testing: Exercise during cold shutdown
(but not more frequently than once per three months)

IWV RELIEF REQUEST

System: Chemical and Volume Control System

Valve(s): HCV-2142

Relief Requested: Exemption from 3 month Full/Partial Stroke
Requirements

Relief Justification:

The position of this valve is determined by a demand controller. This valve must be observed locally to verify proper valve operation. This valve is located inside containment. Since the valves are located inside containment, they can not be tested every three months.

Alternate Testing: Exercise during cold shutdown (but not more
frequently than once per 3 months)

IWV RELIEF REQUEST

System: Chemical And Volume Control System

Valve(s): FCV-2160 HCV-2142

Relief Requested: Exemption from the stroke time measurement and comparison requirements of IWV-3410 (c)

Relief Justification:

Valves with demand controllers that control valve operation (instead of open and closed push buttons and indicator lights) will be exercised to the position required to fulfill their function and not stroke timed.

The stroke time of a valve with a demand controller is dependent on how fast the control knob can be manually turned. Valve stroke times depend on how fast the control knob can be manually turned and not on actual valve performance. For this reason recording and comparing valve stroke times per subsection IWV of ASME Section XI will not accurately reflect valve performance.

Alternate Testing: Valves will be exercised to the position required to fulfill their function but not stroke timed.

IWV RELIEF REQUEST

System: Fire Protection

Valve (s) : 2-FP-79

Relief Requested: Exemption from 3 month Full/Partial Stroke
Requirements

Relief Justification:

This check valve must seat upon reversal of flow in order to fulfill its safety function. The only method to verify this actuation is to perform a leak rate/back pressure test. Since the valve is located inside containment it cannot be tested every three months. 2-FP-79 is the check valve in the containment fire protection system. Testing this valve will make the fire protection system inoperable. This would make fighting a fire inside containment difficult. It will be exercised only during refueling outages because the logistics of draining lines and performing a leak rate test do not justify the small increase in safety gained by testing during cold shutdown.

Alternate Testing: Exercise for operability every Refueling Shutdown
(not to exceed twenty-four months)

I WV RELIEF REQUEST

System: Feedwater

Valve (s) : 2-FW-62
2-FW-94
2-FW-126

Relief Requested: Exemption from 3 month Full/Partial Stroke Requirements

Relief Justification:

These check valves must seat upon reversal of flow in order to fulfill their safety functions. The only method to verify this actuation is to perform a back pressure test. Since the valve must be open to sustain power operation, they cannot be tested every three months. They will be exercised during cold shutdown but not more often than nine months.

Alternate Testing: Exercise for operability each Cold Shutdown
(but not more frequently than once per nine months)

IWV RELIEF REQUEST

System: Feedwater

Valve(s): HCV-FW-200C

Relief Requested: Exemption from the stroke time measurement and comparison requirements of IWV-3410 (c)

Relief Justification:

Valves with demand controllers that control valve operation (instead of open and closed push buttons and indicator lights) will be exercised to the position required to fulfill their function and not stroke timed.

The stroke time of a valve with a demand controller is dependent on how fast the control knob can be manually turned. Valve stroke times depend on how fast the control knob can be manually turned and not on actual valve performance. For this reason recording and comparing valve stroke times per subsection IWV of ASME Section XI will not accurately reflect valve performance.

Alternate Testing: Valves will be exercised to the position required to fulfill their function but not stroke timed.

I WV RELIEF REQUEST

System: Instrument A1

Valve (s) : 2-1A-250
2-1A-428

Relief Requested: Exemption from 3 month Full/Partial Stroke Requirements

Relief Justification:

These check valves must seat upon reversal of flow in order to fulfill their safety functions. The only method to verify this actuation is to perform a leak rate test. Since the valves are located inside containment, they cannot be tested every three months. 2-IA-250 is the check valve in the instrument air supply line to containment. Testing this valve renders the instruments and components supplied by instrument air inside containment inoperable. 2-IA-428 is the check valve in the containment radiation monitoring system. Testing this valve will make the system inoperable making increasing radiation or particulate levels in containment difficult to detect. They will be exercised only during refueling outages because the logistics of performing leak rate tests do not justify the small increase in safety gained by testing during cold shutdown.

Alternate Testing: Exercise for operability each Refueling Shutdown
(not to exceed twenty-four months)

IWV RELIEF REQUEST

System: Main Steam

Valve (s) : NRV-MS-201 A,B,C

Relief Requested: Exemption from 3 month Full/Partial Stroke
Requirements

Relief Justification:

These valves are in positions required to sustain power operation.
Exercising these valves would result in a reactor trip.

Alternate Testing: Exercise for operability during Cold Shutdown (but
not more frequently than once per three months)

IWV RELIEF REQUEST

System: Main Steam

Valve (s) : TV-MS-201 A,B,C

Relief Requested: Exemption from 3 month Full/Partial Stroke
Requirements

Relief Justification:

These valves are in positions required to sustain power operation. Exercising these valves would result in a reactor trip. Comparing valve stroke times as required by IWV-3410 (c) (3) does not detect the degradation of TV-MS-201A,B,C. These valves are tested under varying system conditions because system conditions are difficult to duplicate. A small difference in system conditions will significantly affect valve stroke time. Changes in valve stroke time are the result of differing system conditions and not degradation in valve performance. For this reason, valve stroke times will not be compared.

Alternate Testing: Exercise for operability during Cold Shutdown (but not more frequently than once per three months)

I WV RELIEF REQUEST

System: Quench Spray

Valve (s) : 2-QS-11
2-QS-22

Relief Requested: Exemption from 3 month Full/Partial Stroke Requirements

Relief Justification:

These check valves must seat upon reversal of flow and open to perform their safety function. These weight loaded check valves are located inside containment and are therefore not accessible for exercising during power operation. These valves will be exercised to the open and closed position manually during cold shutdown but not more frequently than once per nine months.

Alternate Testing: These valves will be manually exercised during cold shutdown (but not more frequently than once per nine months) *

* Weight loaded check valve setpoint check will be performed every 18 months in accordance with Technical Specifications (T.S. 4.6.3.2.2a).

IWV RELIEF REQUEST

System: Reactor Coolant

Valve (s) : 2-RC-162

Relief Requested: Exemption from 3 month Full/Partial Stroke
Requirements

Relief Justification:

This check valve must seat upon reversal of flow in order to fulfill its safety function. The only method to verify this actuation is to perform a leak rate test. Since the valve is located inside containment, it cannot be tested every three months. 2-RC-162 is the check valve in the primary grade water to the pressurizer relief tank and the $\frac{1}{2}$ " seal stand pipes. This line can not be drained during short cold shutdowns because the PRT is required during normal cold shutdowns. Standpipe level must be maintained when the RCS is pressurized to control leakage. It will be exercised only during refueling outages because the logistics of draining lines and performing a leak rate test do not justify the small increase in safety gained by testing during cold shutdown.

Alternate Testing: Exercise for operability each Refueling Shutdown
(not to exceed twenty-four months)

IWV RELIEF REQUEST

System: Residual Heat Removal System

Valve (s) : MOV-2700
MOV-2701
MOV-2720 A,B

Relief Requested: Exemption from 3 month Full/Partial Stroke
Requirements

Relief Justification:

These valves isolate the Residual Heat Removal System from the Reactor Coolant System during power operation. Exercising these valves is not possible when Reactor Coolant System pressure is above 660 psig (Technical Specifications 3/4.7.9 - Automatic Actuation).

Alternate Testing: Exercise for operability during Cold Shutdown (but not more frequently than once per three months)

Note: T. S. 4.4.6.2.2 identifies these valves as high/low pressure boundary valves to be leak tested during cold shutdown but not more frequently than once per 9 months. If this Tech. Spec. is changed the testing requirements for these valves will be revised accordingly.

IWV RELIEF REQUEST

System: Residual Heat Removal

Valve(s): FCV-2605 HCV-2758

Relief Requested: Exemption from the 3 month Full/Partial Stroke, stroke time measurement, and comparison requirements of IWV-3410 (c)

Relief Justification:

The position of these valves is determined by demand controllers. These valves must be observed locally to verify proper valve operation. These valves are located inside containment. Since the valves are located inside containment, they can not be tested every three months.

Valves with demand controllers that control valve operation (instead of open and closed push buttons and indicator lights) will be exercised to the position required to fulfill their function and not stroke timed.

The stroke time of a valve with a demand controller is dependent on how fast the control knob can be manually turned. Valve stroke times depend on how fast the control knob can be manually turned and not on actual valve performance. For this reason recording and comparing valve stroke times per subsection IWV of ASME Section XI will not accurately reflect valve performance.

Alternate Testing: Valves will be exercised to the position required to fulfill their function, but not stroke timed, during cold shutdown (but not more frequently than once per 3 months).

IVV RELIEF REQUEST

System: Recirculation Spray

Valve (s) : 2-RS-20
 2-RS-30

Relief Requested: Exemption from 3 month Full/Partial Stroke
 Requirements

Relief Justification:

These check valves must seat upon reversal of flow and open to perform their safety function. These weight loaded check valves are located inside containment and are therefore not accessible for exercising during power operation. These valves will be exercised manually to the open and closed position during cold shutdown but not more frequently than once per 9 months.

Alternate Testing: These valves will be manually exercised during cold shutdown (but not more frequently than once per nine months)*

* Weight loaded check valve setpoint check will be performed every 18 months in accordance with Technical Specifications (T.S. 4.6.3.1.2d).

IWV RELIEF REQUEST

System: Recirculation Spray

Valve (s) : 2-RS-103
2-RS-118

Relief Requested: Exemption from 3 month Full/Partial Stroke
Requirements

Relief Justification:

These check valves must open and backseat in order to perform their safety functions. Due to system design, they are not in the Casing Cooling Pump test flowpath. Both opening and backseat tests require that the Casing Cooling System be isolated from the Outside Recirculation Spray Pumps with manual valves. The valve exercise test lineup reduces plant safety during power operation. Testing 2-RS-103, and 2-RS-118 requires an extended entry in the safeguards valve pit, a limited access area. Safety lanterns, harnesses, an air sample and a fresh air supply must be obtained before entering the valve pit. The valves will be exercised only during refueling outages because the logistics of performing the exercise tests do not justify the small increase in safety gained by testing during cold shutdown.

Alternate Testing: Exercise for operability each refueling. (Not to exceed 24 months.)

IWV RELIEF REQUEST

System: Safety Injection

Valve (s) : MOV-2836
MOV-2869 A,B
MOV-2890 A,B

Relief Requested: Exemption from 3 month Full/Partial Stroke
Requirements

Relief Justification:

These valves provide isolation for alternate safety injection paths to the Reactor Coolant System. As required by Technical Specifications (TS 3/4.5.2a), they are closed with power removed from valve actuators during Modes 1,2&3. Exercising these valves during power operation would be in violation of Technical Specifications. T. S. 4.4.6.2.2 identifies these valves as high/low pressure boundary valves to be leak tested during cold shutdown but not more frequently than once per 9 months or following valve actuation. For these reasons the valves will be exercised and leak tested during cold shutdown but not more frequently than once per nine months. If this Tech. Spec. is changed the testing requirements for these valves will be revised accordingly.

Alternate Testing: Exercise for operability and leak rate tested during Cold Shutdown (but not more frequently than once per nine months)

IWV RELIEF REQUEST

System: Safety Injection

Valve (s): MOV-2867 C,D
MOV-2890 C,D

Relief Requested: Exemption from 3 month Full/Partial Stroke
Requirement.

Relief Justification:

T. S. 4.4.6.2.2 identifies these valves as high/low pressure boundary valves to be leak tested during cold shutdown but not more frequently than once per 9 months or following valve actuation. For these reasons the valves will be exercised and leak tested during cold shutdown but not more frequently than once per nine months. If this Tech. Spec. is changed the testing requirements for these valves will be revised accordingly.

Alternate Testing: Exercise for operability and leak rate tested during cold shutdown (but not more frequently than once per nine months)

IWV RELIEF REQUEST

System: Safety Injection

Valve(s): 2-SI-1
2-SI-21

Relief Requested: Exemption from 3 month Full/Partial Stroke
Requirements

Relief Justification:

No test connections are available to exercise these check valves because they are butt welded to their isolation valves. Testing 2-SI-1 and 2-SI-21 requires an extended entry in the safeguards valve pit, a limited access area. Safety lanterns, harnesses, an air sample and a fresh air supply must be obtained before entering the valve pit. Testing these valves requires the system be drained which increases the quantity of rad-waste. The check valve bonnets will be removed at refueling outages and the disc exercised mechanically to verify free movement.

Alternate Testing: Inspect each Refueling Shutdown (not to exceed
twenty-four months)

IWV RELIEF REQUEST

System: Safety Injection

Valve (s) : 2-SI-9
 2-SI-32

Relief Requested: Exemption from 3 month Full/Partial Stroke
 Requirements

Relief Justification:

Due to system design, these discharge check valves are not in the Low Head Safety Injection Pump test flowpaths. They cannot be tested during power operation because the LHSI pumps cannot overcome Reactor Coolant System Pressure. 2-SI-9 and 2-SI-32 are the low head safety injection pump discharge check valves. To verify these check valves backseat the low head safety injection system must be taken out of service. To verify these valves backseat the low head safety injection lines must be partially drained. This is not practical during short cold shutdown and will be done during refueling shutdowns. These valves will be exercised to the open position during cold shutdown but not more frequently than once every 9 months. The valves will be exercised to the closed position only during refueling outages because the logistics of performing a backseat test do not justify the small increase in safety gained by testing during cold shutdown.

Alternate Testing: Exercise to the open position during cold shutdown
 (not more frequently than once per nine months)
 Exercise to the closed position during each
 refueling shutdown (not to exceed 24 months)

IWV RELIEF REQUEST

System: Safety Injection

Valve(s):	2-SI-85	2-SI-107
	2-SI-91	2-SI-119
	2-SI-93	2-SI-126
	2-SI-99	2-SI-128
	2-SI-105	

Relief Requested: Exemption from 3 month Full/Partial Stroke Requirements

Relief Justification:

These Safety Injection check valves must open and close to fulfill their safety function. They can not be exercised to the open position during power operation because this would cause safety injection flow into the Reactor Coolant System which would disrupt normal plant operation. These valves can not be exercised to the closed position during power operation because they are inside containment. These valves will be exercised to both the open and closed positions during cold shutdown but not more often than once per 9 months.

Alternate Testing: Exercise to the open and closed position during cold shutdown (but not more frequently than once per 9 months.)

Note: T.S. 4.4.6.2.2 identifies these valves as high/low pressure boundary valves to be leak tested during cold shutdown but not more frequently than once per 9 months. If this Tech. Spec. is changed, the testing requirements will be revised accordingly.

IWV RELIEF REQUEST

System: Safety Injection

Valve(s):	2-SI-151	2-SI-170
	2-SI-153	2-SI-185
	2-SI-168	2-SI-187

Relief Requested: Exemption from 3 month Full/Partial Stroke

Relief Justification:

These valves must open as well as close to perform their safety functions. They cannot be exercised to the open position every three months because they are inside containment and testing requires Reactor Coolant System pressure to be less than 600 psi. These valves will be exercised to the open and closed positions during cold shutdowns but not more frequently than 9 months.

Alternate Testing: Exercise to the open and closed position during cold shutdown (but not more frequently than once per 9 months.)

Note: T. S. 4.4.6.2.2 identifies these valves as high/low pressure boundary valves to be leak tested during cold shutdown but not more frequently than once per 9 months. If this Tech. Spec. is changed the testing requirements for these valves will be revised accordingly.

IWV RELIEF REQUEST

System: Safety Injection

Valve(s): 2-SI-92
2-SI-100
2-SI-106

Relief Requested: Exemption from 3 month Full/Partial Stroke
Requirements

Relief Justification:

These Safety Injection check valves must open and close to fulfill their safety function. They can not be exercised to the open position during power operation because this would cause safety injection flow into the Reactor Coolant System which would disrupt normal plant operation. These valves can not be exercised to the closed position during power operation because they are inside containment. These valves will be exercised to the open position during cold shutdown but not more often than once per 9 months. These valves will be exercised to the closed position during refueling outages because the logistics of performing leak rate tests do not justify the small increase in safety gained by testing during cold shutdown.

Alternate Testing: Exercise to the open position during cold shutdown.
(but not more frequently than once per 9 months)
Exercise to the closed position during refueling
outages (not to exceed twenty four months)

IWV RELIEF REQUEST

System: Safety Injection

Valve(s):	2-SI-90	2-SI-112
	2-SI-98	2-SI-113
	2-SI-104	2-SI-117
	2-SI-118	2-SI-124
	2-SI-125	

Relief Requested: Exemption from 3 month Full/Partial Stroke
Requirements

Relief Justification:

These Safety Injection check valves must be open to fulfill their safety function. They can not be exercised to the open position during power operation because this would cause safety injection flow to the Reactor Coolant System which would disrupt normal plant operation. These valves will be exercised during cold shutdown but not more often than once per 9 months.

Alternate Testing: Exercise to the open position during cold shutdown
(but not more frequently than once per 9 months)

DATE 1/26/84

NORTH ANNA POWER STATION
ASME XI-1WV VALVE PROGRAM

PAGE 1

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI 1WV CAT	TEST FREQUENCY #MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
FCV.AS.200A	AS	01.50" AO GLOBE ***** AUXILIARY STEAM TO 'A' CONDENSER AIR EJECTOR FLOW CONTROL VALVE	NQ	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE ..	12050.FM.72A G2	REVISION..00
FCV.AS.200B	AS	01.50" AO GLOBE ***** AUXILIARY STEAM TO 'B' CONDENSER AIR EJECTOR FLOW CONTROL VALVE	NQ	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE ..	12050.FM.72A K2	REVISION..00
TV.BD.200A	BD	03.00" AO GLOBE ***** 'A' STEAM GENERATOR BLOWDOWN- OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A....	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	12050.FM.98A D3	REVISION..01
TV.BD.200B	BD	03.00" AO GLOBE ***** 'A' STEAM GENERATOR BLOWDOWN- INSIDE CONTAINMENT ISOLATION VALVE	Q2	A....	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE 24	12050.FM.98A D3	REVISION..01
TV.BD.200C	BD	03.00" AO GLOBE ***** 'B' STEAM GENERATOR BLOWDOWN- OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A....	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	12050.FM.98A D4	REVISION..01
TV.BD.200D	BD	03.00" AO GLOBE ***** 'B' STEAM GENERATOR BLOWDOWN- INSIDE CONTAINMENT ISOLATION VALVE	Q2	A....	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE 24	12050.FM.98A D4	REVISION..01
TV.BD.200E	BD	03.00" AO GLOBE ***** 'C' STEAM GENERATOR BLOWDOWN- OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A....	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	12050.FM.98A D6	REVISION..01
TV.BD.200F	BD	03.00" AO GLOBE ***** 'C' STEAM GENERATOR BLOWDOWN- INSIDE CONTAINMENT ISOLATION VALVE	Q2	A....	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE 24	12050.FM.98A D6	REVISION..01
MOV.CC.200A	CC	18.00" MO BFLY ***** COMPONENT COOLING WATER RETURN THROTTLING VALVE FROM 'A' RHR HEAT EXCHANGER	Q3	.B...	EXERCISE 03 FAILSAFE .. REMOT IND 24 LEAK RATE ..	12050.FM.79A K4	REVISION..00

DATE 1/26/84

NORTH ANNA POWER STATION
ASME XI-IWV VALVE PROGRAM

PAGE 2

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
MOV.CC.200B	CC	18.00" MO BFLY ***** COMPONENT COOLING WATER RETURN THROTTLING VALVE FROM 'B' RHR HEAT EXCHANGER	Q7	.B...	EXERCISE 03 FAILSAFE .. REMOT IND 24 LEAK RATE ..	12050.FM.79A K5	REVISION..00
RV.CC.226	CC	01.00" RELIEF VALVE ***** EXCESS LETDOWN HEAT EXCHANGER COMPONENT COOLING WATER RELIEF VALVE	Q3	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.79A I5	REVISION..00
RV.CC.228A	CC	00.75" RELIEF VALVE ***** 'A' RHR HEAT EXCHANGER COMPONENT COOLING RELIEF VALVE	Q3	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.79A L3	REVISION..00
RV.CC.228B	CC	00.75" RELIEF VALVE ***** 'B' RHR HEAT EXCHANGER COMPONENT COOLING RELIEF VALVE	Q3	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.79A L4	REVISION..00
TV.CC.200A	CC	06.00" AO BFLY ***** CC RETURN FROM 'A' RECIRC AIR COOLING COILS-OUTSIDE CONTAIN MENT ISOLATION VALVE	Q2	A...	EXERCISE C3 FAILSAFE C3 REMOT IND NR LEAK RATE 24	12050.FM.79B L2	REVISION..00 RELIEF REQUEST CC.NOTE.01
TV.CC.200B	CC	06.00" AO BFLY ***** CC RETURN FROM 'B' RECIRC AIR COOLING COILS-OUTSIDE CONTAIN MENT ISOLATION VALVE	Q2	A...	EXERCISE C3 FAILSAFE C3 REMOT IND NR LEAK RATE 24	12050.FM.79B L3	REVISION..00 RELIEF REQUEST CC.NOTE.01
TV.CC.200C	CC	06.00" AO BFLY ***** CC RETURN FROM 'C' RECIRC AIR COOLING COILS-OUTSIDE CONTAIN MENT ISOLATION VALVE	Q2	A...	EXERCISE C3 FAILSAFE C3 REMOT IND NR LEAK RATE 24	12050.FM.79B L5	REVISION..00 RELIEF REQUEST CC.NOTE.01
TV.CC.201A	CC	04.00" AO GLOBE ***** CC RETURN FROM REACTOR COOLANT PUMP THERMAL BARRIERS-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...	EXERCISE C3 FAILSAFE C3 REMOT IND NR LEAK RATE 24	12050.FM.79A B7	REVISION..00 RELIEF REQUEST CC.NOTE.02
TV.CC.201B	CC	04.00" AO GLOBE ***** CC RETURN FROM REACTOR COOLANT PUMP THERMAL BARRIERS-INSIDE CONTAINMENT ISOLATION VALVE	Q2	A...	EXERCISE C3 FAILSAFE C3 REMOT IND 24 LEAK RATE 24	12050.FM.79A C7	REVISION..00 RELIEF REQUEST CC.NOTE.02

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	PAID NUMBER/LOCATION	COMMENTS
TV.CC.202A	CC	08.00" AO BFLY ***** CC RETURN FROM 'C' RC PUMP LO, STATOR & SHROUD COOLERS- OUTSIDE CONT ISOLATION VALVE	Q2	A...	EXERCISE C3 FAILSAFE C3 REMOT IND NR LEAK RATE 24	12050.FM.79A B6	REVISION..00 RELIEF REQUEST CC.NOTE.02
TV.CC.202B	CC	08.00" AO BFLY ***** CC RETURN FROM 'C' RC PUMP LO, STATOR & SHROUD COOLERS- INSIDE CONT ISOLATION VALVE	Q2	A...	EXERCISE C3 FAILSAFE C3 REMOT IND 24 LEAK RATE 24	12050.FM.79A C6	REVISION..00 RELIEF REQUEST CC.NOTE.02
TV.CC.202C	CC	08.00" AO BFLY ***** CC RETURN FROM 'B' RC PUMP LO, STATOR & SHROUD COOLERS- OUTSIDE CONT ISOLATION VALVE	Q2	A...	EXERCISE C3 FAILSAFE C3 REMOT IND NR LEAK RATE 24	12050.FM.79A B7	REVISION..00 RELIEF REQUEST CC.NOTE.02
TV.CC.202D	CC	08.00" AO BFLY ***** CC RETURN FROM 'B' RC PUMP LO, STATOR & SHROUD COOLERS- INSIDE CONT ISOLATION VALVE	Q2	A...	EXERCISE C3 FAILSAFE C3 REMOT IND 24 LEAK RATE 24	12050.FM.79A C7	REVISION..00 RELIEF REQUEST CC.NOTE.02
TV.CC.202E	CC	08.00" AO BFLY ***** CC RETURN FROM 'A' RC PUMP LO, STATOR & SHROUD COOLERS- OUTSIDE CONT ISOLATION VALVE	Q2	A...	EXERCISE C3 FAILSAFE C3 REMOT IND NR LEAK RATE 24	12050.FM.79A B7	REVISION..00 RELIEF REQUEST CC.NOTE.02
TV.CC.202F	CC	08.00" AO BFLY ***** CC RETURN FROM 'A' RC PUMP LO, STATOR & SHROUD COOLERS- INSIDE CONT ISOLATION VALVE	Q2	A...	EXERCISE C3 FAILSAFE C3 REMOT IND 24 LEAK RATE 24	12050.FM.79A C7	REVISION..00 RELIEF REQUEST CC.NOTE.02
TV.CC.203A	CC	18.00" AO BFLY ***** CC RETURN FROM 'A' RHR HEAT EXCHANGER-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	12050.FM.79A B8	REVISION..00
TV.CC.203B	CC	18.00" AO BFLY ***** CC RETURN FROM 'B' RHR HEAT EXCHANGER-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	12050.FM.79A B6	REVISION..00
TV.CC.204A	CC	08.00" AO BFLY ***** CC SUPPLY TO 'A' RC PUMP LO, STATOR, SHROUD & THERM BARRIER COOLERS-OUTSIDE CONT ISOL VLV	Q2	A...	EXERCISE C3 FAILSAFE C3 REMOT IND NR LEAK RATE 24	12050.FM.79A B1	REVISION..00 RELIEF REQUEST CC.NOTE.02

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TV.CC.204B	CC	08.00" AO BFLY ***** CC SUPPLY TO 'B' RC PUMP LO, STATOR,SHROUD & THERM BARRIER COOLERS-OUTSIDE CONT ISOL VLV	Q2	A...	EXERCISE C3 FAILSAFE C3 REMOT IND NR LEAK RATE 24	12050.FM.79A B1	REVISION..00 RELIEF REQUEST CC.NOTE.02
TV.CC.204C	CC	08.00" AO BFLY ***** CC SUPPLY TO 'C' RC PUMP LO, STATOR,SHROUD & THERM BARRIER COOLERS-OUTSIDE CONT ISOL VLV	Q2	A...	EXERCISE C3 FAILSAFE C3 REMOT IND NR LEAK RATE 24	12050.FM.79A B2	REVISION..00 RELIEF REQUEST CC.NOTE.02
TV.CC.205A	CC	06.00" AO BFLY ***** CC RETURN FROM 'A' RECIRC AIR COOLING COILS-INSIDE CONTAIN MENT ISOLATION VALVE	Q2	A...	EXERCISE C3 FAILSAFE C3 REMOT IND 24 LEAK RATE 24	12050.FM.79B L2	REVISION..00 RELIEF REQUEST CC.NOTE.01
TV.CC.205B	CC	06.00" AO BFLY ***** CC RETURN FROM 'B' RECIRC AIR COOLING COILS-INSIDE CONTAIN MENT ISOLATION VALVE	Q2	A...	EXERCISE C3 FAILSAFE C3 REMOT IND 24 LEAK RATE 24	12050.FM.79B K3	REVISION..00 RELIEF REQUEST CC.NOTE.01
TV.CC.205C	CC	06.00" AO BFLY ***** CC RETURN FROM 'C' RECIRC AIR COOLING COILS-INSIDE CONTAIN MENT ISOLATION VALVE	Q2	A...	EXERCISE C3 FAILSAFE C3 REMOT IND 24 LEAK RATE 24	12050.FM.79B K4	REVISION..00 RELIEF REQUEST CC.NOTE.01
2.CC.010	CC	18.00" CHECK VALVE ***** 'A' COMPONENT COOLING PUMP DISCHARGE CHECK VALVE	Q3	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.79A C5	REVISION..00
2.CC.027	CC	18.00" CHECK VALVE ***** 'B' COMPONENT COOLING PUMP DISCHARGE CHECK VALVE	Q3	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.79A C6	REVISION..00
2.CC.037	CC	18.00" CHECK VALVE ***** UNIT 1 SUPPLY TO FUEL PIT & SAMPLE COOLERS,EVAP EQUIP,BD COND-COMMON HEADER CHECK VLV	Q3	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.79A F4	REVISION..00
2.CC.078	CC	08.00" CHECK VALVE ***** CC SUPPLY TO 'A' RC PUMP LO, STATOR,SHROUD & THERM BARRIER COOLERS-IN CONT ISOL CHECK VLV	Q2	A.C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE 24	12050.FM.79A B1	REVISION..02 RELIEF REQUEST CC.NOTE.03

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2.CC.115	CC	08.00" CHECK VALVE ***** CC SUPPLY TO 'B' RC PUMP LO, STATOR, SHROUD & THERM BARRIER COOLERS-IN CONT ISOL CHECK VLV	Q2	A.C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE 24	12050.FM.79A B1	REVISION..02 RELIEF REQUEST CC.NOTE.03
2.CC.152	CC	08.00" CHECK VALVE ***** CC SUPPLY TO 'C' RC PUMP LO, STATOR, SHROUD & THERM BARRIER COOLERS-IN CONT ISOL CHECK VLV	Q2	A.C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE 24	12050.FM.79A B2	REVISION..02 RELIEF REQUEST CC.NOTE.03
2.CC.194	CC	18.00" CHECK VALVE ***** CC SUPPLY TO 'A' RHR HX, PRIME DRAIN TNK, NEU SHIELD TNK COOL, EX LET HX-OUT CONT ISO CHK VLV	Q2	A.C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE 24	12050.FM.79A B1	REVISION..02 RELIEF REQUEST CC.NOTE.03
2.CC.199	CC	18.00" CHECK VALVE ***** CC SUPPLY TO 'B' RHR HX, PRIME DRAIN TNK, NEU SHIELD TNK COOL, EX LET HX-OUT CONT ISO CHK VLV	Q2	A.C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE 24	12050.FM.79A B1	REVISION..02 RELIEF REQUEST CC.NOTE.03
2.CC.276	CC	06.00" CHECK VALVE ***** CC SUPPLY TO 'A' RECIRC AIR COOLING COILS-OUTSIDE CONT- MENT ISOLATION CHECK VALVE	Q2	A.C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE 24	12050.FM.79B 12	REVISION..02 RELIEF REQUEST CC.NOTE.03
2.CC.289	CC	06.00" CHECK VALVE ***** CC SUPPLY TO 'B' RECIRC AIR COOLING COILS-OUTSIDE CONT- MENT ISOLATION CHECK VALVE	Q2	A.C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE 24	12050.FM.79B 13	REVISION..02 RELIEF REQUEST CC.NOTE.03
2.CC.302	CC	06.00" CHECK VALVE ***** CC SUPPLY TO 'C' RECIRC AIR COOLING COILS-OUTSIDE CONT- MENT ISOLATION CHECK VALVE	Q2	A.C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE 24	12050.FM.79B 15	REVISION..02 RELIEF REQUEST CC.NOTE.03
FCV.2160	CH	02.00" AO GLOBE ***** CHARGING FLOW CONTROL TO LOOP FILL HEADER-OUTSIDE CONTAIN- MENT ISOLATION VALVE	Q1	A....	EXERCISE C3 FAILSAFE C3 REMOT IND NR LEAK RATE 24	12050.FM.95B A3	REVISION..02 RELIEF REQUEST CVCS.NOTE.08, 10
HCV.2142	CH	03.00" AO GLOBE ***** LETDOWN CONTROL FROM RHR HEAT EXCHANGER-INSIDE CONTAINMENT ISOLATION VALVE	Q1	A....	EXERCISE C3 FAILSAFE C3 REMOT IND 24 LEAK RATE 24	12050.FM.95C 12	REVISION..02 RELIEF REQUEST CVCS.NOTE.09, 10

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HCV.2200A	CH	03.00" AO GLOBE ***** LETDOWN CONTROL FROM REGEN HX (RO.ORLD.1)-INSIDE CONTAINMENT ISOLATION VALVE	Q1	A...	EXERCISE C3 FAILSAFE C3 REMOT IND 24 LEAK RATE 24	12050.FM.95C H2	REVISION..00 RELIEF REQUEST CVCS.NOTE.01
HCV.2200B	CH	03.00" AO GLOBE ***** LETDOWN CONTROL FROM REGEN HX (RO.ORLD.3)-INSIDE CONTAINMENT ISOLATION VALVE	Q1	A...	EXERCISE C3 FAILSAFE C3 REMOT IND 24 LEAK RATE 24	12050.FM.95C H2	REVISION..00 RELIEF REQUEST CVCS.NOTE.01
HCV.2200C	CH	03.00" AO GLOBE ***** LETDOWN CONTROL FROM REGEN HX (RO.ORLD.2)-INSIDE CONTAINMENT ISOLATION VALVE	Q1	A...	EXERCISE C3 FAILSAFE C3 REMOT IND 24 LEAK RATE 24	12050.FM.95C H2	REVISION..00 RELIEF REQUEST CVCS.NOTE.01
MOV.2115B	CH	08.00" MO GATE ***** CHARGING PUMP SUPPLY ISOLATION VALVE FROM REFUELING WATER STORAGE TANK	Q2	.B...	EXERCISE C3 FAILSAFE .. REMOT IND NR LEAK RATE ..	12050.FM.95B C9	REVISION..00 RELIEF REQUEST CVCS.NOTE.02
MOV.2115C	CH	04.00" MO GATE ***** CHARGING PUMP SUPPLY ISOLATION FROM VOLUME CONTROL TANK	Q2	.B...	EXERCISE C3 FAILSAFE .. REMOT IND NR LEAK RATE ..	12050.FM.95B H3	REVISION..00 RELIEF REQUEST CVCS.NOTE.02
MOV.2115D	CH	08.00" MO GATE ***** CHARGING PUMP SUPPLY ISOLATION VALVE FROM REFUELING WATER STORAGE TANK	Q2	.B...	EXERCISE C3 FAILSAFE .. REMOT IND NR LEAK RATE ..	12050.FM.95B C9	REVISION..00 RELIEF REQUEST CVCS.NOTE.02
MOV.2115E	CH	04.00" MO GATE ***** CHARGING PUMP SUPPLY ISOLATION VALVE FROM VOLUME CONTROL TANK	Q2	.B...	EXERCISE C3 FAILSAFE .. REMOT IND NR LEAK RATE ..	12050.FM.95B H3	REVISION..00 RELIEF REQUEST CVCS.NOTE.02
MOV.2267A	CH	06.00" MO GATE ***** 'A' CHARGING PUMP SUCTION ISOLATION VALVE	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	12050.FM.95B H7	REVISION..01
MOV.2267B	CH	06.00" MO GATE ***** 'A' CHARGING PUMP SUCTION ISOLATION VALVE	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	12050.FM.95B H7	REVISION..01

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MOV.2269A	CH	06.00" MO GATE ***** 'B' CHARGING PUMP SUCTION ISOLATION VALVE	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	12050.FM.95B F7	REVISION..01
MOV.2269B	CH	06.00" MO GATE ***** 'B' CHARGING PUMP SUCTION ISOLATION VALVE	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	12050.FM.95B F7	REVISION..01
MOV.2270A	CH	06.00" MO GATE ***** 'C' CHARGING PUMP SUCTION ISOLATION VALVE	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	12050.FM.95B E7	REVISION..01
MOV.2270B	CH	06.00" MO GATE ***** 'C' CHARGING PUMP SUCTION ISOLATION VALVE	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	12050.FM.95B E7	REVISION..01
MOV.2275A	CH	02.00" MO GATE ***** 'A' CHARGING PUMP MINIMUM RECIRCULATION ISOLATION VALVE	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	12050.FM.95B H6	REVISION..00
MOV.2275B	CH	02.00" MO GATE ***** 'B' CHARGING PUMP MINIMUM RECIRCULATION ISOLATION VALVE	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	12050.FM.95B F6	REVISION..00
MOV.2275C	CH	02.00" MO GATE ***** 'C' CHARGING PUMP MINIMUM RECIRCULATION ISOLATION VALVE	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	12050.FM.95B E6	REVISION..00
MOV.2286A	CH	03.00" MO GATE ***** 'A' CHARGING PUMP MAIN DISCHARGE ISOLATION VALVE	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	12050.FM.95B G6	REVISION..01
MOV.2286B	CH	03.00" MO GATE ***** 'B' CHARGING PUMP MAIN DISCHARGE ISOLATION VALVE	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	12050.FM.95B G6	REVISION..01

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VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI 1WV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
MOV.2286C	CH	03.00" MO GATE ***** 'C' CHARGING PUMP MAIN DISCHARGE ISOLATION VALVE	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	12050.FM.95B D6	REVISION..01
MOV.2287A	CH	03.00" MO GATE ***** 'A' CHARGING PUMP ALTERNATE AND LOOP FILL DISCHARGE ISOL VALVE	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	12050.FM.95B G6	REVISION..01
MOV.2287B	CH	03.00" MO GATE ***** 'B' CHARGING PUMP ALTERNATE AND LOOP FILL DISCHARGE ISOL VALVE	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	12050.FM.95B E6	REVISION..01
MOV.2287C	CH	03.00" MO GATE ***** 'C' CHARGING PUMP ALTERNATE AND LOOP FILL DISCHARGE ISOL VALVE	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	12050.FM.95B D6	REVISION..01
MOV.2289A	CH	03.00" MO GATE ***** MAIN CHARGING HEADER ISOLATION VALVE-OUTSIDE CONTAINMENT ISOLATION VALVE	Q1	A...	EXERCISE C3 FAILSAFE .. REMOT IND NR LEAK RATE 24	12050.FM.95B A4	REVISION..00 RELIEF REQUEST CVCS.NOTE.03
MOV.2289B	CH	03.00" MO GATE ***** MAIN CHARGING HEADER ISOLATION VALVE-OUTSIDE CONTAINMENT	Q2	.B...	EXERCISE C3 FAILSAFE .. REMOT IND NR LEAK RATE ..	12050.FM.95B B5	REVISION..00 RELIEF REQUEST CVCS.NOTE.03
MOV.2350	CH	02.00" MO GATE ***** EMERGENCY BORATION TO CHARGING PUMP SUCTION	Q2	.B...	EXERCISE C3 FAILSAFE .. REMOT IND NR LEAK RATE ..	12050.FM.95B I6	REVISION..00 RELIEF REQUEST CVCS.NOTE.04
MOV.2373	CH	03.00" MO GATE ***** CHARGING PUMP RECIRCULATION HEADER ISOLATION VALVE	Q2	.B...	EXERCISE C3 FAILSAFE .. REMOT IND NR LEAK RATE ..	12050.FM.95B G4	REVISION..00 RELIEF REQUEST CVCS.NOTE.05
MOV.2380	CH	03.00" MO GATE ***** REACTOR COOLANT PUMP SEAL WATER RETURN-INSIDE CONT ISOL VALVE	Q1	A...	EXERCISE C3 FAILSAFE .. REMOT IND 24 LEAK RATE 24	12050.FM.95C J5	REVISION..00 RELIEF REQUEST CVCS.NOTE.06

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VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
MOV.2381	CH	03.00" MO GATE ***** REACTOR COOLANT PUMP SEAL WATER RETURN-OUTSIDE CONTAIN ISOLATION VALVE	Q1	A...	EXERCISE C3 FAILSAFE .. REMOT IND NR LEAK RATE 24	12050.FM.95B A3	REVISION..00 RELIEF REQUEST CVCS.NOTE.06
RV.2203	CH	02.00" RELIEF VALVE ***** LETDCWN RELIEF VLV DOWNSTREAM OF REGEN HX-RV DISCHARGE TO PRESSURIZER RELIEF TANK	Q1	A.C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE 24	12050.FM.95C H1	REVISION..00
RV.2209	CH	02.00" RELIEF VALVE ***** LETDOWN RELIEF VLV DOWNSTREAM OF NONREGEN HX-RV DISCHARGE TO VOLUME CONTROL TANK	Q2	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.95B F1	REVISION..00
RV.2257	CH	03.00" RELIEF VALVE ***** VOLUME CONTROL TANK RELIEF VALVE-RV DISCHARGE TO LIQUID WASTE	Q2	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.95B H1	REVISION..00
RV.2382A	CH	02.00" RELIEF VALVE ***** REACTOR COOLANT PUMP SEAL WATER RELIEF VLV-RV DISCHARGE TO PRESSURIZER RELIEF TANK	Q1	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.95C G4	REVISION..00
TV.2204	CH	03.00" AO GLOBE ***** LETDOWN HEADER-OUTSIDE CONT ISOLATION VALVE	Q1	A...	EXERCISE C3 FAILSAFE C3 REMOT IND NR LEAK RATE 24	12050.FM.95B A3	REVISION..00 RELIEF REQUEST CVCS.NOTE.01
1.CH.118	CH	02.00" CHECK VALVE ***** 'C' BORIC ACID TRANSFER PUMP DISCHARGE CHECK VALVE	Q3	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.095A D7	REVISION..01
1.CH.133	CH	02.00" CHECK VALVE ***** 'D' BORIC ACID TRANSFER PUMP DISCHARGE CHECK VALVE	Q3	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.095A C7	REVISION..01
2.CH.157	CH	02.00" CHECK VALVE ***** ALTERNATE EMERGENCY BORATION LINE TO CHARGING PUMP SUCTION CHECK VALVE	Q2	..C..	EXERCISE C3 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.95B 16	REVISION..00 RELIEF REQUEST CVCS.NOTE.04

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI 1WV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
2.CH.159	CH	02.00" CHECK VALVE ***** MAIN EMERGENCY BORATION LINE TO CHARGING PUMP SUCTION CHECK VALVE	Q2	..C..	EXERCISE C3 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.95B 16	REVISION..00 RELIEF REQUEST CVCS.NOTE.04
2.CH.178	CH	03.00" CHECK VALVE ***** 'A' CHARGING PUMP DISCHARGE CHECK VALVE	Q2	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.95B G6	REVISION..00
2.CH.193	CH	03.00" CHECK VALVE ***** 'B' CHARGING PUMP DISCHARGE CHECK VALVE	Q2	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.95B F6	REVISION..00
2.CH.208	CH	03.00" CHECK VALVE ***** 'C' CHARGING PUMP DISCHARGE CHECK VALVE	Q2	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.95B D6	REVISION..00
2.CH.233	CH	01.00" MANUAL NEEDLE ***** 'A' RC PUMP SEAL WATER SUPPLY- THROTTLING VALVE-OUTSIDE CONTAINMENT	Q1	.B..E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.95B A7	REVISION..00
2.CH.237	CH	01.00" MANUAL NEEDLE ***** 'B' RC PUMP SEAL WATER SUPPLY- THROTTLING VALVE-OUTSIDE CONTAINMENT	Q1	.B..E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.95B A7	REVISION..00
2.CH.241	CH	01.00" MANUAL NEEDLE ***** 'C' RC PUMP SEAL WATER SUPPLY- THROTTLING VALVE-OUTSIDE CONTAINMENT	Q1	.B..E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.95B A6	REVISION..00
2.CH.260	CH	02.00" CHECK VALVE ***** 'A' RC PUMP SEAL WATER SUPPLY- INSIDE CONTAINMENT ISOLATION CHECK VALVE	Q1	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE NR	12050.FM.95C A7	REVISION..02
2.CH.284	CH	02.00" CHECK VALVE ***** 'B' RC PUMP SEAL WATER SUPPLY- INSIDE CONTAINMENT ISOLATION CHECK VALVE	Q1	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE NR	12050.FM.95C D7	REVISION..02

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
2.CH.308	CH	02.00" CHECK VALVE ***** 'C' RC PUMP SEAL WATER SUPPLY- INSIDE CONTAINMENT ISOLATION CHECK VALVE	Q1	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE NR	12050.FM.95C H7	REVISION..02
2.CH.331	CH	00.75" CHECK VALVE ***** RC PUMP SEAL WATER RETURN- INSIDE CONTAINMENT ISOLATION CHECK VALVE	Q1	A.C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE 24	12050.FM.95C J5	REVISION..02 RELIEF REQUEST CVCS.NOTE.07
2.CH.332	CH	02.00" CHECK VALVE ***** CHARGING SUPPLY TO LOOP FILL HEADER-INSIDE CONTAINMENT ISOLATION CHECK VALVE	Q1	A.C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE 24	12050.FM.95C J3	REVISION..02 RELIEF REQUEST CVCS.NOTE.07
2.CH.335	CH	03.00" CHECK VALVE ***** MAIN CHARGING SUPPLY HEADER- INSIDE CONTAINMENT ISOLATION CHECK VALVE	Q1	A.C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE 24	12050.FM.95C J3	REVISION..02 RELIEF REQUEST CVCS.NOTE.07
2.CH.401	CH	03.00" CHECK VALVE ***** 'B' CHARGING PUMP DISCHARGE CHECK VALVE	Q2	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.95B E6	REVISION..00
2.CH.408	CH	04.00" MANUAL GATE ***** UNIT 2 TO UNIT 1 CHARGING PUMP CROSS CONNECT VALVE	Q2E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.095B F4	REVISION..02
TV.CV.200	CV	08.00" AO BFLY ***** CONTAINMENT VACUUM EJECTOR- INSIDE CONTAINMENT ISOLATION VALVE	Q2	A....	EXERCISE C3 FAILSAFE C3 REMOT IND 24 LEAK RATE 24	12050.FM.92A J7	REVISION..00 RELIEF REQUEST CV.NOTE.01
TV.CV.250A	CV	02.00" AO GLOBE ***** 'A' CONTAINMENT VACUUM PUMP SUCTION ISOLATION VALVE- OUTSIDE CONT ISOL VALVE	Q2	A....	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	12050.FM.92A 16	REVISION..00
TV.CV.250B	CV	02.00" AO GLOBE ***** 'A' CONTAINMENT VACUUM PUMP SUCTION ISOLATION VALVE- OUTSIDE CONT ISOL VALVE	Q2	A....	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	12050.FM.92A 16	REVISION..00

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI 1WV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
TV.CV.250C	CV	02.00" AO GLOBE ***** 'B' CONTAINMENT VACUUM PUMP SUCTION ISOLATION VALVE- OUTSIDE CONT ISOL VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	12050.FM.92A 16	REVISION..00
TV.CV.250D	CV	02.00" AO GLOBE ***** 'B' CONTAINMENT VACUUM PUMP SUCTION ISOLATION VALVE- OUTSIDE CONT ISOL VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	12050.FM.92A 16	REVISION..00
2.CV.004	CV	08.00" MANUAL GATE ***** CONTAINMENT VACUUM EJECTOR SUPPLY-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE 24	12050.FM.92A 17	REVISION..00
TV.DA.200A	DA	02.00" AO GLOBE ***** REACTOR CONTAINMENT SUMP PUMPS DISCHARGE-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	12050.FM.90B H6	REVISION..00
TV.DA.200B	DA	02.00" AO GLOBE ***** REACTOR CONTAINMENT SUMP PUMPS DISCHARGE-INSIDE CONTAINMENT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE 24	12050.FM.90A K5	REVISION..00
TV.DA.203A	DA	02.00" AO GLOBE ***** POST ACCIDENT SAMPLE SYSTEM RETURN-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	12050.FM.90B B2	REVISION..00
TV.DA.203B	DA	02.00" AO GLOBE ***** POST ACCIDENT SAMPLE SYSTEM RETURN-OUTSIDE CONTAINMENT TRIP VALVE	Q2	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE ..	12050.FM.90B B2	REVISION..00
2.DA.007	DA	02.00" MAN DIAPHRAGM ***** VENT LINE FROM PRIMARY VENT POT-INSIDE CONTAINMENT ISOLATION VALVE	Q2	A...E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE 24	12050.FM.90A L4	REVISION..00
2.DA.009	DA	02.00" MAN DIAPHRAGM ***** VENT LINE FROM PRIMARY VENT POT-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE 24	12050.FM.90B H5	REVISION..00

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY #MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
2.DA.048	DA	02.00" CHECK VALVE ***** POST ACCIDENT SAMPLE SYSTEM RETURN-INSIDE CONTAINMENT ISOLATION CHECK VALVE	Q2	A.C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE 24	12050.FM.90A K2	REVISION..00 RELIEF REQUEST DA.NOTE.01
TV.DG.200A	DG	02.00" AO GLOBE ***** PRIMARY DRAIN TRANSFER PUMPS DISCHARGE-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A....	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	12050.FM.90B H5	REVISION..00
TV.DG.200B	DG	02.00" AO GLOBE ***** PRIMARY DRAIN TRANSFER PUMPS DISCHARGE-INSIDE CONTAINMENT ISOLATION VALVE	Q2	A....	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE 24	12050.FM.90A L4	REVISION..00
RV.EG.104A	EG	01.00" RELIEF VALVE ***** '2H' DIESEL 'A' EMER GENERATOR PUMP DISCHARGE RELIEF VALVE-RV DISCHARGE TO PUMP SUCTION	NQ	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FB.035A E7	REVISION..00
RV.EG.104B	EG	01.00" RELIEF VALVE ***** '2H' DIESEL 'B' EMER GENERATOR PUMP DISCHARGE RELIEF VALVE-RV DISCHARGE TO PUMP SUCTION	NQ	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FB.035A G7	REVISION..00
RV.EG.106A	EG	01.00" RELIEF VALVE ***** '2J' DIESEL 'A' EMER GENERATOR PUMP DISCHARGE RELIEF VALVE-RV DISCHARGE TO PUMP SUCTION	NQ	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FB.035A E5	REVISION..00
RV.EG.106B	EG	01.00" RELIEF VALVE ***** '2J' DIESEL 'B' EMER GENERATOR PUMP DISCHARGE RELIEF VALVE-RV DISCHARGE TO PUMP SUCTION	NQ	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FB.035A G5	REVISION..00
RV.EG.702HA	EG	02.00" RELIEF VALVE ***** '2H' DIESEL 'A' AIR RECEIVER TANK RELIEF VALVE-RV DISCHARGE TO ATMOSPHERE	NQ	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.107A D2	REVISION..00
RV.EG.702HB	EG	02.00" RELIEF VALVE ***** '2H' DIESEL 'B' AIR RECEIVER TANK RELIEF VALVE-RV DISCHARGE TO ATMOSPHERE	NQ	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.107A D6	REVISION..00

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
RV.EG.702JA	EG	02.00" RELIEF VALVE ***** '2J' DIESEL 'A' AIR RECEIVER TANK RELIEF VALVE-RV DISCHARGE TO ATMOSPHERE	NQ	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.107A J2	REVISION..00
RV.EG.702JB	EG	02.00" RELIEF VALVE ***** '2J' DIESEL 'B' AIR RECEIVER TANK RELIEF VALVE-RV DISCHARGE TO ATMOSPHERE	NQ	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.107A J6	REVISION..00
1.EG.260	EG	01.50" CHECK VALVE ***** '2H' DIESEL 'A' EMERGENCY GENERATOR PUMP DISCHARGE CHECK VALVE	NQ	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FB.035A E7	REVISION..00
1.EG.272	EG	01.50" CHECK VALVE ***** '2J' DIESEL 'A' EMERGENCY GENERATOR PUMP DISCHARGE CHECK VALVE	NQ	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FB.035A E5	REVISION..00
1.EG.284	EG	01.50" CHECK VALVE ***** '2J' DIESEL 'B' EMERGENCY GENERATOR PUMP DISCHARGE CHECK VALVE	NQ	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FB.035A G5	REVISION..00
1.EG.289	EG	01.50" CHECK VALVE ***** '2H' DIESEL 'B' EMERGENCY GENERATOR PUMP DISCHARGE CHECK VALVE	NQ	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FB.035A G7	REVISION..00
2.FP.079	FP	04.00" CHECK VALVE ***** FIRE PROTECTION SUPPLY TO CONTAINMENT-INSIDE CONTAINMENT ISOLATION CHECK VALVE	Q3	..C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE NR	12050.FB.104A D9	REVISION..02 RELIEF REQUEST FP.NOTE.01
2.FP.081	FP	04.00" MANUAL GATE ***** FIRE PROTECTION SUPPLY TO CONTAINMENT-OUTSIDE CONTAIN ISOLATION VALVE	Q3	A..E.	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE 24	12050.FB.104A F9	REVISION..00
2.FP.082	FP	04.00" MANUAL GATE ***** FIRE PROTECTION SUPPLY TO CONTAINMENT-OUTSIDE CONTAIN ISOLATION VALVE	Q3	A..E.	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE 24	12050.FB.104A F9	REVISION..00

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VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY #MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
FCV.FW.2478	FW	16.00" AO GLOBE ***** 'A' MAIN FEEDWATER REG VALVE	NQ	.B...	EXERCISE C3 FAILSAFE C3 REMOT IND NR LEAK RATE ..	12050.FM.074A H2	REVISION..00 RELIEF REQUEST FW.NOTE.01
FCV.FW.2479	FW	06.00" AO GLOBE ***** 'A' BYPASS FEEDWATER REG VALVE	NQ	.B...	EXERCISE C3 FAILSAFE C3 REMOT IND NR LEAK RATE ..	12050.FM.074A G1	REVISION..00 RELIEF REQUEST FW.NOTE.01
FCV.FW.2488	FW	16.00" AO GLOBE ***** 'B' MAIN FEEDWATER REG VALVE	NQ	.B...	EXERCISE C3 FAILSAFE C3 REMOT IND NR LEAK RATE ..	12050.FM.074A F3	REVISION..00 RELIEF REQUEST FW.NOTE.01
FCV.FW.2489	FW	06.00" AO GLOBE ***** 'B' BYPASS FEEDWATER REG VALVE	NQ	.B...	EXERCISE C3 FAILSAFE C3 REMOT IND NR LEAK RATE ..	12050.FM.074A G2	REVISION..00 RELIEF REQUEST FW.NOTE.01
FCV.FW.2498	FW	16.00" AO GLOBE ***** 'C' MAIN FEEDWATER REG VALVE	NQ	.B...	EXERCISE C3 FAILSAFE C3 REMOT IND NR LEAK RATE ..	12050.FM.074A F4	REVISION..00 RELIEF REQUEST FW.NOTE.01
FCV.FW.2499	FW	06.00" AO GLOBE ***** 'C' BYPASS FEEDWATER REG VALVE	NQ	.B...	EXERCISE C3 FAILSAFE C3 REMOT IND NR LEAK RATE ..	12050.FM.074A G5	REVISION..00 RELIEF REQUEST FW.NOTE.01
HCV.FW.200C	FW	03.00" AO GLOBE ***** NORMAL AUXILIARY FEEDWATER SUPPLY TO 'C' STEAM GENERATOR	Q3	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	12050.FM.074A B6	REVISION..02 RELIEF REQUEST FW.NOTE.03
MOV.FW.200B	FW	03.00" MO GLOBE ***** NORMAL AUXILIARY FEEDWATER SUPPLY TO 'B' STEAM GENERATOR	Q3	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	12050.FM.074A B6	REVISION..01
MOV.FW.200D	FW	03.00" MO GLOBE ***** NORMAL AUXILIARY FEEDWATER SUPPLY TO 'A' STEAM GENERATOR	Q3	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	12050.FM.074A C7	REVISION..01

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VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
MOV.FW.254A	FW	16.00" MO GATE ***** 'A' MAIN FEEDWATER SUPPLY ISOLATION VALVE	NQ	.B...	EXERCISE C3 FAILSAFE .. REMOT IND NR LEAK RATE ..	12050.FM.074A G2	REVISION..00 RELIEF REQUEST FW.NOTE.01
MOV.FW.254B	FW	16.00" MO GATE ***** 'B' MAIN FEEDWATER SUPPLY ISOLATION VALVE	NQ	.B...	EXERCISE C3 FAILSAFE .. REMOT IND NR LEAK RATE ..	12050.FM.074A G3	REVISION..00 RELIEF REQUEST FW.NOTE.01
MOV.FW.254C	FW	16.00" MO GATE ***** 'C' MAIN FEEDWATER SUPPLY ISOLATION VALVE	NQ	.B...	EXERCISE C3 FAILSAFE .. REMOT IND NR LEAK RATE ..	12050.FM.074A G5	REVISION..00 RELIEF REQUEST FW.NOTE.01
PCV.FW.259A	FW	04.00" AO GLOBE ***** AUXILIARY FEEDWATER PRESSURE CONTROL VALVE	Q3	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE ..	12050.FM.074A C6	REVISION..00
PCV.FW.259B	FW	04.00" AO GLOBE ***** AUXILIARY FEEDWATER PRESSURE CONTROL VALVE	Q3	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE ..	12050.FM.074A C6	REVISION..00
RV.FW.200	FW	03.00" RELIEF VALVE ***** TURBINE DRIVEN AUXILIARY FEED PUMP FEEDWATER DISCHARGE RELIEF VALVE	Q3	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.074A D7	REVISION..00
2.FW.062	FW	16.00" CHECK VALVE ***** 'A' MAIN FEEDWATER SUPPLY- CONTAINMENT PENETRATION CHECK VALVE	Q2	..C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.074A C2	REVISION..02 RELIEF REQUEST FW.NOTE.02
2.FW.070	FW	03.00" CHECK VALVE ***** 'A' AUXILIARY FEEDWATER HEADER CHECK VALVE AT MAIN FEEDWATER HEADER	Q2	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.074A B2	REVISION..00
2.FW.094	FW	16.00" CHECK VALVE ***** 'B' MAIN FEEDWATER HEADER SUPPLY-CONTAINMENT PENETRATION CHECK VALVE	Q2	..C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.074A C3	REVISION..02 RELIEF REQUEST FW.NOTE.02

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VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
2.FW.095	FW	03.00" CHECK VALVE ***** 'B' AUXILIARY FEEDWATER HEADER CHECK VALVE-OUTSIDE OF CONTAIN MENT	Q3	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.074A B6	REVISION..00
2.FW.102	FW	03.00" CHECK VALVE ***** 'B' AUXILIARY FEEDWATER HEADER CHECK VALVE AT MAIN FEEDWATER HEADER	Q2	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.074A B4	REVISION..00
2.FW.126	FW	16.00" CHECK VALVE ***** 'C' MAIN FEEDWATER SUPPLY- CONTAINMENT PENETRATION CHECK VALVE	Q2	..C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.074A C5	REVISION..02 RELIEF REQUEST FW.NOTE.02
2.FW.129	FW	03.00" CHECK VALVE ***** 'C' AUXILIARY FEEDWATER HEADER CHECK VALVE-OUTSIDE OF CONTAIN MENT	Q3	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.074A B6	REVISION..00
2.FW.134	FW	03.00" CHECK VALVE ***** 'C' AUXILIARY FEEDWATER HEADER CHECK VALVE AT MAIN FEEDWATER HEADER	Q2	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.074A B5	REVISION..00
2.FW.150	FW	01.00" CHECK VALVE ***** TURBINE DRIVE; AUXILIARY FEEDWATER PUMP RECIRC LINE CHECK VALVE	Q3	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.074A E7	REVISION..00
2.FW.156	FW	06.00" CHECK VALVE ***** TURBINE DRIVEN AUXILIARY FEEDWATER PUMP DISCHARGE CHECK VALVE	Q3	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.074A E7	REVISION..00
2.FW.167	FW	01.00" CHECK VALVE ***** 'A' MOTOR DRIVEN AUXILIARY FEEDWATER PUMP RECIRC LINE CHECK VALVE	Q3	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.074A F7	REVISION..00
2.FW.172	FW	04.00" CHECK VALVE ***** 'A' MOTOR DRIVEN AUXILIARY FEEDWATER PUMP DISCHARGE CHECK VALVE	Q3	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.074A F7	REVISION..00

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
2.FW.185	FW	01.00" CHECK VALVE ***** 'B' MOTOR DRIVEN AUXILIARY FEEDWATER PUMP RECIRC LINE CHECK VALVE	Q3	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.074A G7	REVISION..00
2.FW.192	FW	04.00" CHECK VALVE ***** 'B' MOTOR DRIVEN AUXILIARY FEEDWATER PUMP DISCHARGE CHECK VALVE	Q3	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.074A F7	REVISION..00
2.FW.279	FW	03.00" CHECK VALVE ***** 'A' AUXILIARY FEEDWATER HEADER CHECK VALVE-OUTSIDE OF CONTAIN MENT	Q3	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.074A C7	REVISION..00
TV.HC.200A	HC	00.375" SO GLOBE ***** UNIT 2 SAMPLE LINE TO UNIT 1 HYDROGEN ANALYZERS-INSIDE CONTAINMENT ISOLATION VALVE	Q2	A....	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE 24	11715.FM.106A I3	REVISION..00
TV.HC.200B	HC	00.375" SO GLOBE ***** UNIT 2 SAMPLE LINE TO UNIT 1 HYDROGEN ANALYZERS-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A....	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.106A H3	REVISION..00
TV.HC.201A	HC	00.375" SO GLOBE ***** RETURN ISOLATION FROM UNIT 1 HYDROGEN ANALYZERS TO UNIT 2 CONT-OUTSIDE CONT ISOL VALVE	Q2	A....	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.106A H4	REVISION..00
TV.HC.201B	HC	00.375" SO GLOBE ***** RETURN ISOLATION FROM UNIT 1 HYDROGEN ANALYZERS TO UNIT 2 CONT-OUTSIDE CONT ISOL VALVE	Q2	A....	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.106A H4	REVISION..00
TV.HC.202A	HC	00.375" SO GLOBE ***** UNIT 2 SAMPLE LINE TO UNIT 2 HYDROGEN ANALYZERS-INSIDE CONTAINMENT ISOLATION VALVE	Q2	A....	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE 24	11715.FM.106A I3	REVISION..00
TV.HC.202B	HC	00.375" SO GLOBE ***** UNIT 2 SAMPLE LINE TO UNIT 2 HYDROGEN ANALYZERS-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A....	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.106A J3	REVISION..00

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VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
TV.HC.203A	HC	00.375" SO GLOBE ***** RETURN ISOLATION FROM UNIT 2 HYDROGEN ANALYZERS TO UNIT 2 CONT-OUTSIDE CONT ISOL VALVE	Q2	A....	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.106A J4	REVISION..00
TV.HC.203B	HC	00.375" SO GLOBE ***** RETURN ISOLATION FROM UNIT 2 HYDROGEN ANALYZERS TO UNIT 2 CONT-OUTSIDE CONT ISOL VALVE	Q2	A....	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.106A J4	REVISION..00
TV.HC.204A	HC	02.50" AO GLOBE ***** SUPPLY ISOL FROM UNIT 2 CONT TO N1 HYDRO RECOMB & N2 CONT BLOWER-OUTSIDE CONT ISOL VALVE	Q2	A....	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.106A H2	REVISION..00
TV.HC.204B	HC	02.50" AO GLOBE ***** SUPPLY ISOL FROM UNIT 2 CONT TO N1 HYDRO RECOMB & N2 CONT BLOWER-OUTSIDE CONT ISOL VALVE	Q2	A....	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.106A H2	REVISION..00
TV.HC.205A	HC	02.50" AO GLOBE ***** RETURN ISOLATION FROM UNIT 1 HYDROGEN RECOMB & ANAL TO UNIT 2 CONT-OUTSIDE CONT ISOL VALVE	Q2	A....	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.106A H3	REVISION..00
TV.HC.205B	HC	02.50" AO GLOBE ***** RETURN ISOLATION FROM UNIT 1 HYDROGEN RECOMB & ANAL TO UNIT 2 CONT-OUTSIDE CONT ISOL VALVE	Q2	A....	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.106A H3	REVISION..00
TV.HC.206A	HC	02.50" AO GLOBE ***** UNIT 2 SUPPLY ISOLATION TO N1 CONT ATMO PURGE BLOW & N2 HYDRO RECOMB-OUT CONT ISOL VLV	Q2	A....	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.106A J2	REVISION..00
TV.HC.206B	HC	02.50" GLOBE ***** UNIT 2 SUPPLY ISOLATION TO N1 CONT ATMO PURGE BLOW & N2 HYDRO RECOMB-OUT CONT ISOL VLV	Q2	A....	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.106A J2	REVISION..00
TV.HC.207A	HC	02.50" AO GLOBE ***** RETURN ISOLATION FROM UNIT 2 HYDROGEN RECOMB & ANAL TO UNIT 2 CONT-OUTSIDE CONT ISOL VALVE	Q2	A....	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.106A J3	REVISION..00

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
TV.HC.207B	HC	02.50" AO GLOBE ***** RETURN ISOLATION FROM UNIT 2 HYDROGEN RECOMB & ANAL TO UNIT 2 CONT-OUTSIDE CONT ISOL VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.106A J3	REVISION..00
TV.HC.208A	HC	00.375" SO GLOBE ***** UNIT 2 SAMPLE LINE TO AIR SAMPLE PANEL-INSIDE CONTAIN ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE 24	11715.FM.106A I3	REVISION..00
TV.HC.208B	HC	00.375" SO GLOBE ***** UNIT 2 SAMPLE LINE TO AIR SAMPLE PANEL-OUTSIDE CONTAIN ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	11715.FM.106A H3	REVISION..00
TV.HC.209A	HC	00.375" AO GLOBE ***** RETURN ISOLATION FROM AIR SAMPLE PANEL	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.106A F7	REVISION..01
TV.HC.209B	HC	00.375" AO GLOBE ***** RETURN ISOLATION FROM AIR SAMPLE PANEL	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.106A F7	REVISION..01
2.HC.007	HC	02.00" CHECK VALVE ***** CONTAINMENT ATMOSPHERE PURGE BLOWER DISCHARGE CHECK VALVE	NQ	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.106A D6	REVISION..01
2.HC.015	HC	02.00" CHECK VALVE ***** UNIT 2 RETURN LINE FROM UNIT 1 HYDROGEN ANALYZERS & RECOMB- INSIDE CONT ISOL CHECK VALVE	Q2	A.C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.106A I4	REVISION..00 RELIEF REQUEST HC.NOTE.01
2.HC.020	HC	02.00" CHECK VALVE ***** UNIT 2 RETURN LINE FROM UNIT 2 HYDROGEN ANALYZERS & RECOMB- INSIDE CONT ISOL CHECK VALVE	Q2	A.C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.106A I3	REVISION..00 RELIEF REQUEST HC.NOTE.01
2.HC.068	HC	00.375" CHECK VALVE ***** HYDROGEN ANALYZER DISCHARGE CHECK VALVE	Q2	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.106A I6	REVISION..01

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY #MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
2.HC.069	HC	00.375" CHECK VALVE ***** HYDROGEN ANALYZER DISCHARGE CHECK VALVE	Q2	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.106A J6	REVISION..01
2.HC.070	HC	00.375" CHECK VALVE ***** AIR SAMPLE PANEL DISCHARGE CHECK VALVE	NQ	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.106A F7	REVISION..01
MOV.HV.200A	HV	36.00" MO BFLY ***** CONTAINMENT PURGE SUPPLY- INSIDE CONTAINMENT ISOLATION VALVE	Q2	A...E	EXERCISE .. FAILSAFE .. REMOT IND 24 LEAK RATE 24	12050.FB.007C J3	REVISION..01
MOV.HV.200B	HV	36.00" MO BFLY ***** CONTAINMENT PURGE SUPPLY- OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...E	EXERCISE .. FAILSAFE .. REMOT IND NR LEAK RATE 24	12050.FB.007C K3	REVISION..01
MOV.HV.200C	HV	36.00" MO BFLY ***** CONTAINMENT PURGE EXHAUST- INSIDE CONTAINMENT ISOLATION VALVE	Q2	A...E	EXERCISE .. FAILSAFE .. REMOT IND 24 LEAK RATE 24	12050.FB.007C K4	REVISION..01
MOV.HV.200D	HV	36.00" MO BFLY ***** CONTAINMENT PURGE EXHAUST- OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...E	EXERCISE .. FAILSAFE .. REMOT IND NR LEAK RATE 24	12050.FB.007C L3	REVISION..01
MOV.HV.201	HV	08.00" MO BFLY ***** CONTAINMENT PURGE BYPASS- OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...E	EXERCISE .. FAILSAFE .. REMOT IND NR LEAK RATE 24	12050.FB.007C L4	REVISION..01
MOV.HV.202	HV	18.00" MO BFLY ***** CONTAINMENT PURGE ALTERNATE SUPPLY-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...E	EXERCISE .. FAILSAFE .. REMOT IND NR LEAK RATE 24	12050.FB.007C K3	REVISION..01
TV.IA.201A	IA	03.00" AO GLOBE ***** INSTRUMENT AIR SUPPLY FROM CONTAINMENT-INSIDE CONTAINMENT ISOLATION VALVE	Q2	A...E	EXERCISE .. FAILSAFE .. REMOT IND 24 LEAK RATE 24	12050.FM.082C G8	REVISION..01

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY #MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
TV. IA.201B	IA	03.00" AO GLOBE ***** INSTRUMENT AIR SUPPLY FROM CONTAINMENT-OUTSIDE CONTAINMEN ISOLATION VALVE	Q2	A...E	EXERCISE .. FAILSAFE .. REMOT IND NR LEAK RATE 24	12050.FM.082C F8	REVISION..01
TV. IA.202A	IA	03.00" AO GLOBE ***** INSTRUMENT AIR SUPPLY TO CONTAINMENT-OUTSIDE CONTAIN ISOLATION VALVE	Q2	A....	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	12050.FM.082B B5	REVISION..00
TV. IA.202B	IA	03.00" AO GLOBE ***** INSTRUMENT AIR SUPPLY TO CONTAINMENT-OUTSIDE CONTAIN ISOLATION VALVE	Q2	A....	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	12050.FM.082B B5	REVISION..00
2. IA.250	IA	02.00" CHECK VALVE ***** INSTRUMENT AIR SUPPLY TO CONTAINMENT-INSIDE CONTAIN ISOLATION CHECK VALVE	Q2	A.C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE 24	12050.FM.082A 11	REVISION..02 RELIEF REQUEST IA.NOTE.01
2. IA.428	IA	01.00" CHECK VALVE ***** RETURN TO CONTAINMENT FROM RADIATION MONITORING CABINET- INSIDE CONT ISOL CHECK VALVE	Q2	A.C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE 24	12050.FM.82B B3	REVISION..02 RELIEF REQUEST IA.NOTE.01
TV. LM.200A	LM	00.375" AO GLOBE ***** CONTAINMENT LEAKAGE MONITORING OPEN SYSTEM SUPPLY-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A....	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	12050.FM.092A E2	REVISION..00
TV. LM.200B	LM	00.375" AO GLOBE ***** CONTAINMENT LEAKAGE MONITORING OPEN SYSTEM SUPPLY-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A....	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	12050.FM.092A E2	REVISION..00
TV. LM.200C	LM	00.375" AO GLOBE ***** CONTAINMENT LEAKAGE MONITORING OPEN SYSTEM SUPPLY-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A....	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	12050.FM.092A E2	REVISION..00
TV. LM.200D	LM	00.375" AO GLOBE ***** CONTAINMENT LEAKAGE MONITORING OPEN SYSTEM SUPPLY-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A....	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	12050.FM.092A E2	REVISION..00

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VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
TV.LM.200E	LM	00.375" AO GLOBE ***** CONTAINMENT LEAKAGE MONITORING OPEN SYSTEM SUPPLY-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A....	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	12050.FM.092A E2	REVISION..00
TV.LM.200F	LM	00.375" AO GLOBE ***** CONTAINMENT LEAKAGE MONITORING OPEN SYSTEM SUPPLY-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A....	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	12050.FM.092A F2	REVISION..00
TV.LM.200G	LM	00.375" AO GLOBE ***** CONTAINMENT LEAKAGE MONITORING OPEN SYSTEM SUPPLY-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A....	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	12050.FM.092A D3	REVISION..00
TV.LM.200H	LM	00.375" AC GLOBE ***** CONTAINMENT LEAKAGE MONITORING OPEN SYSTEM SUPPLY-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A....	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	12050.FM.092A E3	REVISION..00
TV.LM.201A	LM	00.375" AO GLOBE ***** CONTAINMENT LEAKAGE MONITORING SEALED SYSTEM SUPPLY-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A....	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	12050.FM.092A H3	REVISION..00
TV.LM.201B	LM	00.375" AO GLOBE ***** CONTAINMENT LEAKAGE MONITORING SEALED SYSTEM SUPPLY-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A....	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	12050.FM.092A H3	REVISION..00
TV.LM.201C	LM	00.375" AO GLOBE ***** CONTAINMENT LEAKAGE MONITORING SEALED SYSTEM SUPPLY-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A....	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	12050.FM.092A G3	REVISION..00
TV.LM.201D	LM	00.375" AO GLOBE ***** CONTAINMENT LEAKAGE MONITORING SEALED SYSTEM SUPPLY-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A....	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	12050.FM.92A H3	REVISION..00
NRV.MS.201A	MS	32.00" MO DISC ***** 'A' MAIN STEAM HEADER NON-RETURN VALVE	Q2	..C..	EXERCISE C3 FAILSAFE .. REMOT IND NR LEAK RATE ..	12050.FM.070B D2	REVISION..02 RELIEF REQUEST MS.NOTE.01

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VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
NRV.MS.201B	MS	32.00" MO DISC ***** 'B' MAIN STEAM HEADER NON-RETURN VALVE	Q2	..C..	EXERCISE C3 FAILSAFE .. REMOT IND NR LEAK RATE ..	12050.FM.070B J4	REVISION..02 RELIEF REQUEST MS.NOTE.01
NRV.MS.201C	MS	32.00" MO DISC ***** 'C' MAIN STEAM HEADER NON-RETURN VALVE	Q2	..C..	EXERCISE C3 FAILSAFE .. REMOT IND NR LEAK RATE ..	12050.FM.070B D6	REVISION..02 RELIEF REQUEST MS.NOTE.01
SV.MS.201A	MS	06.00" SAFETY VALVE ***** 'A' MAIN STEAM HEADER SAFETY VALVE-SV DISCHARGE TO ATMOS	Q2	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.070B B3	REVISION..00
SV.MS.201B	MS	06.00" SAFETY VALVE ***** 'B' MAIN STEAM HEADER SAFETY VALVE-SV DISCHARGE TO ATMOS	Q2	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.070B H4	REVISION..00
SV.MS.201C	MS	06.00" SAFETY VALVE ***** 'C' MAIN STEAM HEADER SAFETY VALVE-SV DISCHARGE TO ATMOS	Q2	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.070B B6	REVISION..00
SV.MS.202A	MS	06.00" SAFETY VALVE ***** 'A' MAIN STEAM HEADER SAFETY VALVE-SV DISCHARGE TO ATMOS	Q2	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.070B C3	REVISION..00
SV.MS.202B	MS	06.00" SAFETY VALVE ***** 'B' MAIN STEAM HEADER SAFETY VALVE-SV DISCHARGE TO ATMOS	Q2	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.070B I5	REVISION..00
SV.MS.202C	MS	06.00" SAFETY VALVE ***** 'C' MAIN STEAM HEADER SAFETY VALVE-SV DISCHARGE TO ATMOS	Q2	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.070B C7	REVISION..00
SV.MS.203A	MS	06.00" SAFETY VALVE ***** 'A' MAIN STEAM HEADER SAFETY VALVE-SV DISCHARGE TO ATMOS	Q2	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.070B C3	REVISION..00

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VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
SV.MS.203B	MS	06.00" SAFETY VALVE ***** 'B' MAIN STEAM HEADER SAFETY VALVE-SV DISCHARGE TO ATMOS	Q2	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.070B H4	REVISION..00
SV.MS.203C	MS	06.00" SAFETY VALVE ***** 'C' MAIN STEAM HEADER SAFETY VALVE-SV DISCHARGE TO ATMOS	Q2	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.070B B7	REVISION..00
SV.MS.204A	MS	06.00" SAFETY VALVE ***** 'A' MAIN STEAM HEADER SAFETY VALVE-SV DISCHARGE TO ATMOS	Q2	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.070B B3	REVISION..00
SV.MS.204B	MS	06.00" SAFETY VALVE ***** 'B' MAIN STEAM HEADER SAFETY VALVE-SV DISCHARGE TO ATMOS	Q2	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.070B H4	REVISION..00
SV.MS.204C	MS	06.00" SAFETY VALVE ***** 'C' MAIN STEAM HEADER SAFETY VALVE-SV DISCHARGE TO ATMOS	Q2	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.070B B7	REVISION..00
SV.MS.205A	MS	06.00" SAFETY VALVE ***** 'A' MAIN STEAM HEADER SAFETY VALVE-SV DISCHARGE TO ATMOS	Q2	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.070B C3	REVISION..00
SV.MS.205B	MS	06.00" SAFETY VALVE ***** 'B' MAIN STEAM HEADER SAFETY VALVE-SV DISCHARGE TO ATMOS	Q2	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.070B I4	REVISION..00
SV.MS.205C	MS	06.00" SAFETY VALVE ***** 'C' MAIN STEAM HEADER SAFETY VALVE-SV DISCHARGE TO ATMOS	Q2	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.070B C7	REVISION..00
TV.MS.201A	MS	32.00" AO DISC ***** 'A' MAIN STEAM HEADER TRIP VALVE	Q2	..B..	EXERCISE C3 FAILSAFE C3 REMOT IND NR LEAK RATE ..	12050.FM.070B D4	REVISION..02 RELIEF REQUEST MS.NOTE.04

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
TV.MS.201B	MS	32.00" AO DISC ***** 'B' MAIN STEAM HEADER TRIP VALVE	Q2	.B...	EXERCISE C3 FAILSAFE C3 REMOT IND NR LEAK RATE ..	12050.FM.070B J5	REVISION..02 RELIEF REQUEST MS.NOTE.04
TV.MS.201C	MS	32.00" AO DISC ***** 'C' MAIN STEAM HEADER TRIP VALVE	Q2	.B...	EXERCISE C3 FAILSAFE C3 REMOT IND NR LEAK RATE ..	12050.FM.070B D7	REVISION..02 RELIEF REQUEST MS.NOTE.04
TV.MS.209	MS	03.00" AO GLOBE ***** MAIN STEAM HIGH PRESSURE DRAIN ISOLATION TO CONDENSER	Q3	.B...	EXERCISE C3 FAILSAFE C3 REMOT IND NR LEAK RATE ..	12050.FM.070A F7	REVISION..00 RELIEF REQUEST MS.NOTE.02
TV.MS.210	MS	02.00" AO GLOBE ***** MAIN STEAM HIGH PRESSURE DRAIN HEADER ISOLATION TO STEAM GENERATOR BLOWDOWN SYSTEM	Q3	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE ..	12050.FM.070B C8	REVISION..00
TV.MS.211A	MS	03.00" AO GLOBE ***** MAIN STEAM SUPPLY TRIP VALVE TO TURBINE DRIVEN AUXILIARY FEEDWATER PUMP	Q3	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE ..	12050.FM.070A C8	REVISION..00
TV.MS.211B	MS	03.00" AO GLOBE ***** MAIN STEAM SUPPLY TRIP VALVE TO TURBINE DRIVEN AUXILIARY FEEDWATER PUMP	Q3	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE ..	12050.FM.070A C8	REVISION..00
TV.TERRY.TURB.2	MS	03.00" TRIP VALVE ***** TURBINE DRIVEN AUXILIARY FEED WATER PUMP STEAM INLET TRIP THROTTLE VALVE	Q3	.B...	EXERCISE C3 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.070A B2	REVISION..00 RELIEF REQUEST MS.NOTE.03
2.MS.019	MS	03.00" MAN CHECK VLV ***** 'A' MAIN STEAM HEADER SUPPLY CHECK VALVE TO DECAY HEAT RELEASE	Q2	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.070B C3	REVISION..01
2.MS.058	MS	03.00" MAN CHECK VLV ***** 'B' MAIN STEAM HEADER SUPPLY CHECK VALVE TO DECAY HEAT RELEASE	Q2	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.070B 15	REVISION..01

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
2.MS.096	MS	03.00" MAN CHECK VLV ***** 'C' MAIN STEAM HEADER SUPPLY CHECK VALVE TO DECAY HEAT RELEASE	Q2	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.070B C7	REVISION..01
2.MS.117	MS	03.00" CHECK VALVE ***** 'B' MAIN STEAM HEADER SUPPLY CHECK VALVE TO TURBINE DRIVEN AUXILIARY FEEDWATER PUMP	Q3	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.070A E8	REVISION..00
2.MS.119	MS	03.00" CHECK VALVE ***** 'C' MAIN STEAM HEADER SUPPLY CHECK VALVE TO TURBINE DRIVEN AUXILIARY FEEDWATER PUMP	Q3	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.070A D8	REVISION..00
2.MS.121	MS	03.00" CHECK VALVE ***** 'A' MAIN STEAM HEADER SUPPLY CHECK VALVE TO TURBINE DRIVEN AUXILIARY FEEDWATER PUMP	Q3	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.070A E8	REVISION..00
MOV.QS.200A	QS	10.00" MO GATE ***** 'A' QUENCH SPRAY PUMP SUCTION ISOLATION VALVE FROM REFUELING WATER STORAGE TANK	Q3	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	12050.FM.091A I3	REVISION..00
MOV.QS.200B	QS	10.00" MO GATE ***** 'B' QUENCH SPRAY PUMP SUCTION ISOLATION FROM REFUELING WATER STORAGE TANK	Q3	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	12050.FM.091A I3	REVISION..00
MOV.QS.201A	QS	08.00" MO GATE ***** 'A' QUENCH SPRAY PUMP DISCHARG ISOLATION VALVE-OUTSIDE CONTAINMENT ISOLATION VALVE	Q3	A...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE 24	12050.FM.091A F2	REVISION..00
MOV.QS.201B	QS	08.00" MO GATE ***** 'B' QUENCH SPRAY PUMP DISCHARG ISOLATION VALVE-OUTSIDE CONTAINMENT ISOLATION VALVE	Q3	A...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE 24	12050.FM.091A F2	REVISION..00
MOV.QS.202A	QS	06.00" MO GATE ***** CHEMICAL ADDITION TANK DISCHARGE ISOLATION VALVE	Q3	.B...	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.091A K3	REVISION..00

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
MOV.QS.202B	QS	06.00" MO GATE ***** CHEMICAL ADDITION TANK DISCHARGE ISOLATION VALVE	Q3	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	12050.FM.091A K3	REVISION..00
2.QS.011	QS	08.00" WL CHECK VLV ***** 'A' QUENCH SPRAY PUMP INSIDE CONTAINMENT ISOLATION CHECK VALVE	Q2	A.C..	EXERCISE C3 FAILSAFE .. REMOT IND .. LEAK RATE 24	12050.FM.091A F2	REVISION..02 RELIEF REQUEST QS.NOTE.01
2.QS.022	QS	08.00" WL CHECK VLV ***** 'B' QUENCH SPRAY PUMP INSIDE CONTAINMENT ISOLATION CHECK VALVE	Q2	A.C..	EXERCISE C3 FAILSAFE .. REMOT IND .. LEAK RATE 24	12050.FM.091A F2	REVISION..02 RELIEF REQUEST QS.NOTE.01
MOV.2535	RC	03.00" MO GATE ***** BLOCK VALVE FOR PRESSURIZER POWER OPERATED RELIEF VALVE	Q1	.B...	EXERCISE 03 FAILSAFE .. REMOT IND 24 LEAK RATE ..	12050.FM.093B 15	REVISION..01
MOV.2536	RC	03.00" MO GATE ***** BLOCK VALVE FOR PRESSURIZER POWER OPERATED RELIEF VALVE	Q1	.B...	EXERCISE 03 FAILSAFE .. REMOT IND 24 LEAK RATE ..	12050.FM.093B 15	REVISION..01
PORV.2455C	RC	03.00" AO RELIEF VLV ***** PRESSURIZER POWER OPERATED RELIEF VALVE-RV DISCHARGE TO PRESSURIZER RELIEF TANK	Q1	.B...	EXERCISE C3 FAILSAFE C3 REMOT IND 24 LEAK RATE ..	12050.FM.093B J5	REVISION..00 RELIEF REQUEST RC.NOTE.01
PORV.2456	RC	03.00" AO RELIEF VLV ***** PRESSURIZER POWER OPERATED RELIEF VALVE-RV DISCHARGE TO PRESSURIZER RELIEF TANK	Q1	.B...	EXERCISE C3 FAILSAFE C3 REMOT IND 24 LEAK RATE ..	12050.FM.093B J5	REVISION..00 RELIEF REQUEST RC.NOTE.01
SOV.RC.201A.1	RC	01.00" SO GLOBE ***** REACTOR VESSEL VENT LINE ISOLATION VALVE TO REFUELING CAVITY	Q2	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE ..	12050.FM.093A K5	REVISION..00
SOV.RC.201A.2	RC	01.00" SO GLOBE ***** REACTOR VESSEL VENT LINE ISOLATION VALVE TO REFUELING CAVITY	Q2	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE ..	12050.FM.093A K5	REVISION..00

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
SOV.RC.201B.1	RC	01.00" SO GLOBE ***** REACTOR VESSEL VENT LINE ISOLATION VALVE TO REFUELING CAVITY	Q2	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE ..	12050.FM.093A K5	REVISION..00
SOV.RC.201B.2	RC	01.00" SO GLOBE ***** REACTOR VESSEL VENT LINE ISOLATION VALVE TO REFUELING CAVITY	Q2	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE ..	12050.FM.093A K5	REVISION..00
SOV.RC.202A.1	RC	01.00" SO GLOBE ***** PRESSURIZER VENT LINE ISOLATION VALVE TO REFUELING CAVITY	Q2	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE ..	12050.FM.093B K4	REVISION..00
SOV.RC.202A.2	RC	01.00" SO GLOBE ***** PRESSURIZER VENT LINE ISOLATION VALVE TO REFUELING CAVITY	Q2	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE ..	12050.FM.093B K4	REVISION..00
SOV.RC.202B.1	RC	01.00" SO GLOBE ***** PRESSURIZER VENT LINE ISOLATION VALVE TO REFUELING CAVITY	Q2	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE ..	12050.FM.093B K4	REVISION..00
SOV.RC.202B.2	RC	01.00" SO GLOBE ***** PRESSURIZER VENT LINE ISOLATION VALVE TO REFUELING CAVITY	Q2	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE ..	12050.FM.093B K4	REVISION..00
SV.2551A	RC	06.00" SAFETY VALVE ***** PRESSURIZER SAFETY VALVE- SV DISCHARGE TO PRESSURIZER RELIEF TANK	Q1	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.093B G4	REVISION..00
SV.2551B	RC	06.00" SAFETY VALVE ***** PRESSURIZER SAFETY VALVE- SV DISCHARGE TO PRESSURIZER RELIEF TANK	Q1	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.093B F4	REVISION..00
SV.2551C	RC	06.00" SAFETY VALVE ***** PRESSURIZER SAFETY VALVE- SV DISCHARGE TO PRESSURIZER RELIEF TANK	Q1	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.093B F4	REVISION..00

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
TV.2519A	RC	03.00" AO GLOBE ***** PRIMARY GRADE WATER SUPPLY TO PRT.#2 RCP SEAL STANDPIPES & FLUSH CONNECT-OUT CONT ISO VLV	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	12050.FM.093B A6	REVISION..00
2.RC.143	RC	00.125" MANUAL NEEDLE ***** PRESSURIZER PRESSURE DEAD WEIGHT TESTER ISOLATION- OUTSIDE CONT ISOLATION VALVE	Q1	A...E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE 24	12050.FM.093B J6	REVISION..00
2.RC.145	RC	00.125" MANUAL NEEDLE ***** PRESSURIZER PRESSURE DEAD WEIGHT TESTER ISOLATION- OUTSIDE CONT ISOLATION VALVE	Q1	A...E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE 24	12050.FM.093B J6	REVISION..00
2.RC.162	RC	03.00" CHECK VALVE ***** PRIMARY GRADE WATER SUPPLY TO PRT.#2 RCP SEAL STANDPIPES & FLUSH CONNECT-IN CONT ISO VLV	Q1	A.C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE 24	12050.FM.093B B6	REVISION..02 RELIEF REQUEST RC.NOTE.02
FCV.2605	RH	12.00" AO BFLY ***** RHR HEAT EXCHANGERS BYPASS FLOW CONTROL VALVE	Q2	.B...	EXERCISE C3 FAILSAFE C3 REMOT IND 24 LEAK RATE ..	12050.FM.094A B4	REVISION..02 RELIEF REQUEST RHR.NOTE.03
HCV.2758	RH	12.00" AO BFLY ***** RHR HEAT EXCHANGERS DISCHARGE FLOW CONTROL VALVE	Q2	.B...	EXERCISE C3 FAILSAFE C3 REMOT IND 24 LEAK RATE ..	12050.FM.094A G4	REVISION..02 RELIEF REQUEST RHR.NOTE.03
MOV.2700	RH	14.00" MO GATE ***** RHR PUMP SUPPLY ISOLATION FROM 'A' HOT LEG-INSIDE MISSLE BARRIER	Q1	A....	EXERCISE C3 FAILSAFE .. REMOT IND 24 LEAK RATE C9	12050.FM.094A H7	REVISION..02 RELIEF REQUEST RHR.NOTE.01
MOV.2701	RH	14.00" MO GATE ***** RHR PUMP SUPPLY ISOLATION FROM 'A' HOT LEG-OUTSIDE MISSLE BARRIER	Q1	A....	EXERCISE C3 FAILSAFE .. REMOT IND 24 LEAK RATE C9	12050.FM.094A H7	REVISION..02 RELIEF REQUEST RHR.NOTE.01
MOV.2720A	RH	10.00" MO GATE ***** RHR RETURN ISOLATION TO 'B' ACCUMULATOR DISCHARGE LINE	Q1	A....	EXERCISE C3 FAILSAFE .. REMOT IND 24 LEAK RATE C9	12050.FM.094A K5	REVISION..02 RELIEF REQUEST RHR.NOTE.01

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VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
MOV.2720B	RH	10.00" MO GATE ***** RHR RETURN ISOLATION TO 'C' ACCUMULATOR DISCHARGE LINE	Q1	A...	EXERCISE C3 FAILSAFE .. REMOT IND 24 LEAK RATE C9	12050.FM.094A K5	REVISION..02 RELIEF REQUEST RHR.NOTE.01
RV.2721A	RH	03.00" RELIEF VALVE ***** RHR SYSTEM RELIEF VALVE AT 'A' RHR PUMP SUCTION-RV DISCHARGE TO PRESSURIZER RELIEF TANK	Q2	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.094A C6	REVISION..00
RV.2721B	RH	03.00" RELIEF VALVE ***** RHR SYSTEM RELIEF VALVE AT 'B' RHR PUMP SUCTION-RV DISCHARGE TO PRESSURIZER RELIEF TANK	Q2	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.094A E6	REVISION..00
2.RH.007	RH	10.00" CHECK VALVE ***** 'B' RHR PUMP DISCHARGE CHECK VALVE	Q2	..C..	EXERCISE C3 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.094A B6	REVISION..00 RELIEF REQUEST RHR.NOTE.02
2.RH.015	RH	10.00" CHECK VALVE ***** 'A' RHR PUMP DISCHARGE CHECK VALVE	Q2	..C..	EXERCISE C3 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.094A D6	REVISION..00 RELIEF REQUEST RHR.NOTE.C2
2.RH.037	RH	06.00" MANUAL GATE ***** RHR SUPPLY ISOLATION TO REFUEL WATER STORAGE TANK-INSIDE CONTAINMENT ISOLATION VALVE	Q2	A...E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE 24	12050.FM.094A G4	REVISION..00
2.RH.038	RH	06.00" MANUAL GATE ***** RHR SUPPLY ISOLATION TO REFUEL WATER STORAGE TANK-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE 24	12050.FM.094A J3	REVISION..00
TV.RM.200A	RM	01.00" AO GLOBE ***** RETURN ISOLATION FROM AIR RADIATION MONITOR TO CONTAIN- OUTSIDE CONT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	12050.FM.082B C3	REVISION..00
TV.RM.200B	RM	01.00" AO GLOBE ***** SUPPLY ISOL TO AIR RAD MONITOR FROM CONTAINMENT VENT DUCT- OUTSIDE CONT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	12050.FM.082B C2	REVISION..00

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI 1WV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
TV.RM.200C	RM	01.00" AO GLOBE ***** SUPPLY ISOL TO AIR RAD MONITOR FROM CONTAINMENT VENT DUCT- INSIDE CONT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE 24	12050.FM.082B B2	REVISION..00
TV.RM.200D	RM	01.00" AO GLOBE ***** RETURN ISOL FROM AIR RADIATION MONITOR TO CONTAINMENT OUTSIDE CONT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	12050.FM.082B D3	REVISION..00
1.RP.050	RP	06.00" MANUAL DIA ***** REFUELING PURIFICATION FROM REACTOR CAVITY TO RP PUMPS- OUTSIDE CONT ISOLATION VALVE	Q2	A...E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.088A J5	REVISION..00
1.RP.084	RP	06.00" MANUAL DIA ***** REFUELING PURIFICATION FROM RP PUMPS TO REACTOR CAVITY- OUTSIDE CONT ISOLATION VALVE	Q2	A...E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.088A J5	REVISION..00
2.RP.006	RP	06.00" MANUAL DIA ***** REFUELING PURIFICATION FROM REACTOR CAVITY TO RP PUMPS- INSIDE CONT ISOLATION VALVE	Q2	A...E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.088A J5	REVISION..00
2.RP.007	RP	06.00" MANUAL DIA ***** REFUELING PURIFICATION FROM RP PUMPS TO REACTOR CAVITY- INSIDE CONT ISOLATION VALVE	Q2	A...E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE 24	11715.FM.088A J4	REVISION..00
MOV.RS.200A	RS	08.00" MO GATE ***** 'A' CASING COOLING PUMP DISCHARGE ISOL TO 'A' OUTSIDE RECIRC SPRAY PUMP SUCTION	Q2	A...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE 24	12050.FM.091B C1	REVISION..00
MOV.RS.200B	RS	08.00" MO GATE ***** 'B' CASING COOLING PUMP DISCHARGE ISOL TO 'B' OUTSIDE RECIRC SPRAY PUMP SUCTION	Q2	A...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE 24	12050.FM.091B C3	REVISION..00
MOV.RS.201A	RS	06.00" MO GATE ***** 'A' CASING COOLING PUMP DISCHARGE ISOL TO 'A' OUTSIDE RECIRC SPRAY PUMP SUCTION	Q2	A...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE 24	12050.FM.091B E3	REVISION..00

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASM X1 IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
MOV.RS.201B	RS	05.00" MO GATE ***** 'B' CASING COOLING PUMP DISCHARGE ISOL TO 'B' OUTSIDE RECIRC SPRAY PUMP SUCTION	Q2	A...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE 24	12050.FM.091B E2	REVISION..00
MOV.RS.255A	RS	12.00" MO GATE ***** 'A' OUTSIDE RECIRC SPRAY PUMP SUCTION ISOL VALVE FROM CON- TAINMENT SUMP & CASING COOLING	Q2	A...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	12050.FM.091A G8	REVISION..00
MOV.RS.255B	RS	12.00" MO GATE ***** 'B' OUTSIDE RECIRC SPRAY PUMP SUCTION ISOL VALVE FROM CON- TAINMENT SUMP & CASING COOLING	Q2	A...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	12050.FM.091A G8	REVISION..00
MOV.RS.256A	RS	10.00" MO GATE ***** 'A' OUTSIDE RECIRC SPRAY PUMP DISCHARGE ISOLATION-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE 24	12050.FM.091A F6	REVISION..00
MOV.RS.256B	RS	10.00" MO GATE ***** 'B' OUTSIDE RECIRC SPRAY PUMP DISCHARGE ISOLATION-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE 24	12050.FM.091A F6	REVISION..00
2.RS.020	RS	10.00" WL CHECK VLV ***** 'A' OUTSIDE RECIRC SPRAY PUMP INSIDE CONTAINMENT ISOLATION CHECK VALVE	Q2	A.C..	EXERCISE C3 FAILSAFE .. REMOT IND .. LEAK RATE 24	12050.FM.091A F6	REVISION..02 RELIEF REQUEST RS.NOTE.01
2.RS.030	RS	10.00" WL CHECK VLV ***** 'B' OUTSIDE RECIRC SPRAY PUMP INSIDE CONTAINMENT ISOLATION CHECK VALVE	Q2	A.C..	EXERCISE C3 FAILSAFE .. REMOT IND .. LEAK RATE 24	12050.FM.091A F6	REVISION..02 RELIEF REQUEST RS.NOTE.01
2.RS.103	RS	08.00" CHECK VALVE ***** 'A' CASING COOLING PUMP DISCHARGE CHECK VALVE TO 'A' OUTSIDE RECIRC SPRAY PUMP SUCT	Q2	..C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.091B C3	REVISION..02 RELIEF REQUEST RS.NOTE.02
2.RS.118	RS	08.00" CHECK VALVE ***** 'B' CASING COOLING PUMP DISCHARGE CHECK VALVE TO 'B' OUTSIDE RECIRC SPRAY PUMP SUCT	Q2	..C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.091B C2	REVISION..02 RELIEF REQUEST RS.NOTE.02

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
2.SA.065	SA	02.00" MANUAL GLOBE ***** SERVICE AIR SUPPLY TO UNIT 1 CONTAINMENT-OUTSIDE CONTAIN- MENT ISOLATION VALVE	Q2	A...E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE 24	12050.FM.082F C2	REVISION..00
2.SA.123	SA	02.00" MANUAL GATE ***** SERVICE AIR SUPPLY TO UNIT 1 CONTAINMENT-INSIDE CONTAINMENT ISOLATION VALVE	Q2	A...E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE 24	12050.FM.082F C8	REVISION..00
HCV.2936	SI	01.00" AO GATE ***** WASTE GAS FROM ACCUMULATORS TO CHARCOAL FILTERS	Q2	A...	EXERCISE C3 FAILSAFE C3 REMOT IND 24 LEAK RATE 24	12050.FM.096B H5	REVISION..00 RELIEF REQUEST SI.NOTE.01
MOV.2836	SI	03.00" MO GATE ***** HIGH HEAD SI FROM CHARGING HEADER TO RCS COLD LEGS- OUTSIDE CONT ISOLATION VALVE	Q1	A...	EXERCISE C9 FAILSAFE .. REMOT IND NR LEAK RATE C9	12050.FM.096A A2	REVISION..02 RELIEF REQUEST SI.NOTE.02
MOV.2860A	SI	12.00" MO GATE ***** 'A' LOW HEAD SI PUMP SUCTION ISOLATION FROM CONTAINMENT SUMP	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	12050.FM.096A C8	REVISION..00
MOV.2860B	SI	12.00" MO GATE ***** 'B' LOW HEAD SI PUMP SUCTION ISOLATION FROM CONTAINMENT SUMP	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	12050.FM.096A F8	REVISION..00
MOV.2862A	SI	10.00" MO GATE ***** 'A' LOW HEAD SI PUMP SUCTION FROM RWST	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	12050.FM.096A F9	REVISION..00
MOV.2862B	SI	10.00" MO GATE ***** 'B' LOW HEAD SI PUMP SUCTION FROM RWST	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	12050.FM.096A F8	REVISION..00
MOV.2863A	SI	08.00" MO GATE ***** 'A' LOW HEAD SAFETY INJECTION PUMP SUPPLY ISOLATION TO CHARGING PUMPS	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	12050.FM.096A D6	REVISION..00

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI 1WV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
MOV.2863B	SI	08.00" MO GATE ***** 'B' LOW HEAD SAFETY INJECTION PUMP SUPPLY ISOLATION TO CHARGING PUMPS	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	12050.FM.096A G6	REVISION..00
MOV.2864A	SI	10.00" MO GATE ***** 'A' LOW HEAD SI PUMP COLD LEG DISCHARGE STOP VALVE	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	12050.FM.096A B6	REVISION..00
MOV.2864B	SI	10.00" MO GATE ***** 'B' LOW HEAD SI PUMP COLD LEG DISCHARGE STOP VALVE	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	12050.FM.096A C6	REVISION..00
MOV.2865A	SI	12.00" MO GATE ***** 'A' ACCUMULATOR DISCHARGE ISOLATION VALVE TO RCS COLD LEG	Q3	.B...	EXERCISE C3 FAILSAFE .. REMOT IND 24 LEAK RATE ..	12050.FM.096B C5	REVISION..00 RELIEF REQUEST SI.NOTE.03
MOV.2865B	SI	12.00" MO GATE ***** 'B' ACCUMULATOR DISCHARGE ISOLATION VALVE TO RCS COLD LEG	Q3	.B...	EXERCISE C3 FAILSAFE .. REMOT IND 24 LEAK RATE ..	12050.FM.096B F6	REVISION..00 RELIEF REQUEST SI.NOTE.03
MOV.2865C	SI	12.00" MO GATE ***** 'C' ACCUMULATOR DISCHARGE ISOLATION VALVE TO RCS COLD LEG	Q3	.B...	EXERCISE C3 FAILSAFE .. REMOT IND 24 LEAK RATE ..	12050.FM.096B C8	REVISION..00 RELIEF REQUEST SI.NOTE.03
MOV.2867A	SI	03.00" MO GATE ***** BORON INJECTION TANK HIGH HEAD SI INLET VALVE	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	12050.FM.096A I2	REVISION..00
MOV.2867B	SI	03.00" MO GATE ***** BORON INJECTION TANK HIGH HEAD SI INLET VALVE	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	12050.FM.096A I2	REVISION..00
MOV.2867C	SI	03.00" MO GATE ***** BORON INJECTION TANK OUTLET TO RCS COLD LEG-OUTSIDE CONTAIN ISOLATION VALVE	Q1	A...	EXERCISE C9 FAILSAFE .. REMOT IND NR LEAK RATE C9	12050.FM.096A B1	REVISION..02 RELIEF REQUEST SI.NOTE.04

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
MOV.2867D	SI	03.00" MO GATE ***** BORON INJECTION TANK OUTLET TO RCS COLD LEG-OUTSIDE CONTAIN ISOLATION VALVE	Q1	A...	EXERCISE C9 FAILSAFE .. REMOT IND NR LEAK RATE C9	12050.FM.096A B2	REVISION..02 RELIEF REQUEST SI.NOTE.04
MOV.2869A	SI	03.00" MO GATE ***** HIGH HEAD SI FROM CHARGING HEADER TO RCS HOT LEGS-OUTSIDE CONTAINMENT ISOLATION VALVE	Q1	A...	EXERCISE C9 FAILSAFE .. REMOT IND NR LEAK RATE C9	12050.FM.096A A2	REVISION..02 RELIEF REQUEST SI.NOTE.02
MOV.2869B	SI	03.00" MO GATE ***** HIGH HEAD SI FROM CHARGING HEADER TO RCS HOT LEGS-OUTSIDE CONTAINMENT ISOLATION VALVE	Q1	A...	EXERCISE C9 FAILSAFE .. REMOT IND NR LEAK RATE C9	12050.FM.096A A2	REVISION..02 RELIEF REQUEST SI.NOTE.02
MOV.2885A	SI	02.00" MO GLOBE ***** 'A' LOW HEAD SI PUMP MINIMUM FLOW/TEST LINE ISOLATION	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	12050.FM.096A E7	REVISION..00
MOV.2885B	SI	02.00" MO GLOBE ***** 'B' LOW HEAD SI PUMP MINIMUM FLOW/TEST LINE ISOLATION	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	12050.FM.096A H7	REVISION..00
MOV.2885C	SI	02.00" MO GLOBE ***** 'A' LOW HEAD SI PUMP MINIMUM FLOW/TEST LINE ISOLATION	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	12050.FM.096A J5	REVISION..00
MOV.2885D	SI	02.00" MO GLOBE ***** 'B' LOW HEAD SI PUMP MINIMUM FLOW/TEST LINE ISOLATION	Q2	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	12050.FM.096A H5	REVISION..00
MOV.2890A	SI	10.00" MO GATE ***** 'A' LOW HEAD SI PUMP HOT LEG DISCHARGE STOP VALVE-OUTSIDE CONTAINMENT ISOLATION VALVE	Q1	A...	EXERCISE C9 FAILSAFE .. REMOT IND NR LEAK RATE C9	12050.FM.096A B6	REVISION..02 RELIEF REQUEST SI.NOTE.02
MOV.2890B	SI	10.00" MO GATE ***** 'B' LOW HEAD SI PUMP HOT LEG DISCHARGE STOP VALVE-OUTSIDE CONTAINMENT ISOLATION VALVE	Q1	A...	EXERCISE C9 FAILSAFE .. REMOT IND NR LEAK RATE C9	12050.FM.096A B5	REVISION..02 RELIEF REQUEST SI.NOTE.02

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VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
MOV.2890C	SI	10.00" MO GATE ***** LOW HEAD SI PUMPS COLD LEG DISCHARGE STOP VALVE-OUTSIDE CONTAINMENT ISOLATION VALVE	Q1	A...	EXERCISE C9 FAILSAFE .. REMOT IND NR LEAK RATE C9	12050.FM.096A B6	REVISION..02 RELIEF REQUEST SI.NOTE.04
MOV.2890D	SI	10.00" MO GATE ***** LOW HEAD SI PUMPS COLD LEG DISCHARGE STOP VALVE-OUTSIDE CONTAINMENT ISOLATION VALVE	Q1	A...	EXERCISE C9 FAILSAFE .. REMOT IND NR LEAK RATE C9	12050.FM.096A B6	REVISION..02 RELIEF REQUEST SI.NOTE.04
RV.2845A	SI	00.75" RELIEF VALVE ***** 'A' LOW HEAD SI PUMP DISCHARGE RELIEF VALVE-RV DISCHARGE TO SAFEGUARDS AREA SUMP	Q2	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.096A C6	REVISION..00
RV.2845B	SI	00.75" RELIEF VALVE ***** LOW HEAD SI HEADER TO COLD LEG RELIEF VALVE-RV DISCHARGE TO SAFEGUARDS AREA SUMP	Q2	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.096A C6	REVISION..00
RV.2845C	SI	00.75" RELIEF VALVE ***** 'B' LOW HEAD SI PUMP DISCHARGE RELIEF VALVE-RV DISCHARGE TO SAFEGUARDS AREA SUMP	Q2	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.096A C5	REVISION..00
RV.2857B	SI	00.75" RELIEF VALVE ***** BORON INJECTION TANK RELIEF VALVE-RV DISCHARGE TO FLOOR DRAIN	Q2	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.096A D1	REVISION..00
RV.2858A	SI	01.00" RELIEF VALVE ***** 'A' ACCUMULATOR RELIEF VALVE	Q3	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.096B C4	REVISION..00
RV.2858B	SI	01.00" RELIEF VALVE ***** 'B' ACCUMULATOR RELIEF VALVE	Q3	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.096B C5	REVISION..00
RV.2858C	SI	01.00" RELIEF VALVE ***** 'C' ACCUMULATOR RELIEF VALVE	Q3	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.096B C7	REVISION..00

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI 1WV CAT	TEST FREQUENCY *MONTHC*	P&ID NUMBER/LOCATION	COMMENTS
TV.SI.200	SI	01.00" AO GLOBE ***** NITROGEN SUPPLY TO ACCUMULATORS-OUTSIDE CONTAIN ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	12050.FM.096B K4	REVISION..00
TV.SI.201	SI	01.00" AO GLOBE ***** ACCUMULATORS TO WASTE GAS CHARCOAL FILTERS-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	12050.FM.096B J4	REVISION..00
TV.2842	SI	00.75" AO GLOBE ***** ACCUMULATOR TEST LINE-INSIDE CONTAINMENT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE 24	12050.FM.096B J4	REVISION..00
TV.2859	SI	00.75" AO GLOBE ***** ACCUMULATOR TEST LINE-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	12050.FM.096A A5	REVISION..00
TV.2884A	SI	01.00" AO GLOBE ***** BORON INJECTION TANK RETURN ISOLATION TO BORIC ACID STORAGE TANK	Q2	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE ..	12050.FM.096A H1	REVISION..00
TV.2884B	SI	01.00" AO GLOBE ***** BORON INJECTION TANK RETURN ISOLATION TO BORIC ACID STORAGE TANK	Q2	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE ..	12050.FM.096A H1	REVISION..00
TV.2884C	SI	01.00" AO GLOBE ***** BORON INJECTION TANK SUPPLY ISOLATION FROM BORIC ACID TRANSFER PUMPS	Q2	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE ..	12050.FM.096A G2	REVISION..00
2.SI.001	SI	12.00" CHECK VALVE ***** 'A' LOW HEAD SI PUMP SUCTION CHECK VALVE FROM CONTAINMENT SUMP	Q2	..C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.096A C8	REVISION..02 RELIEF REQUEST SI.NOTE.05
2.SI.006	SI	00.75" CHECK VALVE ***** 'A' LOW HEAD SI PUMP SEAL WATER SUPPLY CHECK VALVE FROM RWST	Q2	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.096A C7	REVISION..00

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2.SI.009	SI	10.00" CHECK VALVE ***** 'A' LOW HEAD SI PUMP DISCHARGE CHECK VALVE	Q2	..C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.096A D7	REVISION..02 RELIEF REQUEST SI.NOTE.06
2.SI.012	SI	02.00" CHECK VALVE ***** 'A' LOW HEAD SI PUMP MINIMUM FLOW/TEST LINE DISCHARGE CHECK VALVE	Q2	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.096A D7	REVISION..00
2.SI.018	SI	08.00" CHECK VALVE ***** RWST SUPPLY CHECK VALVE TO CHARGING PUMP SUCTION HEADER	Q3	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.096A F4	REVISION..00 RELIEF REQUEST SI.NOTE.07
2.SI.019	SI	12.00" CHECK VALVE ***** RWST SUPPLY CHECK VALVE TO 'B' LOW HEAD SI PUMP SUCTION	Q2	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.096A F8	REVISION..00
2.SI.021	SI	12.00" CHECK VALVE ***** 'B' LOW HEAD SI PUMP SUCTION CHECK VALVE FROM CONTAINMENT SUMP	Q2	..C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.096A F8	REVISION..02 RELIEF REQUEST SI.NOTE.05
2.SI.029	SI	00.75" CHECK VALVE ***** 'B' LOW HEAD SI PUMP SEAL WATER SUPPLY CHECK VALVE	Q2	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.096A F7	REVISION..00
2.SI.032	SI	10.00" CHECK VALVE ***** 'B' LOW HEAD SI PUMP DISCHARGE CHECK VALVE	Q2	..C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.096A G7	REVISION..02 RELIEF REQUEST SI.NOTE.06
2.SI.035	SI	02.00" CHECK VALVE ***** 'B' LOW HEAD SI PUMP MINIMUM FLOW/TEST LINE DISCHARGE CHECK VALVE	Q2	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.096A G6	REVISION..00
2.SI.047	SI	01.00" MANUAL GLOBE ***** ACCUMULATOR MAKEUP LINE- OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE 24	12050.FM.096A A4	REVISION..00

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
2.SI.070	SI	01.00" CHECK VALVE ***** BORON INJECTION TANK SUPPLY CHECK VALVE FROM BORIC ACID TRANSFER PUMPS	Q2	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.096A G2	REVISION..00
2.SI.083	SI	01.00" MANUAL GLOBE ***** BORON INJECTION TANK BYPASS LINE ISOLATION VALVE- TO RCS COLD LEG	Q1	A...E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE 24	12050.FM.096A B1	REVISION..02 RELIEF REQUEST SI.NOTE.04
2.SI.085	SI	03.00" CHECK VALVE ***** HIGH HEAD SI FROM CHARGING PUMPS TO RCS COLD LEGS-INSIDE CONT ISOLATION CHECK VALVE	Q1	A.C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE C9	12050.FM.096B J1	REVISION..02 RELIEF REQUEST SI.NOTE.09
2.SI.090	SI	02.00" CHECK VALVE ***** HIGH HEAD SI TO 'A' RCS COLD LEG-INSIDE MISSILE BARRIER CHECK VALVE	Q1	..C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.096B D1	REVISION..02 RELIEF REQUEST SI.NOTE.12
2.SI.091	SI	06.00" CHECK VALVE ***** LOW HEAD SI TO 'A' RCS COLD LEG-INSIDE CONT ISOLATION CHECK VALVE	Q1	A.C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE C9	12050.FM.096B C2	REVISION..02 RELIEF REQUEST SI.NOTE.09
2.SI.092	SI	06.00" CHECK VALVE ***** 'A' RCS COLD LEG SI ADMISSION CHECK VALVE	Q1	A.C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE 24	12050.FM.096B A1	REVISION..02 RELIEF REQUEST SI.NOTE.11
2.SI.093	SI	03.00" CHECK VALVE ***** HIGH HEAD SI FROM CHARGING PUMPS TO RCS COLD LEGS-INSIDE CONT ISOLATION CHECK VALVE	Q1	A.C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE C9	12050.FM.096B J1	REVISION..02 RELIEF REQUEST SI.NOTE.09
2.SI.098	SI	02.00" CHECK VALVE ***** HIGH HEAD SI TO 'B' RCS COLD LEG-INSIDE MISSILE BARRIER CHECK VALVE	Q1	..C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.096B C1	REVISION..02 RELIEF REQUEST SI.NOTE.12
2.SI.099	SI	06.00" CHECK VALVE ***** LOW HEAD SI TO 'B' RCS COLD LEG-INSIDE CONT ISOLATION CHECK VALVE	Q1	A.C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE C9	12050.FM.096B C2	REVISION..02 RELIEF REQUEST SI.NOTE.09

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VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI 1WV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
2.SI.100	SI	06.00" CHECK VALVE ***** 'B' RCS COLD LEG SI ADMISSION CHECK VALVE	Q1	A.C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE 24	12050.FM.096B A1	REVISION..02 RELIEF REQUEST SI.NOTE.11
2.SI.104	SI	02.00" CHECK VALVE ***** HIGH HEAD SI TO 'C' RCS COLD LEG-INSIDE MISSILE BARRIER CHECK VALVE	Q1	..C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.096B C2	REVISION..02 RELIEF REQUEST SI.NOTE.12
2.SI.105	SI	06.00" CHECK VALVE ***** LOW HEAD SI TO 'C' RCS COLD LEG-INSIDE CONT ISOLATION CHECK VALVE	Q1	A.C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE C9	12050.FM.096B C2	REVISION..02 RELIEF REQUEST SI.NOTE.09
2.SI.106	SI	06.00" CHECK VALVE ***** 'C' RCS COLD LEG SI ADMISSION CHECK VALVE	Q1	A.C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE 24	12050.FM.096B A2	REVISION..02 RELIEF REQUEST SI.NOTE.11
2.SI.107	SI	03.00" CHECK VALVE ***** HIGH HEAD SI FROM CHARGING PUMPS TO RCS HOT LEGS-INSIDE CONT ISOLATION CHECK VALVE	Q1	A.C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE C9	12050.FM.096B J2	REVISION..02 RELIEF REQUEST SI.NOTE.09
2.SI.112	SI	06.00" CHECK VALVE ***** LOW HEAD SAFETY INJECTION SUPPLY CHECK VALVE TO 'C' RCS HOT LEG	Q1	..C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.096B D3	REVISION..02 RELIEF REQUEST SI.NOTE.12
2.SI.113	SI	06.00" CHECK VALVE ***** 'B' RCS HOT LEG SI ADMISSION CHECK VALVE	Q1	..C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.096B A2	REVISION..02 RELIEF REQUEST SI.NOTE.12
2.SI.117	SI	06.00" CHECK VALVE ***** LOW HEAD SAFETY INJECTION SUPPLY CHECK VALVE TO 'B' RCS HOT LEG	Q1	..C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.096B D3	REVISION..02 RELIEF REQUEST SI.NOTE.12
2.SI.118	SI	06.00" CHECK VALVE ***** 'A' RCS HOT LEG SI ADMISSION CHECK VALVE	Q1	..C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.096B A3	REVISION..02 RELIEF REQUEST SI.NOTE.12

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VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI 1WV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
2.SI.119	SI	03.00" CHECK VALVE ***** HIGH HEAD SI FROM CHARGING PUMPS TO RCS HOT LEGS-INSIDE CONT ISOLATION CHECK VALVE	Q1	A.C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE C9	12050.FM.096B J3	REVISION..02 RELIEF REQUEST SI.NOTE.09
2.SI.124	SI	06.00" CHECK VALVE ***** LOW HEAD SAFETY INJECTION SUPPLY CHECK VALVE TO 'A' RCS HOT LEG	Q1	..C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.096B C3	REVISION..02 RELIEF REQUEST SI.NOTE.12
2.SI.125	SI	06.00" CHECK VALVE ***** 'C' RCS HOT LEG SI ADMISSION CHECK VALVE	Q1	..C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.096B A2	REVISION..02 RELIEF REQUEST SI.NOTE.12
2.SI.126	SI	06.00" CHECK VALVE ***** LOW HEAD SI FROM 'A' LHSI PUMP TO RCS HOT LEGS-INSIDE CONT ISOLATION CHECK VALVE	Q1	A.C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE C9	12050.FM.096B J3	REVISION..02 RELIEF REQUEST SI.NOTE.09
2.SI.128	SI	06.00" CHECK VALVE ***** LOW HEAD SI FROM 'B' LHSI PUMP TO RCS HOT LEGS-INSIDE CONT ISOLATION CHECK VALVE	Q1	A.C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE C9	12050.FM.096B J3	REVISION..02 RELIEF REQUEST SI.NOTE.09
2.SI.132	SI	01.00" CHECK VALVE ***** NITROGEN SUPPLY TO ACCUMULATORS-INSIDE CONTAIN ISOLATION CHECK VALVE	Q2	A.C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE 24	12050.FM.096B J4	REVISION..00 RELIEF REQUEST SI.NOTE.08
2.SI.136	SI	01.00" CHECK VALVE ***** ACCUMULATOR MAKE UP LINE- INSIDE CONTAINMENT ISOLATION CHECK VALVE	Q2	A.C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE 24	12050.FM.096B J4	REVISION..00 RELIEF REQUEST SI.NOTE.08
2.SI.151	SI	12.00" CHECK VALVE ***** 'A' ACCUMULATOR DISCHARGE CHECK VALVE	Q1	A.C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE C9	12050.FM.096B C5	REVISION..02 RELIEF REQUEST SI.NOTE.10
2.SI.153	SI	12.00" CHECK VALVE ***** 'A' ACCUMULATOR COLD LEG ADMISSION CHECK VALVE	Q1	A.C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE C9	12050.FM.096B A5	REVISION..02 RELIEF REQUEST SI.NOTE.10

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VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
2.SI.168	SI	12.00" CHECK VALVE ***** 'B' ACCUMULATOR DISCHARGE CHECK VALVE	Q1	A.C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE C9	12050.FM.096B G7	REVISION..02 RELIEF REQUEST SI.NOTE.10
2.SI.170	SI	12.00" CHECK VALVE ***** 'B' ACCUMULATOR COLD LEG ADMISSION CHECK VALVE	Q1	A.C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE C9	12050.FM.096B A7	REVISION..02 RELIEF REQUEST SI.NOTE.10
2.SI.185	SI	12.00" CHECK VALVE ***** 'C' ACCUMULATOR DISCHARGE CHECK VALVE	Q1	A.C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE C9	12050.FM.096B C8	REVISION..02 RELIEF REQUEST SI.NOTE.10
2.SI.187	SI	12.00" CHECK VALVE ***** 'C' ACCUMULATOR COLD LEG ADMISSION CHECK VALVE	Q1	A.C..	EXERCISE C9 FAILSAFE .. REMOT IND .. LEAK RATE C9	12050.FM.096B A8	REVISION..02 RELIEF REQUEST SI.NOTE.10
TV.SS.200A	SS	00.375" AO GLCBE ***** PRESSURIZER LIQUID SPACE SAMPLE LINE-INSIDE CONTAINMENT ISOLATION VALVE	Q1	A....	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE 24	12050.FM.089B E2	REVISION..00
TV.SS.200B	SS	00.375" AO GLOBE ***** PRESSURIZER LIQUID SPACE SAMPLE LINE-OUTSIDE CONTAINMEN ISOLATION VALVE	Q1	A....	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	12050.FM.089B F2	REVISION..00
TV.SS.201A	SS	00.375" AO GLOBE ***** PRESSURIZER VAPOR SPACE SAMPLE LINE-INSIDE CONTAINMENT ISOLATION VALVE	Q1	A....	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE 24	12050.FM.089B E2	REVISION..00
TV.SS.201B	SS	00.375" AO GLOBE ***** PRESSURIZER VAPOR SPACE SAMPLE LINE-OUTSIDE CONTAINMEN ISOLATION VALVE	Q1	A....	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	12050.FM.089B F2	REVISION..00
TV.SS.202A	SS	00.375" AO GLOBE ***** REACTOR COOLANT COLD LEGS SAMPLE HEADER-INSIDE CONTAIN ISOLATION VALVE	Q1	A....	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE 24	12050.FM.089B E3	REVISION..00

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
TV.SS.202B	SS	00.375" AO GLOBE ***** REACTOR COOLANT COLD LEGS SAMPLE HEADER-OUTSIDE CONTAIN ISOLATION VALVE	Q1	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	12050.FM.089B F3	REVISION..00
TV.SS.203A	SS	00.375" AO GLOBE ***** RHR SAMPLE HEADER-INSIDE CONTAINMENT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE 24	12050.FM.089B E1	REVISION..00
TV.SS.203B	SS	00.375" AO GLOBE ***** RHR SAMPLE HEADER-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	12050.FM.089B F1	REVISION..00
TV.SS.204A	SS	00.375" AO GLOBE ***** PRESSURIZER RELIEF TANK GAS SPACE SAMPLE LINE-INSIDE CONTAINMENT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE 24	12050.FM.089B E4	REVISION..00
TV.SS.204B	SS	00.375" AO GLOBE ***** PRESSURIZER RELIEF TANK GAS SPACE SAMPLE LINE-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	12050.FM.089B F4	REVISION..00
TV.SS.206A	SS	00.375" AO GLOBE ***** REACTOR COOLANT HOT LEGS SAMPLE HEADER-INSIDE CONTAIN ISOLATION VALVE	Q1	A...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE 24	12050.FM.089B E2	REVISION..00
TV.SS.206B	SS	00.375" AO GLOBE ***** REACTOR COOLANT HOT LEGS SAMPLE HEADER-OUTSIDE CONTAIN ISOLATION VALVE	Q1	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	12050.FM.089B F3	REVISION..00
TV.SS.207A	SS	00.375" AO GLOBE ***** 'A' RHR LOOP SAMPLE LINE ISOLATION VALVE-INSIDE CONTAIN	Q2	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE ..	12050.FM.089B C1	REVISION..00
TV.SS.207B	SS	00.375" AO GLOBE ***** 'B' RHR LOOP SAMPLE LINE ISOLATION VALVE-INSIDE CONTAIN	Q2	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE ..	12050.FM.089B C1	REVISION..00

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VALVE MARK NUMBER	SYS1	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
TV.SS.208A	SS	00.375" AO GLOBE ***** 'A' REACTOR COOLANT HOT LEG SAMPLE LINE ISOLATION VALVE- INSIDE CONTAINMENT TRIP VALVE	Q1	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE ..	12050.FM.089B C2	REVISION..00
TV.SS.208B	SS	00.375" AO GLOBE ***** 'B' REACTOR COOLANT HOT LEG SAMPLE LINE ISOLATION VALVE- INSIDE CONTAINMENT TRIP VALVE	Q1	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE ..	12050.FM.089B C2	REVISION..00
TV.SS.208C	SS	00.375" AO GLOBE ***** 'C' REACTOR COOLANT HOT LEG SAMPLE LINE ISOLATION VALVE- INSIDE CONTAINMENT TRIP VALVE	Q1	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE ..	12050.FM.089B C3	REVISION..00
TV.SS.208D	SS	00.375" AO GLOBE ***** 'B' REACTOR COOLANT HOT LEG SAMPLE LINE ISOLATION VALVE- INSIDE CONTAINMENT TRIP VALVE	Q1	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE ..	12050.FM.089B C3	REVISION..00
TV.SS.209A	SS	00.375" AO GLOBE ***** 'A' REACTOR COOLANT COLD LEG SAMPLE LINE ISOLATION VALVE- INSIDE CONTAINMENT TRIP VALVE	Q1	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE ..	12050.FM.089B C3	REVISION..00
TV.SS.209B	SS	00.375" AO GLOBE ***** 'B' REACTOR COOLANT COLD LEG SAMPLE LINE ISOLATION VALVE- INSIDE CONTAINMENT TRIP VALVE	Q1	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE ..	12050.FM.089B C4	REVISION..00
TV.SS.209C	SS	00.375" AO GLOBE ***** 'C' REACTOR COOLANT COLD LEG SAMPLE LINE ISOLATION VALVE- INSIDE CONTAINMENT TRIP VALVE	Q1	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE ..	12050.FM.089B C4	REVISION..00
TV.SS.211A	SS	01.00" AO GLOBE ***** 'B' STEAM GENERATOR SAMPLE LINE ISOLATION VALVE- INSIDE CONTAINMENT TRIP VALVE	Q3	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE ..	12050.FM.089B C5	REVISION..00
TV.SS.211B	SS	01.00" AO GLOBE ***** 'C' STEAM GENERATOR SAMPLE LINE ISOLATION VALVE- INSIDE CONTAINMENT TRIP VALVE	Q3	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE ..	12050.FM.089B B5	REVISION..00

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
TV.SS.211C	SS	01.00" AO GLOBE ***** 'A' STEAM GENERATOR SAMPLE LINE ISOLATION VALVE-INSIDE CONTAINMENT TRIP VALVE	Q3	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE ..	12050.FM.089B A5	REVISION..00
TV.SS.212A	SS	00.375" AO GLOBE ***** STEAM GENERATORS SAMPLE HEADER INSIDE CONTAINMENT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE 24	12050.FM.089B E5	REVISION..00
TV.SS.212B	SS	00.375" AO GLOBE ***** STEAM GENERATORS SAMPLE HEADER OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	12050.FM.089B F5	REVISION..00
TV.SV.202.1	SV	06.00" AO GLOBE ***** CONDENSER AIR REMOVAL DISCHARG TO CONTAINMENT-OUTSIDE CONTAIN ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	12050.FM.072A L2	REVISION..00
TV.SV.202.2	SV	06.00" AO GLOBE ***** CONDENSER AIR REMOVAL DISCHARG TO VENTILATION VENT	NQ	.B...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE ..	12050.FM.072A L2	REVISION..01
TV.SV.203	SV	06.00" AO GLOBE ***** CONDENSER AIR REMOVAL DISCHARG TO CONTAINMENT-OUTSIDE CONTAIN ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	12050.FM.072A L1	REVISION..01
MOV.SW.200A	SW	24.00" MO BFLY ***** SERVICE WATER TO SPRAY ARRAYS STOP VALVE	Q3	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.078A D8	REVISION..00
MOV.SW.200B	SW	24.00" MO BFLY ***** SERVICE WATER TO SPRAY ARRAYS STOP VALVE	Q3	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.078A G9	REVISION..00
MOV.SW.201A	SW	24.00" MO BFLY ***** 'A' SERVICE WATR HEADER SUPPLY ISOLATION TO RECIRC SPRAY HEAT EXCHANGERS	Q3	.B...	EXERCISE 24 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.078A C1	REVISION..00 RELIEF REQUEST SW.NOTE.01

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MOV.SW.201B	SW	24.00" MO BFLY ***** 'A' SERVICE WATR HEADER SUPPLY ISOLATION TO RECIRC SPRAY HEAT EXCHANGERS	Q3	.B...	EXERCISE 24 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.078A C1	REVISION..00 RELIEF REQUEST SW.NOTE.01
MOV.SW.201C	SW	24.00" MO BFLY ***** 'B' SERVICE WATR HEADER SUPPLY ISOLATION TO RECIRC SPRAY HEAT EXCHANGERS	Q3	.B...	EXERCISE 24 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.078A C1	REVISION..00 RELIEF REQUEST SW.NOTE.01
MOV.SW.201D	SW	24.00" MO BFLY ***** 'B' SERVICE WATR HEADER SUPPLY ISOLATION TO RECIRC SPRAY HEAT EXCHANGERS	Q3	.B...	EXERCISE 24 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.078A C1	REVISION..00 RELIEF REQUEST SW.NOTE.01
MOV.SW.202A	SW	24.00" MO BFLY ***** SERVICE WATER SUPPLY CROSS CONNECTS TO RECIRC SPRAY HEAT EXCHANGERS	Q3	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.078B A3	REVISION..01
MOV.SW.202B	SW	24.00" MO BFLY ***** SERVICE WATER SUPPLY CROSS CONNECTS TO RECIRC SPRAY HEAT EXCHANGERS	Q3	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.078B A3	REVISION..01
MOV.SW.203A	SW	16.00" MO BFLY ***** SERVICE WATER SUPPLY TO 'A' RECIRC SPRAY HEAT EXCHANGER- OUTSIDE CONT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE 24	11715.FM.078B B4	REVISION..01
MOV.SW.203B	SW	16.00" MO BFLY ***** SERVICE WATER SUPPLY TO 'B' RECIRC SPRAY HEAT EXCHANGER- OUTSIDE CONT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE 24	11715.FM.078B C4	REVISION..01
MOV.SW.203C	SW	16.00" MO BFLY ***** SERVICE WATER SUPPLY TO 'C' RECIRC SPRAY HEAT EXCHANGER- OUTSIDE CONT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE 24	11715.FM.078B D4	REVISION..01
MOV.SW.203D	SW	16.00" MO BFLY ***** SERVICE WATER SUPPLY TO 'D' RECIRC SPRAY HEAT EXCHANGER- OUTSIDE CONT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE 24	11715.FM.078B E4	REVISION..01

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI 1WV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
MOV. SW. 204A	SW	16.00" MO BFLY ***** SERVICE WATER RETURN FROM 'A' RECIRC SPRAY HEAT EXCHANGER- OUTSIDE CONT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE 24	11715.FM.078B B5	REVISION..01
MOV. SW. 204B	SW	16.00" MO BFLY ***** SERVICE WATER RETURN FROM 'B' RECIRC SPRAY HEAT EXCHANGER- OUTSIDE CONT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE 24	11715.FM.078B C5	REVISION..01
MOV. SW. 204C	SW	16.00" MO BFLY ***** SERVICE WATER RETURN FROM 'C' RECIRC SPRAY HEAT EXCHANGER- OUTSIDE CONT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE 24	11715.FM.078B D5	REVISION..01
MOV. SW. 204D	SW	16.00" MO BFLY ***** SERVICE WATER RETURN FROM 'D' RECIRC SPRAY HEAT EXCHANGER- OUTSIDE CONT ISOLATION VALVE	Q2	A...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE 24	11715.FM.078B E5	REVISION..01
MOV. SW. 205A	SW	24.00" MO BFLY ***** 'B' SERVICE WATR HEADER RETURN ISOLATION FROM RECIRC SPRAY HEAT EXCHANGERS	Q3	.B...	EXERCISE 24 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.078A D1	REVISION..00 RELIEF REQUEST SW.NOTE.01
MOV. SW. 205B	SW	24.00" MO BFLY ***** 'B' SERVICE WATR HEADER RETURN ISOLATION FROM RECIRC SPRAY HEAT EXCHANGERS	Q3	.B...	EXERCISE 24 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.078A D1	REVISION..00 RELIEF REQUEST SW.NOTE.01
MOV. SW. 205C	SW	24.00" MO BFLY ***** 'A' SERVICE WATR HEADER RETURN ISOLATION FROM RECIRC SPRAY HEAT EXCHANGERS	Q3	.B...	EXERCISE 24 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.078A D1	REVISION..00 RELIEF REQUEST SW.NOTE.01
MOV. SW. 205D	SW	24.00" MO BFLY ***** 'A' SERVICE WATR HEADER RETURN ISOLATION FROM RECIRC SPRAY HEAT EXCHANGERS	Q3	.B...	EXERCISE 24 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.078A D1	REVISION..00 RELIEF REQUEST SW.NOTE.01
MOV. SW. 206A	SW	24.00" MO BFLY ***** SERVICE WATER RETURN CROSS CONNECTS FROM RECIRC SPRAY HEAT EXCHANGERS	Q3	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.078B E6	REVISION..01

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
MOV.SW.206B	SW	24.00" MO BFLY ***** SERVICE WATER RETURN CROSS CONNECTS FROM RECIRC SPRAY HEAT EXCHANGERS	Q3	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.078B E6	REVISION..01
MOV.SW.208A	SW	24.00" MO BFLY ***** 'A' SERVICE WATR HEADER SUPPLY ISOLATION TO COMPONENT COOLING HEAT EXCHANGERS	Q3	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.078C E7	REVISION..00
MOV.SW.208B	SW	24.00" MO BFLY ***** 'A' SERVICE WATR HEADER SUPPLY ISOLATION TO COMPONENT COOLING HEAT EXCHANGERS	Q3	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.078C E7	REVISION..00
MOV.SW.213A	SW	10.00" MO BFLY ***** SERVICE WATER RETURN ISOLATION FROM FUEL PIT COOLERS	Q3	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.078A G3	REVISION..01
MOV.SW.213B	SW	10.00" MO BFLY ***** SERVICE WATER SUPPLY ISOLATION TO FUEL PIT COOLERS	Q3	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.078A G3	REVISION..01
MOV.SW.215A	SW	24.00" MO BFLY ***** 'A' SERVICE WATR HEADER SUPPLY ISOLATION VALVE-FROM AUXILIARY SERVICE WATER PUMPS	Q3	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.078A I4	REVISION..00
MOV.SW.215B	SW	24.00" MO BFLY ***** 'B' SERVICE WATR HEADER SUPPLY ISOLATION VALVE-FROM AUXILIARY SERVICE WATER PUMPS	Q3	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.078A I4	REVISION..00
MOV.SW.217	SW	24.00" MO BFLY ***** UNIT 1 AUXILIARY SERVICE WATER PUMP DISCHARGE ISOLATION VALVE	Q3	.B...	EXERCISE 03 FAILSAFE .. REMOT IND NR LEAK RATE ..	11715.FM.078A I4	REVISION..00
RV.SW.200A	SW	00.75" RELIEF VALVE ***** 'A' RECIRC SPRAY HEAT EXCHANG SERVICE WATER RELIEF VALVE-RV DISCHARGE TO CONTAINMENT SUMP	Q2	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.078B B4	REVISION..00

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
RV.SW.200B	SW	00.75" RELIEF VALVE ***** 'B' RECIRC SPRAY HEAT EXCHANG SERVICE WATER RELIEF VALVE-RV DISCHARGE TO CONTAINMENT SUMP	Q2	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.078B C4	REVISION..00
RV.SW.200C	SW	00.75" RELIEF VALVE ***** 'C' RECIRC SPRAY HEAT EXCHANG SERVICE WATER RELIEF VALVE-RV DISCHARGE TO CONTAINMENT SUMP	Q2	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.078B C4	REVISION..00
RV.SW.200D	SW	00.75" RELIEF VALVE ***** 'D' RECIRC SPRAY HEAT EXCHANG SERVICE WATER RELIEF VALVE-RV DISCHARGE TO CONTAINMENT SUMP	Q2	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.078B D3	REVISION..00
RV.SW.201A	SW	00.75" RELIEF VALVE ***** UNIT 1 'A' COMPONENT COOLING HEAT EXCHANGER SERVICE WATER RELIEF VALVE	Q3	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.078C A3	REVISION..00
RV.SW.201B	SW	00.75" RELIEF VALVE ***** UNIT 1 'B' COMPONENT COOLING HEAT EXCHANGER SERVICE WATER RELIEF VALVE	Q3	..C..	EXERCISE 60 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.078C B3	REVISION..00
2.SW.003	SW	20.00" CHECK VALVE ***** UNIT 1 'A' SERVICE WATER PUMP DISCHARGE CHECK VALVE	Q3	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.078A D4	REVISION..01
2.SW.010	SW	20.00" CHECK VALVE ***** UNIT 1 'B' SERVICE WATER PUMP DISCHARGE CHECK VALVE	Q3	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.078A H4	REVISION..01
2.SW.024	SW	24.00" CHECK VALVE ***** UNIT 1 AUXILIARY SERVICE WATER PUMP DISCHARGE CHECK VALVE	Q3	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.078A I4	REVISION..00
2.SW.068	SW	24.00" CHECK VALVE ***** 'A' SERVICE WATR HEADER SUPPLY CHECK VALVE TO RECIRC SPRAY HX UPSTREAM OF CROSS CONNECT	Q3	..C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.078B A3	REVISION..00 RELIEF REQUEST SW.NOTE.01

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
2.SW.070	SW	24.00" CHECK VALVE ***** 'B' SERVICE WATR HEADER SUPPLY CHECK VALVE TO RECIRC SPRAY HX UPSTREAM OF CROSS CONNECT	Q3	..C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.078B A3	REVISION..00 RELIEF REQUEST SW.NOTE.01
2.SW.074	SW	16.00" CHECK VALVE ***** 'D' RECIRC SPRAY HEAT EXCHANG SERVICE WATER SUPPLY CHECK VALVE	Q3	..C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.078B B4	REVISION..00 RELIEF REQUEST SW.NOTE.01
2.SW.084	SW	16.00" CHECK VALVE ***** 'C' RECIRC SPRAY HEAT EXCHANG SERVICE WATER SUPPLY CHECK VALVE	Q3	..C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.078B C4	REVISION..00 RELIEF REQUEST SW.NOTE.01
2.SW.094	SW	16.00" CHECK VALVE ***** 'B' RECIRC SPRAY HEAT EXCHANG SERVICE WATER SUPPLY CHECK VALVE	Q2	..C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.078B D4	REVISION..00 RELIEF REQUEST SW.NOTE.01
2.SW.104	SW	16.00" CHECK VALVE ***** 'A' RECIRC SPRAY HEAT EXCHANG SERVICE WATER SUPPLY CHECK VALVE	Q2	..C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE ..	11715.FM.078B D4	REVISION..00 RELIEF REQUEST SW.NOTE.01
TV.VG.200A	VG	01.50" AO GLOBE ***** VENT LINE ISOL FROM PRIMARY DRAINS TRANSFER TANK TO GAS STRIPPERS-OUTSIDE CONT ISOL	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND NR LEAK RATE 24	12050.FM.090B H2	REVISION..00
TV.VG.200B	VG	01.50" AO GLOBE ***** VENT LINE ISOL FROM PRIMARY DRAINS TRANSFER TANK TO GAS STRIPPERS-INSIDE CONT ISOL VLV	Q2	A...	EXERCISE 03 FAILSAFE 03 REMOT IND 24 LEAK RATE 24	12050.FM.090A L2	REVISION..00
2.VP.024	VP	06.00" CHECK VALVE ***** CONDENSER AIR REMOVAL DISCHARG TO CONTAINMENT-INSIDE CONTAIN ISOLATION CHECK VALVE	Q2	A.C..	EXERCISE 24 FAILSAFE .. REMOT IND .. LEAK RATE 24	12050.FM.072A L1	REVISION..01 RELIEF REQUEST VP.NOTE.01
2.WT.041	WT	00.75" CHECK VALVE ***** 'A' STEAM GENERATOR CHEMICAL FEED SUPPLY CHECK VALVE	Q2	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.102A B3	REVISION..01

VALVE MARK NUMBER	SYST	VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
2.WT.053	WT	00.75" CHECK VALVE ***** 'B' STEAM GENERATOR CHEMICAL FEED SUPPLY CHECK VALVE	Q2	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.102A B5	REVISION..01
2.WT.069	WT	00.75" CHECK VALVE ***** 'C' STEAM GENERATOR CHEMICAL FEED SUPPLY CHECK VALVE	Q2	..C..	EXERCISE 03 FAILSAFE .. REMOT IND .. LEAK RATE ..	12050.FM.102A B6	REVISION..01
2.WT.351	WT	00.75" MANUAL GLOBE ***** 'A' STEAM GENERATOR CHEMICAL FEED SUPPLY ISOLATION VALVE- INSIDE CONT ISOLATION VALVE	Q2	.B..E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE NR	12050.FM.102A A3	REVISION..00
2.WT.354	WT	00.75" MANUAL GLOBE ***** 'B' STEAM GENERATOR CHEMICAL FEED SUPPLY ISOLATION VALVE- INSIDE CONT ISOLATION VALVE	Q2	.B..E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE NR	12050.FM.102A A5	REVISION..00
2.WT.357	WT	00.75" MANUAL GLOBE ***** 'C' STEAM GENERATOR CHEMICAL FEED SUPPLY ISOLATION VALVE- INSIDE CONT ISOLATION VALVE	Q2	.B..E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE NR	12050.FM.102A A6	REVISION..00
2.WT.437	WT	03.00" MANUAL GATE ***** WET LAY UP RETURN FROM 'A' STEAM GENERATOR-INSIDE CONTAIN ISOLATION VALVE	Q2	A...E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE 24	12050.FM.102B E2	REVISION..00
2.WT.438	WT	02.00" MANUAL GATE ***** WET LAY UP RETURN FROM 'B' STEAM GENERATOR-INSIDE CONTAIN ISOLATION VALVE	Q2	A...E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE 24	12050.FM.102B E3	REVISION..00
2.WT.439	WT	02.00" MANUAL GATE ***** WET LAY UP RETURN FROM 'C' STEAM GENERATOR-INSIDE CONTAIN ISOLATION VALVE	Q2	A...E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE 24	12050.FM.102B E5	REVISION..00
2.WT.446	WT	02.00" MANUAL GATE ***** WET LAY UP RETURN FROM 'A' STEAM GENERATOR-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE 24	12050.FM.102B F2	REVISION..00

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ASME XI-IWV VALVE PROGRAM

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VALVE MARK NUMBER	SYST	***** VALVE SIZE/TYPE ***** VALVE FUNCTION	ASME CLASS	ASME XI IWV CAT	TEST FREQUENCY *MONTHS*	P&ID NUMBER/LOCATION	COMMENTS
2.WT.447	WT	02.00" MANUAL GATE ***** WET LAY UP RETURN FROM 'B' STEAM GENERATOR-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE 24	12050.FM.102B F3	REVISION..00
2.WT.448	WT	02.00" MANUAL GATE ***** WET LAY UP RETURN FROM 'C' STEAM GENERATOR-OUTSIDE CONTAINMENT ISOLATION VALVE	Q2	A...E	EXERCISE .. FAILSAFE .. REMOT IND .. LEAK RATE 24	12050.FM.102B F5	REVISION..00

470 INPUT RECORDS
470 JOB 1