CONTROLLED

# NIAGARA MOHAWK POWER CORPORATION

# NINE MILE POINT UNIT 2
# TEN YEAR
# INSERVICE INSPECTION
# PROGRAM PLAN

## SECTION III
## PUMP AND VALVE INSERVICE TESTING
## (IWP, IWV)

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# 1.0 INTRODUCTION

The Pump and Valve Inservice Testing Program for the Nine Mile Point Nuclear Station Unit #2 (NMP2) details the technical basis and provides the overall description of the activities planned to fulfill the Inservice Testing (IST) requirements for safety related pumps and valves as defined in the American Society of Mechanical Engineers, Boiler and Pressure Vessel Code, Section XI, "Rules for Inservice Inspection of Nuclear Power Plant Components". The IST program includes the Class 1, 2 and 3 pumps and valves required to be tested in accordance with Section XI Subsections IWP and IWV.

The IST program document is divided into the Program Text and the Appendices. The Program Text defines the basis for the program. It lists and explains the specific exemptions and selection criteria applied to Class 1, 2 and 3 pumps and valves, thus defining the scope and extent of the IST testing requirements. The Appendices include the Cold Shutdown Test Justifications, Pump Relief Requests, Valve Relief Requests, Pump Tables, and Valve Tables.

## 1.1 REGULATORY REQUIREMENTS

### 1.1.1 Code of Federal Regulations

Title 10, Part 50.55a of the Code of Federal Regulations, Paragraph (g)(4) requires that 10-year IST programs comply with the latest edition and addenda of Section XI incorporated by reference in Paragraph (b)(2) on the date 12 months prior to the date of issuance of the operating license. The operating license for NMP2 was issued on October 31, 1986. The use of any later edition and addenda of Section XI is allowed if it has been incorporated in Paragraph (b)(2).

### 1.1.2 Applicable Code

The first 10-year pump and valve IST Program complies with Section XI of the ASME Boiler and Pressure Vessel Code, 1983 Edition through Summer of 1983 addenda (1983S83) as required by 10CFR50.55a(b)(2). All references to subsections IWP and IWV of Section XI in this document correspond to the

aforementioned Code Edition with the exception of the portions addressed in the following paragraph.

### 1.1.3 Adoption of Code CASE N-415

The valve test program adopts Code Case N-415, which permits the use of ANSI/ASME OM-1, 1981 as alternative requirements for replacement, repair and maintenance, inservice tests and test frequency for safety valves, relief valves (including vacuum relief valves) and rupture disks.

## 1.2 ADDITIONAL REFERENCE DOCUMENTS

### 1.2.1 FSAR

The Final Safety Analysis Report for NMP2 is used to determine which safety related pumps and valves are within the scope of paragraph 2.1 and to incorporate any additional testing requirements that may be specified.

### 1.2.2 Technical Specification

The NMP2 Technical Specification is used in conjunction with the FSAR to assist in determining the pumps and valves which are in scope. This document is also reviewed and compared to the pump and valve test program to determine areas of conflict between the two.

### 1.2.3 Operating Procedures

The Unit 2 Operating Procedures were used to determine system operating modes and alignments under normal and emergency conditions.

### 1.2.4 NRC Letters

- "NRC Staff Guidance for Preparing Pump and Valve Testing Program Descriptions and Associated Relief Requests Pursuant to 10CFR50.55a(g)", January 1978 is used to provide guidance for the

establishment of selection philosophy, the program submittal format, and the development of relief requests.

- o "NRC Staff Guidance for Complying with Certain Provisions of 10CFR50.55a(g) Inservice Inspection Requirements", November 1976, is used as a reference to provide NRC staff guidelines for excluding exercising tests of certain valves during plant operation.

### 1.2.5 Draft Regulatory Guide

Division I Draft Regulatory Guide and Value Impact Statement (Draft 2), "Identification of Valves for Inclusion in Inservice Testing Programs" is used to provide further insight to NRC positions on the contents of the valve program.

### 1.2.6 NRC I.E. Bulletin

I.E. Bulletin Number 83-03: "Check Valve Failures in Raw Water Cooling Systems of Diesel Generators" provides recommendations on test requirements for check valves.

### 1.2.7 NRC I.E. Notice

I.E. Notice Number 84-74: "Isolation of Reactor Coolant System from Low-Pressure Systems Outside Containment" is used for a reference for providing justification for relief from exercising certain reactor coolant pressure boundary valves.

### 1.2.8 ASME/ANSI OM Documents

- o OM-1 1981 is used for relief/safety valve and rupture disc testing per Code Case N-415.

- o Draft 8 of OM-6 for pump testing and OM-10 for valve testing are used for reference when determining testing requirements.

## 2.0 INSERVICE TESTING BOUNDARIES

### 2.1 SCOPE

#### 2.1.1 Pump IST Program

The scope of the pump IST program includes all safety related centrifugal and positive displacement type pumps that are provided with an emergency power source, that are not exempt by paragraph 2.2.1, and which function to:

- o Mitigate the consequences of an accident or,
- o Shutdown the reactor to a cold shutdown condition.

These safety related pumps are found within the Class 1, 2, and 3 boundaries. The pumps within this scope are listed in Appendix D.

#### 2.1.2 Valve IST Program

The scope of the valve IST program includes all safety related valves that are not exempt by paragraph 2.2.2 and which function to:

- o Mitigate the consequences of an accident or,
- o Shutdown the reactor to a cold shutdown condition.

These safety related valves are found within the Class 1, 2, and 3 boundaries. The valves within this scope are listed in Appendix E.

## 2.2 EXEMPTIONS

### 2.2.1 Pump Exclusions Identified in IWP-1200

Note: The term "Exclusions" is used in IWP-1200, but is considered synonymous with "Exemptions".

a. Drivers of pumps with the exception when the driver and pump form an integral unit and the pump bearings are in the driver.

b. Pumps supplied with emergency power solely for operating convenience.

### 2.2.2 Valve Exemptions Identified in IWV-1200

a. Maintenance Valves - Valves which are used only to isolate components to perform maintenance, including relief valves which provide overpressure protection for a component that is isolated only for maintenance.

b. Operating Convenience Valves - Valves used only for operating convenience, such as manual vent, drain, instrument, and test valves.

c. System Control Valves - Valves such as pressure regulating, flow control, and manual throttle valves.

d. Valves in External Control and Protection Systems - Systems responsible for sensing plant conditions and providing signals for valve operation.

## 2.3 P&ID's

A listing of all the P&ID's identifying safety related pumps and valves is included in Table 2.3-1.

TABLE 2.3-1

PUMP AND VALVE (IST) PROGRAM P&ID'S

| P&ID NUMBER | SYSTEM | | REV. |
|---|---|---|---|
| 2-A,B,C,D,E | Symbols | | 1 |
| 1-A,B,C,D,E,F,J | Main Steam | (MSS) | 3 |
| | Mainsteam Safety Valves, Vents, and Drains | (SVV) | |
| 6-B | Feedwater | (FWS) | 3 |
| 11-A,B,C,D,E,F,G,H,J,L,P,Q | Service Water | (SWP) | 3 |
| 13-A,B,C,D,E | React. Bldg. Closed Loop Cooling Water | (CCP) | 3 |
| 19-D,E,F,G,J,L,M | Instrument Air | (IAS) | 3 |
| | Service Air | (SAS) | 3 |
| 20-E | Breathing Air | (AAS) | 3 |
| 28-A,B,C | Reactor Vessel Instrument | (ISC) | 3 |
| 29-A,B,C | Reactor Recirc. System | (RCS) | 3 |
| 30-B,C | CRD Hydraulic System | (RDS) | 3 |
| 31-A,B,C,D,E,F,G | Residual Heat Removal System | (RHS) | 3 |
| 32-A | Low-Pressure Core Spray | (CSL) | 3 |
| 33-A,B | High-Pressure Core Spray | (CSH) | 3 |
| 35-A,B | Reactor Core Isolation Cooling | (ICS) | 3 |
| C,D | Reactor Core Isolation Cooling | (ICS) | 2 |
| 36-A | Standby Liquid Control | (SLS) | 3 |
| 37-A,B | Reactor Water Cleanup System | (WCS) | 3 |
| EM-38A | Neutron Monitoring System | (NMS) | 5 |
| 38-A,B,C | Fuel Pool Cooling and Cleanup | (SFC) | 3 |
| 43-G | Fire Protection Water | (FPW) | 3 |
| 53-A,B | Control Bldg. Chilled Water | (HVK) | 3 |
| 61-A,B | Primary Containment Purge and Standby Gas Treatment | (CPS) | 3 |
| 62-A,B | DBA Hydrogen Recombiner | (HCS) | 3 |
| 63-E | Reactor Bldg. Floor Drains | (DFR) | 3 |
| 67-A | Drywell Equipment Drains | (DER) | 3 |
| 81-A | Cont. Leakage Monitoring | (LMS) | 3 |
| 82-A,B | Cont. Atmosphere Monitoring | (CMS) | 3 |
| 104-A, | Diesel Gen. Air Startup | (EGA) | 3 |
| B,C | Standby Diesel Gen. Fuel | (EGF) | 3 |
| 105-B | Nitrogen System | (GSN) | 3 |

## 3.0 PUMP AND VALVE SELECTION

Class 1, 2 and 3 pumps and valves which are within the scope of the Inservice Testing Program, as defined in Section 2.1, and are not exempt per Section 2.2, shall be tested in accordance with the Section XI Code Editions stated in paragraphs 1.1.2 and 1.1.3. Tables listing the pumps and valves, including all applicable testing requirements and frequencies, are contained in Appendices D and E, respectively. Pump and valve table descriptions are found in Section 4.0. When valve testing must be deferred to cold shutdown, Cold Shutdown Test Justifications are provided in Appendix A. When the pump or valve testing requirements of the applicable code cannot be met for any reason, relief requests are provided in Appendix B or C respectively.

## 3.1 CODE REQUIREMENT POSITIONS

This section indicates the positions used to clarify Code requirements as they apply for the formulation and the implementation of this program.

### 3.1.1 Passive Valves

Subsection IWV-2100(b) defines passive valves as "valves which are not required to change position to accomplish a specific function". For this program, passive valves are further defined as those valves where the normal and safety position are the same, and the valve is not required to change position during any normal plant operating condition, provided the valve does not receive an automatic actuation signal.

### 3.1.2 Cold Shutdown Testing

For valves in which testing is deferred to cold shutdown, testing will commence within 48 hours after cold shutdown is achieved and will continue until all tests are complete or the plant is ready to return to power. Any testing not completed at one cold shutdown will be performed during any subsequent cold shutdowns. For planned cold shutdowns in which NMP2 will have sufficient time to complete the testing of all valves identified to be tested at cold shutdown, exception may be taken to the 48 hour start time. As

a minimum, all cold shutdown valves will be tested during each refueling outage, however, valve testing will not be performed at a frequency greater than quarterly for Categories A, B and C valves.

### 3.1.3 Check Valve Full/Partial Stroke

In most cases, full design flow through a check valve requires less than full mechanical valve movement. As used in this program, with the exception of testable check valves, the term full stroke refers to the ability of the valve to pass design flow, and not the full mechanical stroking. Forward flow stroke operability testing will be by any method that verifies the valve is capable of passing design flow. Any test that verifies less than full design flow capability is considered as a partial stroke test.

## 3.2 ALTERATIONS TO CODE REQUIREMENTS

### 3.2.1 Pump Vibration Testing

NMP2 has adopted velocity instead of displacement for measuring pump vibration on all pumps. Justification is provided in Relief Request GPRR-1, based on the conclusion that vibration velocity provides a significant improvement in the predictive capability of vibration testing, which will result in earlier detection of potential problems.

### 3.2.2 Pump Bearing Temperature

Pump bearing temperature monitoring will not be performed. Justification is provided in Relief Request GPRR-3, based on the conclusion that the ability of improved vibration testing to detect very small changes in bearing condition would preclude any bearing condition severe enough to cause an abnormal rise in the temperature on the bearing housing.

### 3.2.3 Increased Testing Frequencies

The testing frequencies for certain Category C and D valves has been increased in compliance with Technical Specification or FSAR commitments.

The specific frequency designations and the associated references are contained in the test frequency section of Table 4.2-2.

## 3.3 COLD SHUTDOWN TEST JUSTIFICATION DISCUSSION

The Code permits the delay of valve testing that is impractical during operation to be performed during cold shutdown. Justification for this delay of testing is provided by the Cold Shutdown Test Justifications included in Appendix A. Each Cold Shutdown Test Justification is formatted to contain the following information:

- Cold Shutdown Test Justification Number
- System
- Valve Identification Number
- Category
- Class
- Function
- Quarterly Test Requirements
- Cold Shutdown Test Justification
- Quarterly Partial Stroke Testing
- Cold Shutdown Testing

The cold shutdown test justifications are formatted for numerical filing as follows:

XXX-VCS-Y where:

XXX = System designation
VCS = Valve cold shutdown test justification
Y = Sequential number within any system

## 3.4 RELIEF REQUESTS DISCUSSION

### 3.4.1 General

Written relief requests as allowed by 10CFR50.55a(g)(5)(iii) have been provided in Appendix B, for pumps, and Appendix C, for valves, to provide justification for:

- Performance of testing requirements on pumps and valves that are impractical during both operation and cold shutdown.

- The use of alternate testing methods when Code requirements are either impractical, or where the alternate methods provide equal to or greater assurance of pump and valve operability.

Each relief request is formatted to include the following information:

- Relief Request Number
- System (specific relief requests only)
- Pump or Valve Identification Number
- Category (valves only)
- Class
- Function (specific relief requests only)
- Testing Requirement
- Basis for Relief
- Alternate Testing

### 3.4.2 Generic Pump and Valve Relief Requests

Generic relief requests are used when a relief request applies to pumps or valves in general, e.g.: all containment isolation valves that are Type C tested or all centrifugal pumps.

These relief requests are formatted for numerical filing as follows:

GVRR-Y or GPRR-Y where:

GVRR = Generic valve relief request
GPRR = Generic pump relief request
Y = Sequential number

### 3.4.3 Specific Pump and Valve Relief Requests

These reliefs are used to provide specific relief to specific pumps or valves and are formatted for numerical filing as follows:

XXX-VRR-Y or XXX-PRR-Y where:

XXX = System designation
VRR = Valve relief request
PRR = Pump relief request
Y = Sequential relief request number in any system

## 4.0 PUMP AND VALVE IST PROGRAM TABLE DESCRIPTIONS

## 4.1 PUMP PROGRAM TABLE DESCRIPTION

### 4.1.1 Pump Table Summary

The Pump IST Program Table (Appendix D) contains an alpha-numeric listing of all the pumps included in the NMP2 Section XI Pump IST Program. The data contained in these tables identifies the inservice test parameters to be measured, the applicable relief requests and any applicable remarks. NOTE: A column for testing frequency was not included since all testing for pumps will be performed QUARTERLY.

### 4.1.2 Pump Program Table Format

The Pump IST Program Tables has been organized to provide the following information:

Note: The numbers in parenthesis correspond to those found on the sample pump (IST) Program Table found in Table 4.1-1.

(1) PUMP MARK NUMBER: The pump identification number
(2) CODE CLASS: ASME Code Class
(3) P&ID: Piping and Instrumentation Drawing where pump is located
(4) COORD: Location coordinates of the pump on the P&ID
(5) PARAMETERS - This column lists the applicable testing parameters that will be measured. The parameters listed are those required by the code unless alternate testing is provided by relief request. The following is a description of applicable parameters:
   - o SPEED - Pump speed (only required for variable speed pumps)
   - o INLET PRESS - Pump suction pressure
   - o DIFF PRESS - Pump differential or discharge pressure
   - o VIB VEL - Pump vibration velocity.
   - o FLOW - Pump flowrate

(6) RELIEF - Indicates whether or not there is a relief request applicable, where Y = Yes and N = No. The specific relief request number is found in the remarks column.
(7) REMARKS - Any additional pertinent information such as the applicable Relief Requests Number, FSAR or Tech. Spec. reference, is provided in this space.

## 4.2 VALVE PROGRAM TABLE DESCRIPTION

### 4.2.1 Valve Program Table Summary

The Valve Program Tables (Appendix E) provide a tabulation of all safety-related valves included in the NMP2 Valve IST Program. The tables are arranged by system and the valves in each system are listed in alpha-numeric sequence.

SAMPLE TABLE

TABLE 4.1-1

PUMP INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION UNIT #2

| PUMP MARK NUMBER | CODE CLASS | P&ID | COORD | PARAMETERS | RELIEF | REMARKS |
|---|---|---|---|---|---|---|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) |

### 4.2.2 Valve Program Table Format

Each valve program table has been organized to provide the following information:

Note: The numbers in parenthesis correspond to those found on the sample valve IST Program Table found in Table 4.2-1.

(1) SYSTEM: The system that the particular table applies to

(2) VALVE NUMBER: The valve identification mark number

(3) CLASS: ASME Code Class

(4) P&ID: Piping and instrumentation drawing where the valve is located

(5) COORD: Location coordinates of the valve on the P&ID

(6) VCAT: Valve category as identified by IWV-2200

(7) ACT/PAS: Classification according to IWV-2100

Where: A = Active
P = Passive

(8) SIZE: Valve size in inches

(9) VALVE TYPE: Valve design type

(10) ACTUAT TYPE: Type of actuator used to change position of valve

(11) VALVE POSITIONS:

(a) NRM - Position during normal plant operation

(b) SAF - Position to fulfill safety function

(c) FAL - Position valve fails to or loss of electrical power

(12) TYPE C - Indicates whether valve requires Appendix J, Type C Leak Test, where: Y = Yes N = No

(13) TEST, FREQ, (DIR): The testing requirement, frequency the test will be performed, and in parenthesis, either the direction(s) stroke time should be measured for power operated valves, or the direction(s) the valve should be exercised for check valves. This column identifies the Code requirements unless alternate testing is provided by relief request or cold shutdown test justification. Format for the field is as follows:

Test code - Frequency Code (stroke time or exercise direction)

e.g.: FE-Q (F+R) = Full stroke exercise quarterly in the forward and reverse flow direction

ST-CS(O) = Measure valve stroke time in the open direction during cold shutdowns.

FE-R(R) = Full stroke exercise during refueling outage in the reverse direction.

(14) RELIEF: Indicates whether or not there is a relief request, or cold shutdown test justification applicable; where Y = Yes and N = No. The specific relief request or cold shutdown test justification number is found in the remarks column.

(15) REMARKS: Any additional pertinent information such as the applicable Cold Shutdown Test Justifications numbers and/or Relief Request numbers are provided in this space.

### 4.2.3 Valve Program Table Codes

A quick reference table providing definitions for the codes (abbreviations) used on the Valve Program Tables is provided in Table 4.2-2.

SAMPLE TABLE

TABLE 4.2-1

VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION UNIT #2

SYSTEM: (1)

| VALVE NUMBER | CLASS | P&ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | POSITIONS SAF | POSITIONS FAL | TYPE C | TEST FREQ. (DIR.) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11a) | (11b) | (11c) | (12) | (13) | (14) | (15) |

TABLE 4.2-2 VALVE TABLE CODES

| VALVE TYPE | | | | ACTUATOR TYPE | |
|---|---|---|---|---|---|
| CODE | DEFINITION | CODE | DEFINITION | CODE | DEFINITION |
| AGV | Angle Valve | NDV | Needle | AOA | Air Operator |
| BFV | Butterfly | PGV | Plug | EXA | Explosive-Operator |
| BLV | Ball | PRV | Regulating | HOA | Hydraulic-Operator |
| CHV | Check | RD | Rupture Disc | MAA | Manual Operator |
| DIV | Diaphragm | REV | Relief | MOA | Motor Operator |
| EXV | Explosive | SCV | Stop Check | NOA | Nitrogen Operator |
| FCV | Flow Control | SKV | Spring Check | SEA | Self-Actuated |
| GTV | Gate | TCV | Testable Check | SOA | Solenoid-Operator |
| GLV | Globe | VRV | Vacuum Breaker | | |

| VALVE POSITIONS | | TEST DIRECTION | |
|---|---|---|---|
| CODE | DESCRIPTION | CODE | DEFINITION |
| O | Open | O | Open |
| C | Closed | C | Closed |
| LO | Locked Open | F | Forward Flow |
| LC | Locked Closed | R | Reverse Flow |
| TH | Throttled | | |
| -- | Determined by system parameters i.e. check valve | | |
| AI | As is | | |
| OC | Open or Closed | | |

| TEST REQUIREMENTS | | TEST FREQUENCY | |
|---|---|---|---|
| CODE | DEFINITION | CODE | DEFINITION |
| EX | Explosive Valve per IWV-3610 | Q | Quarterly |
| FE | Full Stroke Exercise per IWV-3412 or 3522 | S | Every 6 months |
| FS | Fail Safe per IWV-3415 | CS | Cold Shutdown |
| LJ | Leak Test per 10CFR50 Appendix J | R | Refueling |
| LK | Leak Test per Section XI (Pressure Isolation Only) | T | Every 2 years |
| PI | Remote Position Indication Test per IWV-3300 | P1 | 50% each refueling outage per FSAR 5.2.2.10 |
| RT | Relief Valve per OM-1, 1981 | P2 | Every 10 years per OM-1, 1981 |
| RD | Rupture Disc per OM-1, 1981 | P3 | Every 5 years per OM-1, 1981 |
| ST | Stroke Time per IWV-3413 | P4 | Every refueling outage per T.S.4.6.4.b.3 |
| VT | Vacuum Test per OM-1, 1981 | P5 | 50% each refueling outage per T.S.4.1.5.d.1 |
| | | P6 | 1 squib each refueling outage per T.S.4.6.3.5.b |

# APPENDIX A

## VALVE INSERVICE TESTING PROGRAM
## COLD SHUTDOWN TEST JUSTIFICATIONS

# COLD SHUTDOWN TEST JUSTIFICATION CCP-VCS-1

| | |
|---|---|
| **System:** | Reactor Building Closed Loop Cooling Water |
| **Valve(s):** | 2CCP*MOV15A,B<br>2CCP*MOV16A,B<br>2CCP*MOV17A,B<br>2CCP*MOV94A,B |
| **Category:** | A [2CCP*MOV15A, 15B, 16A, 16B, 17A, 17B, 94A, 94B] |
| **Class:** | 2 [2CCP*MOV15A, 15B, 16A, 16B, 17A, 17B, 94A, 94B] |
| **Function:** | Inlet and outlet primary containment isolation valves to recirculation pump coolers and CCP return line block valves. |
| **Quarterly Test Requirements:** | Exercise and stroke time. |
| **Cold Shutdown Test Justification:** | Testing during operation would cause a loss of CCP flow to the recirculation pump seal coolers, motor bearing coolers, and motor winding coolers. The failure of any one of these valves to reopen after stroking would result in a complete loss of cooling to the associated recirculation pump, which could cause extensive damage to the pump. Furthermore, loss of cooling requires a plant shutdown. |
| **Quarterly Partial Stroke Testing:** | The operating circuitry of these valves only permits full stroke operation. |
| **Cold Shutdown Testing:** | Exercise and stroke time. |

## COLD SHUTDOWN TEST JUSTIFICATION CCP-VCS-2

**System:** Reactor Building Closed Loop Cooling Water

**Valve(s):** 2CCP*MOV122
2CCP*MOV124
2CCP*MOV265
2CCP*MOV273

**Category:** A

**Class:** 2

**Function:** CCP supply and return line primary containment isolation valves to drywell unit coolers.

**Quarterly Test Requirements:** Exercise and stroke time.

**Cold Shutdown Test Justification:** The drywell coolers are required during normal plant operation to maintain the average drywell temperature below 150°F. Cycling of these valves will interrupt cooling water flow to the drywell coolers. The failure of any one of these valves to reopen after testing would result in a complete loss of cooling water to the drywell coolers. This loss would lead to a high drywell temperature condition and required plant shutdown. Furthermore, the loss of drywell cooling could result in equipment damage and/or a high drywell pressure and subsequent reactor trip.

**Quarterly Partial Stroke Testing:** The operating circuitry of these valves only permits full stroke operation.

**Cold Shutdown Testing:** Exercise and stroke time.

## COLD SHUTDOWN TEST JUSTIFICATION CSH-VCS-1

| | |
|---|---|
| **System:** | High-Pressure Core Spray |
| **Valve(s):** | 2CSH*A0V108 |
| **Category:** | AC |
| **Class:** | 1 |
| **Function:** | HPCS discharge line inside containment isolation valve. |
| **Quarterly Test Requirements:** | Verify forward flow operability and reverse flow closure. |
| **Cold Shutdown Test Justification:** | This valve is a testable check valve equipped with an air operator for testing. During plant operation, full reactor coolant system pressure is imposed on the valve disk. The air operator is only capable of exercising the valve against zero differential pressure. |
| **Quarterly Partial Stroke Testing:** | The valve operator is incapable of exercising the valve against the reactor coolant system pressure. |
| **Cold Shutdown Testing:** | Forward flow operability and reverse flow closure will be verified using the air test operator when the differential pressure across the valve is reduced to zero. |

## COLD SHUTDOWN TEST JUSTIFICATION CSH-VCS-2

| | |
|---|---|
| **System:** | High-Pressure Core Spray |
| **Valve(s):** | 2CSH*MOV107 |
| **Category:** | A |
| **Class:** | 1 |
| **Function:** | HPCS discharge line outside containment isolation valve. |
| **Quarterly Test Requirements:** | Exercise and stroke time. |
| **Cold Shutdown Test Justification:** | This valve and check valves 2CSH*AOV108 and 2CHS*V9 prevent overpressurization of the CSH pump suction piping. Since there are no provisions to detect leakage past the check valves during plant operation, opening of this valve could over pressurize the CSH pump suction piping, if simultaneous leakage occurred past the check valves. |
| **Quarterly Partial Stroke Testing:** | The operating circuitry of this valve only permits full stroke operation. |
| **Cold Shutdown Testing:** | Exercise and stroke time. |

## COLD SHUTDOWN TEST JUSTIFICATION CSH-VCS-3

| | |
|---|---|
| **System:** | High-Pressure Core Spray |
| **Valve(s):** | 2CSH*V16 |
| **Category:** | C |
| **Class:** | 2 |
| **Function:** | HPCS pump suppression pool suction line check valve. |
| **Quarterly Test Requirements:** | Verify forward flow operability. |
| **Cold Shutdown Test Justification:** | The only way to verify forward flow operability is to pump suppression pool water through the system back to the suppression pool via the test return line. This leaves a significant amount of poor quality suppression pool water in the CSH piping. If an initiation of the CSH occurred before the system were flushed, the poor quality suppression pool water would be injected into the reactor, resulting in loss of reactor coolant system water chemistry and a forced reactor shutdown. |
| **Quarterly Partial Stroke Testing:** | Partial stroke exercising would have the same effect as full stroke exercising during normal operation. |
| **Cold Shutdown Testing:** | The valve will be tested for forward flow operability at cold shutdown when there is sufficient time to flush the system after testing. |

## COLD SHUTDOWN TEST JUSTIFICATION CSL-VCS-1

| | |
|---|---|
| **System:** | Low-Pressure Core Spray |
| **Valve(s):** | 2CSL*AOV101<br>2CSL*MOV104 |
| **Category:** | A [2CSL*MOV104]<br>AC [2CSL*AOV101] |
| **Class:** | 1 |
| **Function:** | LPCS injection inside and outside containment isolation valves. |
| **Quarterly Test Requirements:** | Exercise and stroke time [2CSLMOV104]. Verify forward and reverse flow operability [2CSL*AOV101]. |
| **Cold Shutdown Test Justification:** | These valves are reactor pressure boundary valves, they also provide isolation between high and low pressure CSL piping. Testable check valve 2CSL*AOV101 can only be operated using the air test operator when differential pressure across the valve is equal to zero. Valve 2CSL*MOV104 can only be opened when differential pressure across the valve is 88 PSID or less. During normal plant operation, these conditions cannot be achieved and; furthermore, if leakage occurred past either valve while the other was opened, damage could occur to the low pressure CSL piping. |
| **Quarterly Partial Stroke Testing:** | Partial stroke exercising results in the same situation as full stroke exercising. |
| **Cold Shutdown Testing:** | All required quarterly testing listed above will be performed. |

## COLD SHUTDOWN TEST JUSTIFICATION FWS-VCS-1

| | |
|---|---|
| **System;** | Feedwater |
| **Valve(s);** | 2FWS*AOV23A, B |
| **Category:** | AC |
| **Class:** | 1 |
| **Function:** | Feedwater system outside primary containment isolation valve. |
| **Quarterly Test Requirements:** | Verify reverse flow closure. |
| **Cold Shutdown Test Justification:** | These valves are testable check valves with installed air operators for testing. The air operators are not capable of closing the valves with the feedwater system in operations. To exercise the valves closed during normal operation would require a significant reduction in power and stopping one loop of feedwater would introduce undesirable operational transients and could result in a reactor scram. |
| **Quarterly Partial Stroke Testing:** | Partial stroking would require the same conditions as full stroke exerising. |
| **Cold Shutdown Test Justification:** | Reverse flow closure will be verified using the installed air test operators. |

## COLD SHUTDOWN TEST JUSTIFICATION FWS-VCS-2

| | |
|---|---|
| **System;** | Feedwater |
| **Valve(s);** | 2FWS*MOV21A, B |
| **Category:** | A |
| **Class:** | 1 |
| **Function:** | Feedwater system flow block valves. |
| **Quarterly Test Requirements:** | Exercise and stroke time. |
| **Cold Shutdown Test Justification:** | Exercising these valves during normal operation would require a significant reduction in power and stopping one loop of feedwater flow. Isolation of one loop of feedwater would introduce undesirable operational transients and could result in a reactor scram. |
| **Quarterly Partial Stroke Testing:** | The operating circuitry of this valve only permits full stroke operation. |
| **Cold Shutdown Testing:** | Exercise and stroke time. |

## COLD SHUTDOWN TEST JUSTIFICATION ICS-VCS-1

| | |
|---|---|
| **System;** | Reactor Core Isolation Cooling |
| **Valve(s);** | 2ICS*MOV126 |
| **Category:** | B |
| **Class:** | 1 |
| **Function:** | RCIC injection valve. |
| **Quarterly Test Requirements:** | Exercise and stroke time. |
| **Cold Shutdown Test Justification:** | System design did not provide a means to verify that there is no leakage across downstream testable check valves 2ICS*AOV156 and 2ICS*AOV157 during normal operation. If leakage does exist, opening 2ICS*MOV126 during normal operation could result in an intersystem LOCA. |
| **Quarterly Partial Stroke Testing:** | The operating circuitry of this valve only permits full stroke operation. |
| **Cold Shutdown Testing:** | Exercise and stroke time. |

## COLD SHUTDOWN TEST JUSTIFICATION ICS-VCS-2

**System;** Reactor Core Isolation Cooling

**Valve(s);** 2ICS*AOV156
2ICS*AOV157

**Category:** A

**Class:** 1

**Function:** RCIC injection line containment isolation valves.

**Quarterly Test Requirements:** Verify forward flow operability and reverse flow closure.

**Cold Shutdown Test Justification:** These valves are testable check valves with air test operators. During plant operation full reactor coolant system pressure is imposed on the valve disk. The air operator is only capable of exercising the valve against zero differential pressure. There are no system design provisions to verify leak tight closure of the valves after exercising. If the valves were to be exercised by using ICS system injection, the valves cannot be verified as fully closed after exercising. If upstream 2ICS*MOV126 were opened inadvertently with leakage across these valves, the possibility of an intersystem LOCA exists. Forward flow injection of RCIC water during normal operation would cause a turbine trip and subsequent reactor scram.

**Quarterly Partial Stroke Testing:** Partial stroking requires the same conditions as full stroke testing.

**Cold Shutdown Testing:** Forward flow operability and reverse flow closure will be verified using the air test operators when the differential pressure across the valve is zero.

## COLD SHUTDOWN TEST JUSTIFICATION ICS-VCS-3

| | |
|---|---|
| **System;** | Reactor Core Isolation Cooling |
| **Valve(s);** | 2ICS*MOV128 |
| **Category:** | A |
| **Class:** | 1 |
| **Function:** | Inboard primary containment isolation valve. |
| **Quarterly Test Requirements:** | Exercise and stroke time. |
| **Cold Shutdown Test Justification:** | Failure of this valve in the closed position during normal operation would preclude the capability of operating the ICS system, if required. This valve is located inside the primary containment and could not be reopened manually without shutting down the reactor. |
| **Quarterly Partial Stroke Testing:** | The operating circuitry for this valve only permits full stroke operation. |
| **Cold Shutdown Testing:** | Exercise and stroke time. |

## COLD SHUTDOWN TEST JUSTIFICATION ICS-VCS-4

| | |
|---|---|
| **System;** | Reactor Core Isolation Cooling |
| **Valve(s);** | 2ICS*V28 |
| **Category:** | C |
| **Class:** | 2 |
| **Function:** | ICS pump suppression pool suction line check valve. |
| **Quarterly Test Requirements:** | Verify forward flow operability. |
| **Cold Shutdown Test Justification:** | The only way to verify forward flow operability is to pump suppression pool water through the system and back to the suppression pool via the mini-flow return line. This leaves a significant amount of poor quality suppression pool water in the ICS. If an initiation of the ICS occurred before the system were flushed, the poor quality suppression pool water would be injected into the reactor, resulting in loss of reactor coolant system water chemistry and a forced reactor shutdown. |
| **Quarterly Partial Stroke Testing:** | Partial stroke exercising would have the same effect as full stroke exercising during normal operation. |
| **Cold Shutdown Testing:** | The valve will be tested for forward flow operability at cold shutdown when there is sufficient time to flush the system after testing. |

## COLD SHUTDOWN TEST JUSTIFICATION MSS-VCS-1

| | |
|---|---|
| **System;** | Main Steam |
| **Valve(s);** | 2MSS*AOV6A, B, C, D<br>2MSS*AOV7A, B, C, D |
| **Category:** | A |
| **Class:** | 1 |
| **Function:** | Main steam line inside and outside primary containment isolation valves. |
| **Quarterly Test Requirements:** | Exercise, stroke time, and fail-safe test. |
| **Cold Shutdown Test Justification:** | To exercise these valves during power operation would require a significant reduction in power and placing the plant in an abnormal operating condition with one main steam line isolated to the turbine. Also, recent industry information indicates that closing these valves with high steam flow in the line may be a large contributing factor in observed seat degradation. |
| **Quarterly Partial Stroke Testing:** | Valves are partial stroke tested during normal plant operation. |
| **Cold Shutdown Testing:** | Exercise, stroke time, and fail-safe test. |

## COLD SHUTDOWN TEST JUSTIFICATION RCS-VCS-1

| | |
|---|---|
| **System;** | Reactor Coolant (Recirculation) |
| **Valve(s);** | 2RCS*MOV18A, B |
| **Category:** | B |
| **Class:** | 1 |
| **Function:** | Reactor recirculation pumps P1A and P1B discharge isolation valves. |
| **Quarterly Test Requirements:** | Exercise and stroke time. |
| **Cold Shutdown Test Justification:** | Exercising these valves during normal operation would require a significant reduction in power and stopping flow in one recirculation loop. Isolation of one recirculation loop would introduce an undesirable operational transient that could result in a reactor scram. |
| **Quarterly Partial Stroke Testing:** | The operating circuitry of these valves only permits full stroke operation. |
| **Cold Shutdown Testing:** | Exercise and stroke time. |

## COLD SHUTDOWN TEST JUSTIFICATION RCS-VCS-2

**System;** Reactor Coolant (Recirculation)

**Valve(s);**
2RCS*SOV65A, B
2RCS*SOV66A, B
2RCS*SOV67A, B
2RCS*SOV68A, B
2RCS*SOV79A, B
2RCS*SOV80A, B
2RCS*SOV81A, B
2RCS*SOV82A, B

**Category:** A

**Class:** 2

**Function:** Primary containment block valves in the reactor coolant recirculation flow control valve hydraulic lines.

**Quarterly Test Requirements:** Exercise, stroke time, and fail-safe test.

**Cold Shutdown Test Justification:** These valves control the flow of hydraulic fluid to the reactor coolant recirculation flow control valves, and their positions control the positions of the flow control valves. Exercising these valves during reactor coolant recirculation flow would cause disturbance of normal loop flow and could result in adverse plant operation, e.g., changes in reactivity, power transient, and a possible reactor scram.

**Quarterly Partial Stroke Testing:** The operating circuitry of these valves only permits full stroke operation.

**Cold Shutdown Testing:** Exercise, stroke time, and fail-safe test.

## COLD SHUTDOWN TEST JUSTIFICATION RHS-VCS-1

**System;** Residual Heat Removal

**Valve(s);**
2RHS*AOV16A, B, C
2RHS*AOV39A, B
2RHS*MOV23A, B
2RHS*MOV24A, B, C
2RHS*MOV40A, B
2RHS*MOV67A, B
2RHS*MOV104
2RHS*MOV112
2RHS*MOV113

**Category:** A (MOV's)
AC (AOV's)

**Class:** 1

**Function:** Reactor coolant system pressure isolation valves and RHS system high to low pressure isolations.

**Quarterly Test Requirements:** Exercise and stroke time (All MOV's). Verify forward and reverse flow operability (All AOV's).

**Cold Shutdown Test Justification:** The AOV's are testable check valves that can only be operated when differential pressure across the valve is zero. The MOV's are interlocked to prevent them from opening when the reactor is at a higher pressure than the design of the low pressure RHS piping. These conditions for operation of these valves cannot be achieved during normal plant operation.

**Quarterly Partial Stroke Testing:** Partial stroke exercising results in the same situation as full stroke exercising.

**Cold Shutdown Testing:** All required quarterly testing listed above will be performed.

## COLD SHUTDOWN TEST JUSTIFICATION RHS-VCS-2

| | |
|---|---|
| **System;** | Residual Heat Removal |
| **Valve(s);** | 2RHS*V143 |
| **Category:** | C |
| **Class:** | 1 |
| **Function:** | RHR system reactor vessel head spray line check valve. |
| **Quarterly Test Requirements:** | Verify forward flow operability. |
| **Cold Shutdown Test Justification:** | To verify forward flow operability of this valve would require the flow of water from the RHS to ICS through valve 2RHS*MOV104. Due to an interlock on 2RHS*MOV104, which is not permitted to be defeated by Technical Specifications, testing can be accomplished only at cold shutdown. |
| **Quarterly Partial Stroke Testing:** | Partial stroking would require the same operation conditions as full stroke exercising. |
| **Cold Shutdown Testing:** | Verify forward flow operability. |

## COLD SHUTDOWN TEST JUSTIFICATION RHS-VCS-3

**System;** Residual Heat Removal

**Valve(s);** 2RHS*MOV22A, B
2RHS*MOV80A, B
2RHS*PV21A, B

**Category:** A

**Class:** 2

**Function:** ICS to RHS Cross tie for Steam Condensing Mode.

**Quarterly Test Requirements:** Exercise and Stroke time (MOV's). Exercise, stroke time, fail-safe test (PV's).

**Cold Shutdown Test Justification:** These valves provide isolation between the ICS piping which is at reactor pressure and the low pressure RHS piping. Opening of these valves during power operation could overpressurize the low pressure RHS piping and result in an intersystem LOCA.

**Quarterly Partial Stroke Testing:** Partial stroke exercising results in the same situation as full stroke exercising.

**Cold Shutdown Testing:** All required quarterly testing listed above will be performed.

## COLD SHUTDOWN TEST JUSTIFICATION SWP-VCS-1

**System;** Service Water

**Valve(s);** 2SWP*MOV3A, B
2SWP*MOV19A, B
2SWP*MOV50A, B

**Category:** B

**Class:** 3

**Function:** Safety-related to non safety-related isolation valves [2SWP*MOV3A, 3B, 19A, 19B]. SWS header cross connect valves [2SWP*MOV50A, B].

**Quarterly Test Requirements:** Exercise and stroke time.

**Cold Shutdown Test Justification:** The closing of 2SWP*MOV19A, B with the subsequent failure of either valve to reopen would result in a complete loss of cooling to CCP heat exchangers. This loss of cooling would result in loss of cooling to the reactor recirculation pumps and to the drywell cooling system. The closing of 2SWP*MOV3A, B with subsequent failure of either valve to reopen would result an incomplete loss of cooling to the turbine generator. This loss of cooling water would require tripping the turbine generator and a subsequent power transient that could result in a reactor trip. Since SWP is normally cross connected and the above loads are supplied from the A header prior to closing either 2SWP*MOV5OA or 5OB a major shifting of SWP loads must be performed. Since this shifting of loads would effect both safety related SWP trains the potential negative effect to overall plant safety exceeds any benefit resulting from stroking these valves.

**Quarterly Partial Stroke Testing:** The operation circuitry of these valves only permits full stroke operation.

**Cold Shutdown Testing:** Exercise and stroke time.

## COLD SHUTDOWN TEST JUSTIFICATION WCS-VCS-1

**System:** Reactor Water Cleanup

**Valve(s):** 2WCS*MOV102
2WCS*MOV112
2WCS*MOV200

**Category:** A

**Class:** 1

**Function:** Reactor Water Cleanup system primary containment isolation valves.

**Quarterly Test Requirements:** Exercise and stroke time.

**Cold Shutdown Test Justification:** Failure of these valves in the closed position during normal operation would result in the loss of reactor coolant chemistry control. Reactor coolant water chemistry control is required during all normal operating modes. Failure to maintain water chemistry control would result in a forced shutdown of the reactor. The inadvertent opening of these valves prior to system warm-up would result in thermal shock to the reactor water cleanup system.

**Quarterly Partial Stroke Testing:** The operating circuitry of these valves only permits full stroke operation.

**Cold Shutdown Testing:** Exercise and stroke time.

# APPENDIX B

## PUMP INSERVICE TESTING PROGRAM
## RELIEF REQUESTS

## RELIEF REQUEST NO. GPRR-1

**Pump(s):** All safety-related pumps

**Class:** 2 and 3

**Testing Requirements:** Measure vibration amplitude displacement quarterly

**Basis for Relief:** NMP2 proposes an alternate program which, based on survey conducted of existing plants vibration programs and a review of pump vibration testing literature, provides a significant increase in the predictive capability. The proposed program is based on vibration readings measured in velocity units rather than vibration amplitude in mils displacement. This technique is an industry accepted method which is more sensitive to small changes that are indicative of developing mechanical problems and hence more meaningful. Velocity measurements, in addition to detecting high amplitude vibrations that indicate a major mechanical problem, provide an improved ability to detect equally harmful low-amplitude, high-frequency vibrations resulting from misalignment, imbalance, or bearing wear that usually go undetected by simple displacement measurements.

**Alternate Testing:** Pump vibration measurements will be in vibration velocity (in/sec). Acceptance criteria is provided in Tables 1 and 2 of this relief request.

**Table 1: Vibration, Velocity (in/sec), Acceptance Criteria for Centrifugal Pumps***

| | Acceptable Range | Alert Range | Required Action |
|---|---|---|---|
| ECCS Systems | 0-2.5$V_r$ or 0-.3 in/sec | >2.5$V_r$-5$V_r$ or >.3 in/sec | >5$V_r$ or >.3 in/sec |
| Non-ECCS Systems | 0-2.5$V_r$ or 0-.325 in/sec | >2.5$V_r$-6$V_r$ or >.325-.7 in/sec | >6$V_r$ or >.7 in/sec |

*Note: The most limiting of the two ranges given is applicable.

**Table 2: Vibration Velocity (in/sec), Acceptance Criteria for Positive Displacement Pumps**

| Acceptable Range | Alert Range | Required Action |
|---|---|---|
| 0-2.5$V_r$ | >2.5$V_r$ | >6$V_r$ |

## RELIEF REQUEST NO. GPRR-2

**Pump(s):** All safety related pumps

**Class:** 2 and 3

**Testing Requirements:** Table IWP-3100-2 Allowable Ranges of Test Quantities

**Basis for Relief:** NMP2 proposes alternate high limits to those contained in Table IWP-3100-2 for the differential pressure ($\Delta P$) and flowrate (Q) parameters. The alternate limits shown in the table below increases the high required action range for these parameters to 1.10 times the reference value and eliminates the high alert range. Since the primary reason for pump testing is to insure pump operability by the detection of degradation in relation to an established reference value, a change in the high limit will not impair the ability to detect pump degradation. Furthermore, these alternate limits are consistent with the limits contained in Draft 9 of ANSI/ASME OM-6.

**Alternate Testing:** Acceptance criteria for $\Delta P$ and Q is provided in the table below.

| Test Parameter | Acceptable Range | Alert Range | | Required Action Range | |
|---|---|---|---|---|---|
| | | Low | High | Low | High |
| $\Delta P$ All Pumps | .93 to 1.10 $\Delta P_r$ | .90 to <.93 $\Delta P_r$ | N/A | <.90 $\Delta P_r$ | >1.10 $\Delta P_r$ |
| Q All Pumps | .94 to 1.10 $Q_r$ | .90 to <.94 $Q_r$ | N/A | <.90 $Q_r$ | >1.10 $Q_r$ |

## RELIEF REQUEST NO. GPRR-3

**Pump(s):** All safety related pumps

**Class:** 2 and 3

**Testing Requirements:** Measure bearing temperature yearly

**Basis for Relief:** The measuring of bearing temperatures along with vibration monitoring are both means of determining the mechanical condition of a pump. However, the condition of a pump bearing would have to seriously degrade to cause a detectable rise of temperature on the bearing housing. With the improved vibration monitoring program employed at NMP2, the ability to detect very small changes in the mechanical condition of a pump exists. Therefore, any degradation of a bearing would be detected before an increase of temperature on the bearing housing occurred.

**Alternate Testing:** Pump mechanical condition will be determined by quarterly vibration monitoring. Bearing temperatures will not be measured.

## RELIEF REQUEST NO. EGF-PRR-1

| | |
|---|---|
| **System:** | Standby Diesel Generator (Fuel oil) |
| **Pump(s):** | 2EGF*P1A, B, C, D<br>2EGF*P2A, B |
| **Class:** | 3 |
| **Function:** | Transfer diesel fuel oil from the storage tank to the day tank. |
| **Testing Requirements:** | Measure pump inlet and differential pressures. |
| **Basis for Relief:** | This pump is located above the storage tank fluid level and is designed to be a self priming negative NPSH pump. A pressure tap has not been provided to measure pump inlet or differential pressure. |
| **Alternate Testing:** | Pump outlet pressure is measured in accordance with the Code and flow rate is determined by measuring the day tank level versus time during pump testing. Outlet pressure and flow rate will be used to evaluate pump performance. |

## RELIEF REQUEST NO. 2SLS-PRR-1

| | |
|---|---|
| **System:** | Standy Liquid Control |
| **Pump(s):** | 2SLS*PIA, PIB |
| **Class** | 2 |
| **Function:** | Inject borated solution into the reactor for emergency shutdown. |
| **Testing Requirements:** | In accordance with IWP-4600, flow rate shall be measured using a rate or quantity gravity meter installed in the pump test circuit. The meter may be in any class that provides an overall readout repeatability of $\pm$ 2 percent of full scale. |
| **Basis for Relief:** | These pumps test circuits are not provided with in-place flow meters. Flow measurement for these pumps will be accomplished by use of a clamp on ultrasonic flow meter with a full scale repeatable accuracy of $\pm$ 3 percent. The $\pm$ 3 percent accuracy exceeds the allowable instrument accuracy, however, this small reduction in accuracy will not provide a significant reduction in the ability to determine pump operability. |
| **Alternate Testing:** | Flow rate will be measured using a clamp on ultrasonic flow meter with a repeatable full scale accuracy of $\pm$ 3 percent. |

## RELIEF REQUEST NO. 2SWP-PRR-1

**System:** Service Water

**Pump(s):** 2SWP*P2A, B

**Class:** 3

**Function:** To operate in conjunction with temperature control valves [2SWS*TV35A, B] to provide the recirculation of service water through chillers [2HVK*CHL1A, B] to maintain inlet temperature and flow through the chillers above the minimum values necessary for proper operation of the Control Building Chilled Water System (HVK).

**Testing Requirements:** Measure pump inlet pressure, differential pressure, flow rate and vibration.

**Basis for Relief:** Since these pumps perform a control function, the operating parameters are constantly changing due to varying temperatures and pressures in the SWP supply and varying load conditions in the HVK system. Due to these varying operational conditions it is very difficult to obtain meaningful data for the parameters required by IWP. Since these pumps are integral to the operation of the HVK system NMP2 has determined that the normal monitoring of the HVK system for proper operation, insuring that chillers [2HVK*CHL1A, B] inlet temperatures and flow rates are maintained above the minimum required values, and continued quarterly monitoring of the pumps for vibration velocity to insure mechanical integrity will meet the intent of IWP.

**Alternate Testing:** Normal monitoring of HVK system operation and insuring that 2HVK*CHL1A, B inlet temperature and flow rate are maintained above the minimum required valves. Continued monitoring of pump vibration velocity in accordance with the acceptance criteria contained in GPRR-1.

# APPENDIX C

# VALVE INSERVICE TESTING PROGRAM RELIEF REQUESTS

## RELIEF REQUEST NO. GVRR-1

| | |
|---|---|
| **Valves:** | Containment Isolation Valves |
| **Category:** | A |
| **Class:** | 1, 2 |
| **Testing Requirements:** | Leak rate test in accordance with Subsection IWV-3420. |
| **Basis for Relief:** | IWV-2200(a) defines Category A valves as "valves for which seat leakage is limited to a specified maximum amount in the closed position of fulfillment of their function." The intent of the Code requirement is to verify that valve leakage is limited to an acceptable value. For containment isolation valves, an acceptable total allowed leakage rate has been established in compliance with the requirements of 10CFR50, Appendix J. Performance of Appendix J, leak rate testing fulfills the intent of Section XI, Category A valve seat leak testing for containment isolation valves. |
| **Alternate Testing:** | Containment isolation valves will be leak rate testing in accordance with Technical Specification 3/4.6.3 "Primary Containment Isolation Valves". |

## RELIEF REQUEST NO. GVRR-2

| | |
|---|---|
| **Valves:** | Excess Flow Check Valves |
| **Category:** | AC |
| **Class:** | 2 |
| **Testing Requirements:** | Quarterly Operability Testing |
| **Basis for Relief:** | Excess flow check valves are installed on instrument lines penetrating containment in accordance with Regulatory Guide 1.11. Functional testing of these valves to verify closure can be accomplished by the process of venting the instrument side of the valve while the process side is under pressure. Such testing is required by Technical Specification 4.6.3.4 at least once every 18 months. Testing on a more frequent basis is not practical since the associated instruments are in use during plant operation and cold shutdown conditions. |
| **Alternate Testing:** | Functional testing will be performed at least once every 18 months per Technical Specification 4.6.3.4. |

## RELIEF REQUEST NO. GVRR-3

**Valves:** Rapid actuating power-operated valves with stroke times of 5 sec or less.

**Category:** A, B

**Testing Requirements:** IWV-3417 requires corrective action if the measured stroke time for a valve that normally strokes in 10 sec or less varies by 50 percent from the last measured stroke time. IWV-3413 allows measurement to the nearest sec for stroke times of 10 sec or less.

**Basis for Relief:** For rapid actuating power-operated valves, the application of the above criteria could result in requiring corrective action when the valves are functioning normally. These valves generally are small air- and solenoid- operated valves which, because of their size and actuator types, stroke very quickly. Operating history on this type of valve indicates that they generally either operate immediately or fail to operate in a reasonable length of time. The intent of the referenced Code sections is to track valve stroke time as a means of detecting valve degradation. This type of valve does not lend itself to this tracking technique.

**Alternate Testing:** A maximum stroke time of 5 sec will be specified for each rapid actuating valve. If the valve strokes in 5 sec or less, it will be considered acceptable and no corrective action will be required. If the valve exceeds 5 sec, it will be considered inoperable and the appropriate corrective action will be taken.

## RELIEF REQUEST NO. CSH-VRR-1

| | |
|---|---|
| **System:** | High Pressure Core Spray |
| **Valve(s):** | 2CSH*V59 |
| **Category:** | C |
| **Class:** | 2 |
| **Function:** | Condensate Storage Tank Supply Header Check Valve. |
| **Quarterly Test Requirement:** | Verify Forward and Reverse Flow Closure |
| **Basis for Relief:** | System design does not include provisions for verification of reverse flow closure. |
| **Alternate Testing:** | Verify forward flow operability quarterly. Disassemble and inspect valve internals every refueling outage. |

## RELIEF REQUEST NO. FWS-VRR-1

| | |
|---|---|
| **System:** | Feedwater |
| **Valve(s):** | 2FWS*V12A, B |
| **Category:** | AC |
| **Class:** | 1 |
| **Function:** | Feedwater system inside primary containment isolation valves. |
| **Quarterly Test Requirement:** | Verify reverse flow closure. |
| **Basis for Relief:** | Verification of reverse flow closure of these valves during normal operation would require a significant reduction in power and stopping one loop of feedwater flow. Isolation of one feedwater loop during normal operation would introduce undesirable operational transients that could result in a reactor scram. It is not practical during cold shutdown to isolate and drain the feedwater lines for this valve test. The only method available to verify reverse flow closure is by valve leak testing during Appendix J, Type C testing at refueling. |
| **Alternate Testing:** | Reverse flow closure will be verified during Appendix J, Type C testing during refueling outages. |

## RELIEF REQUEST NO. GSN-VRR-1

| | |
|---|---|
| **System:** | Nitrogen |
| **Valve(s):** | 2GSN*V170 |
| **Category:** | AC |
| **Class:** | 2 |
| **Function:** | TIP mechanism nitrogen purge primary containment isolation valves. |
| **Quarterly Test Requirement:** | Verify reverse flow closure. |
| **Basis for Relief:** | The only method available to verify reverse flow closure is by valve leak rate testing during Appendix J, Type C testing at refueling. |
| **Alternate Testing:** | Reverse flow closure will be verified during Appendix J, Type C testing during refueling outages. |

## RELIEF REQUEST NO. HCS-VRR-1

| | |
|---|---|
| **System:** | DBA Hydrogen Recombiner |
| **Valve(s):** | 2HCS*MOV26A, B |
| **Category:** | B |
| **Class:** | 2 |
| **Function:** | Skid cooling water block valves |
| **Quarterly Test Requirement:** | Exercise and Stroke Time |
| **Basis for Relief:** | The skid cooling water block valves are controlled by an interlock with the gas blower operation. They will automatically stroke open when the gas blower starts and will close when the blower shuts off, and cannot be manually controlled. This interlock is designed to prevent water from entering the recombiner when it is not operating. Flooding of the recombiner will result in wetting down the in-line blower motor and make the unit inoperable. |
| **Alternate Testing:** | Exercise and stroke valves twice a year during the scheduled 6 month operability testing of the recombiner. |

## RELIEF REQUEST NO. IAS-VRR-1

| | |
|---|---|
| **System:** | Instrument Air |
| **Valve(s):** | 2IAS*V448<br>2IAS*V449 |
| **Category:** | AC |
| **Class:** | 2 |
| **Function:** | Instrument air system primary containment isolation valves. |
| **Quarterly Test Requirement:** | Verify reverse flow closure. |
| **Basis for Relief:** | The only method available to verify reverse flow closure is by valve leak testing during Appendix J, Type C testing at refueling. |
| **Alternate Testing:** | Reverse flow closure will be verified during Appendix J, Type C testing during refueling outages. |

## RELIEF REQUEST NO. IAS-VRR-2

**System:** Instrument Air

**Valve(s):**

| | |
|---|---|
| 2IAS*V421 | 2IAS*V1601 |
| 2IAS*V431 | 2IAS*V1602 |
| 2IAS*V471 | 2IAS*V1603 |
| 2IAS*V526 | 2IAS*V1604 |
| 2IAS*V546 | 2IAS*V1605 |
| 2IAS*V571 | 2IAS*V1606 |
| 2IAS*V581 | 2IAS*V1607 |
| | 2IAS*V1608 |

**Category:** AC

**Class:** 3

**Function:** Main steam safety relief, ADS valve accumulator and MSIV accumulator inlet air check valves.

**Quarterly Test Requirement:** Verify reverse flow closure.

**Basis for Relief:** To verify reverse flow closure requires isolating the instrument air system and entering the primary containment. The instrument air system is required for normal operation and cannot be isolated until refueling.

**Alternate Testing:** Reverse flow closure will be verified during refueling outages.

## RELIEF REQUEST NO. ICS-VRR-1

| | |
|---|---|
| **System:** | Reactor Core Isolation Cooling |
| **Valve(s):** | 2ICS*V39<br>2ICS*V40 |
| **Category:** | C |
| **Class:** | 2 |
| **Function:** | RCIC turbine exhaust to suppression pool vacuum breaker check valves. |
| **Quarterly Test Requirement:** | Verify forward flow operability. |
| **Basis for Relief:** | System design does not include provisions to allow for quarterly verification of forward flow operability. The only method available is to use a special air test used at refueling during Appendix J, Type C seat leak testing of valves 2ICS*MOV148 and 2ICS*MOV164. |
| **Alternate Testing:** | Valves will be tested for forward flow operability at refueling by a special air test performed in conjunction with the Appendix J, Type C seat leak testing of valves 2ICS*MOV148 and 2ICS*MOV164. |

## RELIEF REQUEST NO. ICS-VRR-2

| | |
|---|---|
| **System:** | Reactor Core Isolation Cooling |
| **Valve(s):** | 2ICS*V28 |
| **Category:** | C |
| **Class:** | 2 |
| **Function:** | ICS Pump Suction From Suppression Pool Check Valve. |
| **Quarterly Test Requirement:** | Verify forward flow operability. |
| **Basis for Relief:** | Full stroke forward flow exercising of this valve during any mode of operation would require injecting poor quantity suppression pool water into either the reactor vessel or the condensate storage tank which would result in an undesirable water chemistry condition. The valve can be exercised by returning flow to the suppression pool via the mini-flow line, however, due to the smaller line size of the mini-flow, the flow rate that could be obtained would result in only a partial opening of the valve. |
| **Alternate Testing:** | Partial forward flow exercise by recirculating water to the suppression pool via the mini-flow line at cold shutdown per ICS-VCS-4. |

## RELIEF REQUEST NO. MSS-VRR-1

| | |
|---|---|
| **System:** | Main Steam |
| **Valve(s):** | 2MSS*PSV121<br>2MSS*PSV126<br>2MSS*PSV127<br>2MSS*PSV129<br>2MSS*PSV130<br>2MSS*PSV134<br>2MSS*PSV137 |
| **Category:** | BC |
| **Class:** | 1 |
| **Function:** | ADS valves |
| **Quarterly Test Requirement:** | Exercise and failsafe |
| **Basis for Relief:** | If the valves fail to reclose after testing, the plant would be placed in a LOCA condition. Stroke time is a function of reactor pressure and, therefore, shall not be measured during exercise testing. In addition, a recent study (BWR Owner's Group Evaluation of NUREG-0737, Item II.K.3.16, Reduction of Challenges and Failures of Relief Valves) recommends that the number of ADS openings be reduced as much as possible. Based on this study and the potential for causing a possible LOCA condition, exercise testing of the ADS valves will be delayed to refueling. |
| **Alternate Testing:** | Exercise and failsafe during restart after refueling. |

## RELIEF REQUEST NO. RCS-VRR-1

| | |
|---|---|
| **System:** | Reactor Coolant (recirculation) |
| **Valve(s):** | 2RCS*V59A, B<br>2RCS*V60A, B<br>2RCS*V90A, B |
| **Category:** | AC |
| **Class:** | 2 |
| **Function:** | Reactor coolant recirculation pump seal water, primary containment isolation valves. |
| **Quarterly Test Requirement:** | Verification of reverse flow closure. |
| **Basis for Relief:** | To verify reverse flow closure would require stopping seal water flow to the pumps. The interruption of seal water flow, even for a short time, can result in extensive damage to the pump seals. Due to system design, the only method available to verify reverse flow closure is by valve leak testing during Appendix J, Type C testing at refueling. |
| **Alternate Testing:** | Reverse flow closure will be verified during Appendix J, Type C testing during refueling outages. |

## RELIEF REQUEST NO. RDS-VRR-1

| | |
|---|---|
| **System:** | Control Rod Drive Hydraulic |
| **Valve(s):** | 2RDS*AOV126 (all 185 HCU's)<br>2RDS*AOV127 (all 185 HCU's)<br>2RDS*V114 (all 185 HCU's) |
| **Category:** | B [2RDS*AOV126, 127]<br>C [2RDS*V114] |
| **Class:** | 2 |
| **Function:** | CRD scram valves |
| **Quarterly Test Requirement:** | Exercise, stroke time, and fail-safe test [2RDS*AOV126, 127]<br><br>Verify forward flow operability [2RDS*V114] |
| **Basis for Relief:** | Individual valve testing is not possible without causing a control rod scram with a resulting change in core reactivity. Quarterly testing of these valves would violate plant technical specifications which govern the methods and frequency of reactivity changes. The technical specification for control rod scram insertion time testing meets the intent of Section XI testing requirements. |
| **Alternate Testing:** | The control rod scram insertion time testing required by Technical Specification 4.1.3.2 will be performed in lieu of the Section IX testing. Testing will be performed at the frequency specified by the Technical Specification. |

## RELIEF REQUEST NO. RDS-VRR-2

| | |
|---|---|
| **System:** | Control Rod Drive Hydraulic |
| **Valve(s):** | 2RDS*V115 (all 185 HCU's) |
| **Category:** | C |
| **Class:** | 2 |
| **Function:** | Scram accumulator charging and drive water line check valves. |
| **Quarterly Test Requirement:** | Verify reverse flow closure. |
| **Basis for Relief:** | Verification of reverse flow closure requires securing the CRD pumps, depressurizing the header, and monitoring the individual accumulator pressure and alarm to verify that the valves have closed on reverse flow. This would violate plant technical specifications and could result in a plant scram. |
| **Alternate Testing:** | Verification of reverse flow closure will be performed during a refueling outage when the header can be depressurized without a possible plant scram. Testing will be done during the performance of Technical Specification 4.1.3.5, by depressurizing the header and monitoring the individual accumulator pressure and alarm to verify that the valves have closed on reverse flow. |

## RELIEF REQUEST NO. RDS-VRR-3

| | |
|---|---|
| **System:** | Control Rod Drive Hydraulic |
| **Valve(s):** | 2RDS*V138 (all 185 HCU's) |
| **Category:** | C |
| **Class:** | 2 |
| **Function:** | Cooling water line to HCU check valve |
| **Quarterly Test Requirement:** | Verify reverse flow closure. |
| **Basis for Relief:** | Individual valve testing is not possible without causing an individual control rod scram with a resulting change in core reactivity. Quarterly testing of these valves would violate plant technical specifications which govern the methods and frequency of reactivity changes. Operability is demonstrated by proper CRD temperature, insertion, and withdrawal times. |
| **Alternate Testing:** | Proper CRD insertion and withdrawal times during every refueling outage prior to startup along with the constant monitoring of proper CRD temperature demonstrates proper operation of these valves. In addition, the CRD's are jogged up and down one notch on a weekly basis. |

## RELIEF REQUEST NO. SLS-VRR-1

| | |
|---|---|
| **System:** | Standby Liquid Control |
| **Valve(s):** | 2SLS*MOV5A, B<br>2SLS*V10 |
| **Category:** | AC |
| **Class:** | 1 |
| **Function:** | SLS injection inside and outside containment isolation valves. |
| **Quarterly Test Requirement:** | Verify forward and reverse flow operability |
| **Basis for Relief:** | Verifing forward flow operability during normal operation would require firing a squib valve and injecting water into the reactor coolant system using the SLS pumps. Injecting water during normal operation could result in adverse plant conditions such as changes in reactivity, power transients, thermal shock-induced cracking, and a possible plant trip. The only method available to verify reverse closure of valve 2SLS*V10 is by Appendix J, Type C seat leak testing at refueling. |
| **Alternate Testing:** | Verify forward flow operability at refueling during the SLS injection test. Reverse flow closure of valve 2SLS*V10 will be verified during Appendix J, Type C testing during refueling outages. Reverse flow closure of valves 2SLS*MOV5A, B will be verified quarterly using the motor operators. |

## RELIEF REQUEST NO. SLS-VRR-2

| | |
|---|---|
| **System:** | Standby Liquid Control |
| **Valve(s):** | 2SLS*V12<br>2SLS*V14 |
| **Category:** | C |
| **Class:** | 2 |
| **Function:** | SLS Pump Discharge Check Valves. |
| **Quarterly Test Requirement:** | Verify reverse flow operability quarterly. |
| **Basis for Relief:** | Verifing reverse flow operability during normal operation would require both SLS loops to be cross connected. This would render the SLS inoperable since both pumps would be lined up to discharge to test tank, not the reactor vessel. |
| **Alternate Testing:** | Verify reverse flow operability at refueling during the SLS injection test. |

## RELIEF REQUEST NO. SWP-VRR-1

| | |
|---|---|
| **System:** | Service Water |
| **Valve(s):** | 2SWP*MOV77A, B |
| **Category:** | B |
| **Class:** | 3 |
| **Function:** | Traveling water screen bypass for SWP. |
| **Quarterly Testing Requirement:** | Exercise and stroke time. |
| **Basis for Relief:** | These valves open automatically when the traveling screens fail and cause the screenwall level to decrease. When open, the valves permit water to bypass the traveling water screens. During this time, debris from Lake Ontario, i.e., twigs, leaves, or marine life, may enter the service water system. To prevent fouling of safety-related service water components, these valves will be exercised during refueling when the reduced demand on SWP would allow stopping flow thru the associated screenwell. |
| **Alternate Testing:** | Exercise and stroke time during refueling outage. |

## RELIEF REQUEST NO. SWP-VRR-2

| | |
|---|---|
| **System:** | Service Water |
| **Valve(s):** | 2SWP*V202A<br>2SWP*V1024<br>2SWP*V1025<br>2SWP*V1027 |
| **Category:** | C |
| **Class:** | 3 |
| **Function:** | Flow isolation to prevent water hammer on pump restart after trip. |
| **Quarterly Test Requirement:** | Forward and reverse flow exercise. |
| **Basis for Relief:** | Reverse flow closure of the valves during normal plant operation is accomplished by isolation of either SWP safety-related division and by tripping all pumps on the isolated division. Isolation of any division would result in an undesirable transient which could cause a trip of the turbine generator or cause a high drywell pressure condition which would lead to a reactor scram. Therefore, reverse flow closure will be performed during refueling when demand for SWP is at a minimum. |
| **Alternate Testing:** | Reverse flow exercise during refueling outages; forward flow exercise quarterly. |

## RELIEF REQUEST NO. SWP-VRR-3

| | |
|---|---|
| **System:** | Service Water |
| **Valve(s):** | 2SWP*V1002A, B |
| **Category:** | C |
| **Class:** | 3 |
| **Function:** | Service water make-up to spent fuel pool check valves. |
| **Quarterly Test Requirement:** | Verify forward flow operability. |
| **Basis for Relief:** | Full stroke forward flow exercising of these valves during any modes of operation would require injecting service water into the spent fuel pool which would have an undesirable effect on spent fuel pool chemistry. However, partial stroking of these valves can be performed without injecting water into the spent fuel pool by using installed test connections. |
| **Alternate Testing:** | Partial forward flow exercising of these valves will be performed quarterly using the installed test connections. |

# APPENDIX D

# PUMP INSERVICE TESTING PROGRAM TABLES

APPENDIX D
FIRST TEN YEAR INTERVAL
PUMP INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



| PUMP MARK NUMBER | CODE CLASS | P & ID | COORD | PARAMETERS | RELIEF | REMARKS |
|---|---|---|---|---|---|---|
| 2CSH*P1 | 2 | 33B | H-7 | INLET PRESS, DIFF PRESS, FLOW, VIB VEL | Y | GPRR-1, GPRR-2, MOTOR VIB TO BE TAKEN EVERY 92 DAYS, PER FSAR QUESTION 271-10, GPRR-3 |
| 2CSL*P1 | 2 | 32A | B-8 | INLET PRESS, DIFF PRESS, FLOW, VIB VEL | Y | GPRR-1, GPRR-2, MOTOR VIB TO BE TAKEN EVERY 92 DAYS, PER FSAR QUESTION 271-10, GPRR-3 |
| 2EGF*P1A | 3 | 104C | E-6 | INLET PRESS, DIFF PRESS, FLOW, VIB VEL | Y | GPRR-1, GPRR-2, EGF-PRR-1, GPRR-3 |
| 2EGF*P1B | 3 | 104B | E-8 | INLET PRESS, DIFF PRESS, FLOW, VIB VEL | Y | GPRR-1, GPRR-2, EGF-PRR-1, GPRR-3 |
| 2EGF*P1C | 3 | 104C | C-6 | INLET PRESS, DIFF PRESS, FLOW, VIB VEL | Y | GPRR-1, GPRR-2, EGF-PRR-1, GPRR-3 |
| 2EGF*P1D | 3 | 104B | C-8 | INLET PRESS, DIFF PRESS, FLOW, VIB VEL | Y | GPRR-1, GPRR-2, EGF-PRR-1, GPRR-3 |
| 2EGF*P2A | 3 | 104B | E-4 | INLET PRESS, DIFF PRESS, FLOW, VIB VEL | Y | GPRR-1, GPRR-2, EGF-PRR-1, GPRR-3 |
| 2EGF*P2B | 3 | 104B | C-4 | INLET PRESS, DIFF PRESS, FLOW, VIB VEL | Y | GPRR-1, GPRR-2, EGF-PRR-1, GPRR-3 |
| 2HVK*P1A | 3 | 53A | C-6 | INLET PRESS, DIFF PRESS, FLOW, VIB VEL | Y | GPRR-1, GPRR-2, GPRR-3 |
| 2HVK*P1B | 3 | 53A | C-10 | INLET PRESS, DIFF PRESS, FLOW, VIB VEL | Y | GPRR-1, GPRR-2, GPRR-3 |
| 2ICS*P1 | 2 | 35D | G-9 | SPEED, INLET PRESS, DIFF PRESS, FLOW, VIB VEL | Y | GPRR-1, GPRR-2, GPRR-3 |
| 2RHS*P1A | 2 | 31F | D-7 | INLET PRESS, DIFF PRESS, FLOW, VIB VEL | Y | GPRR-1, GPRR-2, GPRR-3, MOTOR VIB TO BE TAKEN EVERY 92 DAYS, PER FSAR QUESTION 271-10 |
| 2RHS*P1B | 2 | 31E | E-2 | INLET PRESS, DIFF PRESS, FLOW, VIB VEL | Y | GPRR-1, GPRR-2, GPRR-3, MOTOR VIB TO BE TAKEN EVERY 92 DAYS, PER FSAR QUESTION 271-10 |
| 2RHS*P1C | 2 | 31G | D-6 | INLET PRESS, DIFF PRESS, FLOW, VIB VEL | Y | GPRR-1, GPRR-2, GPRR-3, MOTOR VIB YO BE TAKEN EVERY 92 DAYS, PER FSAR QUESTION 271-10 |

APPENDIX D
FIRST TEN YEAR INTERVAL
PUMP INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



| PUMP MARK NUMBER | CODE CLASS | P & ID | COORD | PARAMETERS | RELIEF | REMARKS |
|---|---|---|---|---|---|---|
| 2SFC*P1A | 3 | 38B | E-3 | INLET PRESS, DIFF PRESS, FLOW, VIB VEL | Y | GPRR-1, GPRR-2, GPRR-3 |
| 2SFC*P1B | 3 | 38A | E-10 | INLET PRESS, DIFF PRESS, FLOW, VIB VEL | Y | GPRR-1, GPRR-2, GPRR-3 |
| 2SLS*P1A | 2 | 36A | H-5 | INLET PRESS, DIFF PRESS, FLOW, VIB VEL | Y | GPRR-1, GPRR-2, SLS-PRR-1, GPRR-3 |
| 2SLS*P1B | 2 | 36A | H-9 | INLET PRESS, DIFF PRESS, FLOW, VIB VEL | Y | GPRR-1, GPRR-2, SLS-PRR-1, GPRR-3 |
| 2SWP*P1A | 3 | 11B | C-9 | INLET PRESS, DIFF PRESS, FLOW, VIB VEL | Y | GPRR-1,GPRR-2,GPRR-3 |
| 2SWP*P1B | 3 | 11A | H-5 | INLET PRESS, DIFF PRESS, FLOW, VIB VEL | Y | GPRR-1,GPRR-2,GPRR-3 |
| 2SWP*P1C | 3 | 11A | H-10 | INLET PRESS, DIFF PRESS, FLOW, VIB VEL | Y | GPRR-1,GPRR-2,GPRR-3 |
| 2SWP*P1D | 3 | 11A | D-5 | INLET PRESS, DIFF PRESS, FLOW, VIB VEL | Y | GPRR-1,GPRR-2,GPRR-3 |
| 2SWP*P1E | 3 | 11B | H-9 | INLET PRESS, DIFF PRESS, FLOW, VIB VEL | Y | GPRR-1,GPRR-2,GPRR-3 |
| 2SWP*P1F | 3 | 11A | D-10 | INLET PRESS, DIFF PRESS, FLOW, VIB VEL | Y | GPRR-1,GPRR-2,GPRR-3 |
| 2SWP*P2A | 3 | 11J | J-6 | VIB VEL | Y | GPRR-1,GPRR-3,SWP-PRR-1 |
| 2SWP*P2B | 3 | 11J | E-6 | VIB VEL | Y | GPRR-1,GPRR-3,SWP-PRR-1 |

# APPENDIX E

# VALVE INSERVICE TESTING PROGRAM TABLES

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : AAS, BREATHING AIR

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2AAS*HCV134 | 2 | 20E | D-3 | A | P | 02.0 | GLV | MAA | LC | LC | - | Y | LJ-R, PI-T | Y | GVRR-1 |
| 2AAS*HCV135 | 2 | 20E | C-7 | A | P | 02.0 | GLV | MAA | LC | LC | - | Y | LJ-R, PI-T | Y | GVRR-1 |
| 2AAS*HCV136 | 2 | 20E | D-3 | A | P | 02.0 | GLV | MAA | LC | LC | - | Y | LJ-R, PI-T | Y | GVRR-1 |
| 2AAS*HCV137 | 2 | 20E | E-7 | A | P | 02.0 | GLV | MAA | LC | LC | - | Y | LJ-R, PI-T | Y | GVRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : CCP, REACTOR BUILDING CLOSED-LOOP COOLING WATER

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRH | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2CCP*AOV37A | 3 | 13E | J-2 | B | A | 1.50 | GTV | AOA | O | C | C | N | FE-Q, ST-Q(C), FS-Q, PI-T | N | |
| 2CCP*AOV37B | 3 | 13E | D-8 | B | A | 02.0 | GTV | AOA | O | C | C | N | FE-Q, ST-Q(C), FS-Q, PI-T | N | |
| 2CCP*AOV38A | 3 | 13E | J-4 | B | A | 1.50 | GTV | AOA | O | C | C | N | FE-Q, ST-Q(C), FS-Q, PI-T | N | |
| 2CCP*AOV38B | 3 | 13E | D-10 | B | A | 02.0 | GTV | AOA | O | C | C | N | FE-Q, ST-Q(C), FS-Q, PI-T | N | |
| 2CCP*MOV122 | 2 | 13C | J-6 | A | A | 08.0 | GTV | MOA | O | C | AI | Y | FE-CS, ST-CS(C), PI-T, LJ-R | Y | SEE GVRR-1, SEE CCP-VCS-2 |
| 2CCP*MOV124 | 2 | 13C | I-6 | A | A | 08.0 | GTV | MOA | O | C | AI | Y | FE-CS, ST-CS(C), PI-T, LJ-R | Y | SEE GVRR-1, SEE CCP-VCS-2 |
| 2CCP*MOV14A | 3 | 13E | G-7 | B | A | 12.0 | GTV | MOA | OC | C | AI | N | FE-Q, ST-Q(C), PI-T | N | |
| 2CCP*MOV14B | 3 | 13E | H-10 | B | A | 12.0 | GTV | MOA | OC | C | AI | N | FE-Q, ST-Q(C), PI-T | N | |
| 2CCP*MOV15A | 2 | 13D | K-6 | A | A | 04.0 | GTV | MOA | O | C | AI | Y | FE-CS, ST-CS(C), PI-T, LJ-R | Y | SEE GVRR-1, SEE CCP-VCS-2 |
| 2CCP*MOV15B | 2 | 13A | I-7 | A | A | 04.0 | GTV | MOA | O | C | AI | Y | FE-CS, ST-CS(C), PI-T, LJ-R | Y | SEE GVRR-1, SEE CCP-VCS-2 |
| 2CCP*MOV16A | 2 | 13D | K-7 | A | A | 04.0 | GTV | MOA | O | C | AI | Y | FE-CS, ST-CS(C), PI-T, LJ-R | Y | SEE GVRR-1, SEE CCP-VCS-2 |
| 2CCP*MOV16B | 2 | 13A | G-7 | A | A | 04.0 | GTV | MOA | O | C | AI | Y | FE-CS, ST-CS(C), PI-T, LJ-R | Y | SEE GVRR-1, SEE CCP-VCS-2 |
| 2CCP*MOV17A | 2 | 13D | C-7 | A | A | 04.0 | GTV | MOA | O | C | AI | Y | FE-CS, ST-CS(C), PI-T, LJ-R | Y | SEE GVRR-1, SEE CCP-VCS-2 |
| 2CCP*MOV17B | 2 | 13B | E-7 | A | A | 04.0 | GTV | MOA | O | C | AI | Y | FE-CS, ST-CS(C), PI-T, LJ-R | Y | SEE GVRR-1, SEE CCP-VCS-2 |
| 2CCP*MOV18A | 3 | 13E | G-5 | B | A | 12.0 | GTV | MOA | OC | C | AI | N | FE-Q, ST-Q(C), PI-T | N | |

SYSTEM : CCP, REACTOR BUILDING CLOSED-LOOP COOLING WATER

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2CCP*MOV18B | 3 | 13E | I-8 | B | A | 12.0 | GTV | MOA | OC | C | AI | N | FE-Q, ST-Q(C), PI-T | N | |
| 2CCP*MOV265 | 2 | 13C | B-6 | A | A | 08.0 | GTV | MOA | O | C | AI | Y | FE-CS, ST-CS(C), PI-T, LJ-R | Y | SEE GVRR-1, SEE CCP-VCS-2 |
| 2CCP*MOV273 | 2 | 13C | C-6 | A | A | 08.0 | GTV | MOA | O | C | AI | Y | FE-CS, ST-CS(C), PI-T, LJ-R | Y | SEE GVRR-1, SEE CCP-VCS-2 |
| 2CCP*MOV94A | 2 | 13D | C-7 | A | A | 04.0 | GTV | MOA | O | C | AI | Y | FE-CS, ST-CS(C), PI-T, LJ-R | Y | SEE GVRR-1, SEE CCP-VCS-2 |
| 2CCP*MOV94B | 2 | 13B | E-8 | A | A | 04.0 | GTV | MOA | O | C | AI | Y | FE-CS, ST-CS(C), PI-T, LJ-R | Y | SEE GVRR-1, SEE CCP-VCS-2 |
| 2CCP*RV170 | 2 | 13B | F-7 | A, C | A | 0.75 | REV | SEA | C | O | AI | Y | RT-P2, LJ-R | Y | GVRR-1 |
| 2CCP*RV171 | 2 | 13A | H-6 | A, C | A | 0.75 | REV | SEA | C | O | AI | Y | RT-P2, LJ-R | Y | GVRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : CMS, CONTAINMENT ATMOSPHERE MONITORING

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2CMS*EFV10 | 2 | 82A | I-2 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2CMS*EFV1A | 2 | 82A | I-2 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2CMS*EFV1B | 2 | 82A | E-2 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2CMS*EFV3A | 2 | 82A | J-9 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2CMS*EFV3B | 2 | 82A | D-9 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2CMS*EFV5A | 2 | 82B | I-3 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2CMS*EFV5B | 2 | 82B | C-3 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2CMS*EFV6 | 2 | 82B | I-2 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2CMS*EFV8A | 2 | 82B | I-5 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2CMS*EFV8B | 2 | 82B | C-5 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2CMS*EFV9A | 2 | 82B | I-9 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2CMS*EFV9B | 2 | 82B | C-9 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2CMS*SOV24A | 2 | 82A | H-5 | A | A | 0.75 | GLV | SOA | O | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-3, GVRR-1 |
| 2CMS*SOV24B | 2 | 82A | F-5 | A | A | 0.75 | GLV | SOA | O | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-3, GVRR-1 |
| 2CMS*SOV24C | 2 | 82A | I-5 | A | A | 0.75 | GLV | SOA | O | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-3, GVRR-1 |

SYSTEM : CMS, CONTAINMENT ATMOSPHERE MONITORING

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2CMS*SOV24D | 2 | 82A | D-5 | A | A | 0.75 | GLV | SOA | O | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-3, GVRR-1 |
| 2CMS*SOV26A | 2 | 82B | H-5 | A | A | 0.75 | GLV | SOA | O | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-3, GVRR-1 |
| 2CMS*SOV26B | 2 | 82B | D-5 | A | A | 0.75 | GLV | SOA | O | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-3, GVRR-1 |
| 2CMS*SOV26C | 2 | 82B | J-5 | A | A | 0.75 | GLV | SOA | O | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-3, GVRR-1 |
| 2CMS*SOV26D | 2 | 82B | B-5 | A | A | 0.75 | GLV | SOA | O | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-3, GVRR-1 |
| 2CMS*SOV32A | 2 | 82A | J-8 | A | A | 0.75 | GLV | SOA | OC | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-3, GVRR-1 |
| 2CMS*SOV32B | 2 | 82A | E-8 | A | A | 0.75 | GLV | SOA | OC | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-3, GVRR-1 |
| 2CMS*SOV33A | 2 | 82A | H-8 | A | A | 0.75 | GLV | SOA | O | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-3, GVRR-1 |
| 2CMS*SOV33B | 2 | 82A | F-8 | A | A | 0.75 | GLV | SOA | O | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-3, GVRR-1 |
| 2CMS*SOV34A | 2 | 82B | H-8 | A | A | 0.75 | GLV | SOA | O | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-3, GVRR-1 |
| 2CMS*SOV34B | 2 | 82B | E-8 | A | A | 0.75 | GLV | SOA | O | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-3, GVRR-1 |
| 2CMS*SOV35A | 2 | 82B | J-8 | A | A | 0.75 | GLV | SOA | OC | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-3, GVRR-1 |
| 2CMS*SOV35B | 2 | 82B | C-8 | A | A | 0.75 | GLV | SOA | OC | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-3, GVRR-1 |
| 2CMS*SOV60A | 2 | 82A | I-3 | A | A | 0.75 | GLV | SOA | O | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-3, GVRR-1 |
| 2CMS*SOV60B | 2 | 82A | D-3 | A | A | 0.75 | GLV | SOA | O | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-3, GVRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : CMS, CONTAINMENT ATMOSPHERE MONITORING

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2CMS*SOV61A | 2 | 82A | H-3 | A | A | 0.75 | GLV | SOA | O | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-3, GVRR-1 |
| 2CMS*SOV61B | 2 | 82A | F-3 | A | A | 0.75 | GLV | SOA | O | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-3, GVRR-1 |
| 2CMS*SOV62A | 2 | 82A | I-7 | A | A | 0.75 | GLV | SOA | O | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-3, GVRR-1 |
| 2CMS*SOV62B | 2 | 82A | E-7 | A | A | 0.75 | GLV | SOA | O | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-3, GVRR-1 |
| 2CMS*SOV63A | 2 | 82A | H-7 | A | A | 0.75 | GLV | SOA | O | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-3, GVRR-1 |
| 2CMS*SOV63B | 2 | 82A | F-7 | A | A | 0.75 | GLV | SOA | O | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-3, GVRR-1 |
| 2CMS*SOV74A | 2 | 82A | K-4 | A | A | 0.75 | GLV | SOA | C | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-1, GVRR-3 |
| 2CMS*SOV74B | 2 | 82A | C-4 | A | A | 0.75 | GLV | SOA | C | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-1, GVRR-3 |
| 2CMS*SOV75A | 2 | 82A | K-9 | A | A | 0.75 | GLV | SOA | C | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-1, GVRR-3 |
| 2CMS*SOV75B | 2 | 82A | C-9 | A | A | 0.75 | GLV | SOA | C | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-1, GVRR-3 |
| 2CMS*SOV76A | 2 | 82A | L-4 | A | A | 0.75 | GLV | SOA | C | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-1, GVRR-3 |
| 2CMS*SOV76B | 2 | 82A | B-4 | A | A | 0.75 | GLV | SOA | C | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-1, GVRR-3 |
| 2CMS*SOV77A | 2 | 82A | L-9 | A | A | 0.75 | GLV | SOA | C | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-1, GVRR-3 |
| 2CMS*SOV77B | 2 | 82A | B-9 | A | A | 0.75 | GLV | SOA | C | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-1, GVRR-3 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : CPS, PRIMARY CONTAINMENT PURGE

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2CPS*AOV104 | 2 | 61A | F-5 | A | A | 14.0 | BFV | AOA | C | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-1, GVRR-3 |
| 2CPS*AOV105 | 2 | 61A | F-7 | A | A | 12.0 | BFV | AOA | C | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-1, GVRR-3 |
| 2CPS*AOV106 | 2 | 61A | G-5 | A | A | 14.0 | BFV | AOA | C | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-1, GVRR-3 |
| 2CPS*AOV107 | 2 | 61A | G-7 | A | A | 12.0 | BFV | AOA | C | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-1, GVRR-3 |
| 2CPS*AOV108 | 2 | 61A | H-5 | A | A | 14.0 | BFV | AOA | C | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-1, GVRR-3 |
| 2CPS*AOV109 | 2 | 61A | H-7 | A | A | 12.0 | BFV | AOA | C | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-1 |
| 2CPS*AOV110 | 2 | 61A | J-5 | A | A | 14.0 | BFV | AOA | C | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-1 |
| 2CPS*AOV111 | 2 | 61A | J-7 | A | A | 12.0 | BFV | AOA | C | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-1 |
| 2CPS*SOV119 | 2 | 61A | E-8 | A | A | 02.0 | GLV | SOA | C | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-1, GVRR-3 |
| 2CPS*SOV120 | 2 | 61A | E-5 | A | A | 02.0 | GLV | SOA | C | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-1, GVRR-3 |
| 2CPS*SOV121 | 2 | 61A | G-8 | A | A | 02.0 | GLV | SOA | C | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-1, GVRR-3 |
| 2CPS*SOV122 | 2 | 61A | G-5 | A | A | 02.0 | GLV | SOA | C | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-1, GVRR-3 |
| 2CPS*SOV132 | 2 | 61A | F-8 | A | A | 01.0 | GLV | SOA | C | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-1, GVRR-3 |
| 2CPS*SOV133 | 2 | 61A | K-8 | A | A | 01.0 | GLV | SOA | C | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-1 |
| 2CPS*V50 | 2 | 61A | F-8 | A, C | A | 1.50 | CHV | SEA | C | C | - | Y | FE-Q(R), LJ-R | Y | GVRR-1 |

SYSTEM : CPS, PRIMARY CONTAINMENT PURGE

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2CPS*V51 | 2 | 61A | J-8 | A, C | A | 1.50 | CHV | SEA | C | C | - | Y | FE-0(R), LJ-R | Y | GVRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : CSH, HIGH-PRESSURE CORE SPRAY (HPCS)

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2CSH*AOV108 | 1 | 33A | I-2 | A, C | A | 12.0 | TCV | SEA | C | OC | - | Y | FE-CS(F&R), PI-T, LJ-R, LK-R | Y | GVRR-1, SEE CSH-VCS-1 |
| 2CSH*EFV1 | 2 | 33A | G-6 | A, C | A | 02.0 | CHV | SEA | O | C | - | N | PI-T, FE-R(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2CSH*EFV2 | 2 | 33A | G-6 | A, C | A | 02.0 | CHV | SEA | O | C | - | N | PI-T, FE-R(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2CSH*EFV3 | 2 | 33A | H-3 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-R(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2CSH*MOV101 | 2 | 33B | D-9 | B | A | 14.0 | GTV | MOA | O | OC | AI | N | FE-Q, ST-Q(O&C), PI-T | N | |
| 2CSH*MOV105 | 2 | 33B | G-5 | A | A | 04.0 | GTV | MOA | C | OC | AI | Y | PI-T, LJ-R, FE-Q, ST-Q(O&C) | Y | GVRR-1, GVRR-3 |
| 2CSH*MOV107 | 1 | 33A | G-2 | A | A | 12.0 | GTV | MOA | C | OC | AI | Y | FE-CS, ST-CS(O&C), PI-T, LJ-R, LK-R | Y | GVRR-1,SEE CSH-VCS-2 |
| 2CSH*MOV110 | 2 | 33B | G-3 | B | A | 20.0 | GLV | MOA | C | C | AI | N | FE-Q, ST-Q(C), PI-T | N | |
| 2CSH*MOV111 | 2 | 33A | F-4 | A | A | 12.0 | GLV | MOA | C | C | AI | Y | FE-Q, ST-Q(C), PI-T, LJ-R | Y | GVRR-1 |
| 2CSH*MOV112 | 2 | 33B | F-3 | B | A | 20.0 | GLV | MOA | C | C | AI | N | PI-T, FE-Q, ST-Q(C) | N | |
| 2CSH*MOV118 | 2 | 33A | J-9 | A | A | 18.0 | GLV | MOA | C | OC | AI | Y | FE-Q, ST-Q(O&C), PI-T, LJ-R | Y | GVRR-1 |
| 2CSH*RV113 | 2 | 33B | F-8 | C | A | 0.75 | REV | SEA | C | O | AI | N | RT-P2 | N | |
| 2CSH*RV114 | 2 | 33B | J-5 | C | A | 0.75 | REV | SEA | C | O | AI | N | RT-P2 | N | |
| 2CSH*V16 | 2 | 33A | I-10 | C | A | 30.0 | CHV | SEA | OC | OC | - | N | FE-CS(F&R) | N | |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : CSH, HIGH-PRESSURE CORE SPRAY (HPCS)

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2CSH*V17 | 2 | 33B | J-8 | C | A | 03.0 | CHV | SEA | OC | C | - | N | FE-Q(R) | N | SATISFACTORY COMPLETION OF THE QUARTERLY PUMP TEST VERIFIES ACCEPTABLE OPERATION OF THIS VALVE. |
| 2CSH*V55 | 2 | 33B | J-8 | C | A | 03.0 | CHV | SEA | OC | C | - | N | FE-Q(R) | N | SATISFACTORY COMPLETION OF THE QUARTERLY PUMP TEST VERIFIES ACCEPTABLE OPERATION OF THIS VALVE. |
| 2CSH*V59 | 2 | 33B | D-9 | C | A | 14.0 | CHV | SEA | O | OC | - | N | FE-Q(F), FE-R(R) | Y | SEE CSH-VRR-1 |
| 2CSH*V7 | 2 | 33B | E-5 | C | A | 04.0 | CHV | SEA | C | O | - | N | FE-Q(F) | N | |
| 2CSH*V9 | 2 | 33B | I-5 | C | A | 16.0 | CHV | SEA | C | O | - | N | FE-Q(F&R) | N | |

SYSTEM : CSL, LOW-PRESSURE CORE SPRAY (LPCS)

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2CSL*AOV101 | 1 | 32A | I-3 | A, C | A | 12.0 | TCV | SEA | C | OC | AI | Y | FE-CS(F&R), LK-R, LJ-R, PI-T | Y | GVRR-1, SEE CSL-VCS-1 |
| 2CSL*EFV1 | 2 | 32A | H-5 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2CSL*FV114 | 2 | 32A | E-4 | B | A | 12.0 | GTV | MOA | O | O | AI | N | FE-Q, ST-Q(C), PI-T | N | |
| 2CSL*MOV104 | 1 | 32A | H-3 | A | A | 12.0 | GTV | MOA | C | OC | AI | Y | FE-CS, ST-CS(O&C), LK-R, LJ-R, PI-T | Y | GVRR-1, CSL-VCS-1 |
| 2CSL*MOV107 | 2 | 32A | C-5 | B | A | 04.0 | GTV | MOA | O | OC | AI | N | FE-Q, ST-Q(C), PI-T | N | |
| 2CSL*MOV112 | 2 | 32A | G-9 | A | A | 30.0 | BFV | MOA | O | OC | AI | Y | FE-Q, ST-Q(C), PI-T, LJ-R | Y | GVRR-1 |
| 2CSL*V14 | 2 | 32A | D-6 | C | A | 02.0 | CHV | SEA | OC | O | - | N | FE-Q(R) | N | SATISFACTORY COMPLETION OF THE QUARTERLY PUMP TEST VERIFIES ACCEPTABLE OPERATION OF THIS VALVE. |
| 2CSL*V21 | 2 | 32A | D-6 | C | A | 02.0 | CHV | SEA | OC | O | - | N | FE-Q(R) | N | SATISFACTORY COMPLETION OF THE QUARTERLY PUMP TEST VERIFIES ACCEPTABLE OPERATION OF THIS VALVE. |
| 2CSL*V4 | 2 | 32A | B-3 | C | A | 16.0 | CHV | SEA | C | O | - | N | FE-Q(F) | N | |
| 2CSL*V9 | 2 | 32A | E-5 | C | A | 12.0 | CHV | SEA | O | C | - | N | FE-Q(F&R) | N | |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : DER, REACTOR BUILDING EQUIPMENT DRAINS

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2DER*EFV31 | 2 | 67A | B-6 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2DER*MOV119 | 2 | 67A | C-3 | A | A | 04.0 | GTV | MOA | O | C | AI | Y | FE-Q, ST-Q(C), PI-T, LJ-R | Y | GVRR-1 |
| 2DER*MOV120 | 2 | 67A | C-3 | A | A | 04.0 | GTV | MOA | O | C | AI | Y | FE-Q, ST-Q(C), PI-T, LJ-R | Y | GVRR-1 |
| 2DER*MOV130 | 2 | 67A | C-2 | A | A | 02.0 | GLV | MOA | O | C | AI | Y | FE-Q, ST-Q(C), PI-T, LJ-R | Y | GVRR-1 |
| 2DER*MOV131 | 2 | 67A | C-2 | A | A | 02.0 | GLV | MOA | O | C | AI | Y | FE-Q, ST-Q(C), PI-T, LJ-R | Y | GVRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : DFR, REACTOR BUILDING FLOOR DRAINS

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2DFR*HOV120 | 2 | 63E | E-7 | A | A | 06.0 | GTV | MOA | O | C | AI | Y | FE-Q, ST-Q(C), PI-T, LJ-R | Y | GVRR-1 |
| 2DFR*HOV121 | 2 | 63E | F-7 | A | A | 06.0 | GTV | MOA | O | C | AI | Y | FE-Q, ST-Q(C), PI-T, LJ-R | Y | GVRR-1 |
| 2DFR*HOV139 | 2 | 63E | E-6 | A | A | 03.0 | GTV | MOA | O | C | AI | Y | FE-Q, ST-Q(C), PI-T, LJ-R | Y | GVRR-1 |
| 2DFR*HOV140 | 2 | 63E | F-6 | A | A | 03.0 | GTV | MOA | O | C | AI | Y | FE-Q, ST-Q(C), PI-T, LJ-R | Y | GVRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : EGA, AIR STARTUP - STANDBY DIESEL GENERATOR

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2EGA*RV125 | 3 | 104A | G-3 | C | A | 40.0 | REV | SEA | C | O | - | N | RT-P2 | N | |
| 2EGA*RV126 | 3 | 104A | H-8 | C | A | 40.0 | REV | SEA | C | O | - | N | RT-P2 | N | |
| 2EGA*RV127 | 3 | 104A | L-6 | C | A | 22.0 | REV | SEA | C | O | - | N | RT-P2 | N | |
| 2EGA*SV111 | 3 | 104A | H-6 | C | A | 01.0 | REV | SEA | C | O | - | N | RT-P2 | N | |
| 2EGA*SV112 | 3 | 104A | H-5 | C | A | 01.0 | REV | SEA | C | O | - | N | RT-P2 | N | |
| 2EGA*SV3A | 3 | 104A | C-2 | C | A | 01.0 | REV | SEA | C | O | - | N | RT-P2 | N | |
| 2EGA*SV3B | 3 | 104A | C-8 | C | A | 01.0 | REV | SEA | C | O | - | N | RT-P2 | N | |
| 2EGA*SV4A | 3 | 104A | C-4 | C | A | 01.0 | REV | SEA | C | O | - | N | RT-P2 | N | |
| 2EGA*SV4B | 3 | 104A | C-9 | C | A | 01.0 | REV | SEA | C | O | - | N | RT-P2 | N | |
| 2EGA*V29A | 3 | 104A | G-6 | C | A | 01.0 | CHV | SEA | OC | C | - | N | FE-Q(R) | N | |
| 2EGA*V29B | 3 | 104A | G-5 | C | A | 01.0 | CHV | SEA | OC | C | - | N | FE-Q(R) | N | |
| 2EGA*V62A | 3 | 104A | C-5 | C | A | 1.50 | CHV | SEA | OC | C | - | N | FE-Q(R) | N | |
| 2EGA*V62B | 3 | 104A | C-3 | C | A | 1.50 | CHV | SEA | OC | C | - | N | FE-Q(R) | N | |
| 2EGA*V63A | 3 | 104A | C-10 | C | A | 1.50 | CHV | SEA | OC | C | - | N | FE-Q(R) | N | |
| 2EGA*V63B | 3 | 104A | C-8 | C | A | 1.50 | CHV | SEA | OC | C | - | N | FE-Q(R) | N | |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : EGF, STANDBY DIESEL GEN

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRH | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2EGF*V12 | 3 | 104C | D-4 | C | A | 01.0 | CHV | SEA | C | O | - | N | FE-Q(F&R) | N | |
| 2EGF*V13 | 3 | 104C | F-5 | C | A | 01.0 | CHV | SEA | C | O | - | N | FE-Q(F&R) | N | |
| 2EGF*V32 | 3 | 104B | D-6 | C | A | 01.0 | CHV | SEA | C | O | - | N | FE-Q(F&R) | N | |
| 2EGF*V33 | 3 | 104B | F-7 | C | A | 01.0 | CHV | SEA | C | O | - | N | FE-Q(F&R) | N | |
| 2EGF*V52 | 3 | 104B | D-2 | C | A | 01.0 | CHV | SEA | C | O | - | N | FE-Q(F&R) | N | |
| 2EGF*V53 | 3 | 104B | F-2 | C | A | 01.0 | CHV | SEA | C | O | - | N | FE-Q(F&R) | N | |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : FPW, FIRE PROTECTION - WATER

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2FPW*SOV218 | 2 | 43G | E-8 | A | P | 02.0 | GTV | SEA | C | C | C | Y | LJ-R, PI-T | Y | GVRR-1 |
| 2FPW*SOV219 | 2 | 43G | E-7 | A | P | 02.0 | GTV | SEA | C | C | C | Y | LJ-R, PI-T | Y | GVRR-1 |
| 2FPW*SOV220 | 2 | 43G | D-8 | A | P | 02.0 | GTV | SEA | C | C | C | Y | LJ-R, PI-T | Y | GVRR-1 |
| 2FPW*SOV221 | 2 | 43G | D-7 | A | P | 02.0 | GTV | SEA | C | C | C | Y | LJ-R, PI-T | Y | GVRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : FWS, FEEDWATER SYSTEM

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2FWS*AOV23A | 1 | 6B | G-2 | A, C | A | 24.0 | TCV | SEA | O | C | - | Y | FE-CS(R), PI-T, LJ-R | Y | SEE FWS-VCS-1, SEE GVRR-1 |
| 2FWS*AOV23B | 1 | 6B | G-6 | A, C | A | 24.0 | TCV | SEA | O | C | - | Y | FE-CS(R), PI-T, LJ-R | Y | SEE FWS-VCS-1, SEE GVRR-1 |
| 2FWS*MOV21A | 1 | 6B | E-2 | A | A | 24.0 | GTV | MOA | O | C | AI | Y | FE-CS, ST-CS(C), PI-T | Y | SEE FWS-VCS-2, SEE GVRR-1 |
| 2FWS*MOV21B | 1 | 6B | E-6 | A | A | 24.0 | GTV | MOA | O | C | AI | Y | FE-CS, ST-CS(C), PI-T | Y | SEE FWS-VCS-2, SEE GVRR-1 |
| 2FWS*V12A | 1 | 6B | H-2 | A, C | A | 24.0 | CHV | SEA | O | C | - | Y | FE-R(R), LJ-R | Y | SEE FWS-VRR-1, SEE GVRR-1 |
| 2FWS*V12B | 1 | 6B | H-2 | A, C | A | 24.0 | CHV | SEA | O | C | - | Y | FE-R(R), LJ-R | Y | SEE FWS-VRR-1, SEE GVRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : GSN, N2 INSERTING

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2GSN*SOV166 | 2 | 105B | J-7 | A | A | 01.0 | GLV | SOA | O | C | C | Y | FE-Q, ST-Q(C), FS-Q, LJ-R, PI-T | Y | GVRR-3, GVRR-1 |
| 2GSN*V170 | 2 | 105B | K-7 | A, C | A | 00.5 | CHV | SEA | O | C | - | Y | FE-R(R), LJ-R | Y | GSN-VRR-1, GVRR-1 |
| 2GSN*V70A | 3 | 105B | K-2 | C | A | 01.0 | CHV | SEA | CO | C | N | N | FE-Q(R) | N | |
| 2GSN*V70B | 3 | 105B | K-4 | C | A | 01.0 | CHV | SEA | CO | C | N | N | FE-Q(R) | N | |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : GTS, STANDBY GAS TREATMENT

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2GTS*AOV101 | 2 | 61B | B-9 | B | A | 30.0 | BFV | AOA | C | C | C | N | FE-Q, ST-Q(O&C), FS-Q, PI-T | N | |
| 2GTS*MOV1A | 2 | 61B | C-4 | B | A | 30.0 | BFV | MOA | C | O | AI | N | FE-Q, ST-Q(O), PI-T | N | |
| 2GTS*MOV1B | 2 | 61B | B-5 | B | A | 30.0 | BFV | MOA | C | O | AI | N | FE-Q, ST-Q(O), PI-T | N | |
| 2GTS*MOV28A | 2 | 61B | C-8 | B | A | 08.0 | BFV | MOA | O | C | C | N | FE-Q, ST-Q(O&C), FS-Q, PI-T | N | |
| 2GTS*MOV28B | 2 | 61B | J-4 | B | A | 08.0 | BFV | MOA | O | C | C | N | FE-Q, ST-Q(O&C), FS-Q, PI-T | N | |
| 2GTS*MOV2A | 2 | 61B | D-8 | B | A | 30.0 | BFV | MOA | C | OC | C | N | FE-Q, ST-Q(O&C), FS-Q, PI-T | N | |
| 2GTS*MOV2B | 2 | 61B | D-4 | B | A | 30.0 | BFV | MOA | C | OC | C | N | FE-Q, ST-Q(O&C), FS-Q, PI-T | N | |
| 2GTS*MOV3A | 2 | 61B | K-8 | B | A | 30.0 | BFV | MOA | C | OC | C | N | FE-Q, ST-Q(O&C), FS-Q, PI-T | N | |
| 2GTS*MOV3B | 2 | 61B | K-3 | B | A | 30.0 | BFV | MOA | C | OC | C | N | FE-Q, ST-Q(O&C), FS-Q, PI-T | N | |
| 2GTS*MOV4A | 2 | 61B | D-8 | B | A | 08.0 | GTV | MOA | OC | OC | AI | N | FE-Q, ST-Q(O&C), PI-T | N | |
| 2GTS*MOV4B | 2 | 61B | D-4 | B | A | 08.0 | GTV | MOA | OC | OC | AI | N | FE-Q, ST-Q(O&C), PI-T | N | |
| 2GTS*SOV102 | 2 | 61B | B-8 | B | A | 02.0 | GLV | SOA | C | C | C | N | FE-Q, ST-Q(O&C), FS-Q, PI-T | Y | SEE GVRR-3 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : HCS, DBA HYDROGEN RECOMBINER

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2HCS*MOV1A | 2 | 62A | D-8 | A | A | 03.0 | GLV | MOA | C | OC | AI | Y | FE-Q, ST-Q(O&C), PI-T, LJ-R | Y | GVRR-1 |
| 2HCS*MOV1B | 2 | 62A | I-8 | A | A | 03.0 | GLV | MOA | C | OC | AI | Y | FE-Q, ST-Q(O&C), PI-T, LJ-R | Y | GVRR-1 |
| 2HCS*MOV25A | 2 | 62B | J-5 | B | A | 03.0 | GTV | MOA | C | O | AI | N | FE-Q, ST-Q(O), PI-T | N | |
| 2HCS*MOV25B | 2 | 62B | C-10 | B | A | 03.0 | GTV | MOA | C | O | AI | N | FE-Q, ST-Q(O), PI-T | N | |
| 2HCS*MOV26A | 2 | 62B | I-3 | B | A | 01.0 | GTV | MOA | C | O | AI | N | FE-S, ST-S(O), PI-T | N | HCS-VRR-1 |
| 2HCS*MOV26B | 2 | 62B | C-7 | B | A | 01.0 | GTV | MOA | C | O | AI | N | FE-S, ST-S(O), PI-T | N | HCS-VRR-1 |
| 2HCS*MOV2A | 2 | 62A | D-6 | A | A | 03.0 | GLV | MOA | C | OC | AI | Y | FE-Q, ST-Q(O&C), PI-T, LJ-R | Y | GVRR-1 |
| 2HCS*MOV2B | 2 | 62A | I-6 | A | A | 03.0 | GLV | MOA | C | OC | AI | Y | FE-Q, ST-Q(O&C), PI-T, LJ-R | Y | GVRR-1 |
| 2HCS*MOV3A | 2 | 62A | D-4 | A | A | 03.0 | GLV | MOA | C | OC | AI | Y | FE-Q, ST-Q(O&C), PI-T, LJ-R | Y | GVRR-1 |
| 2HCS*MOV3B | 2 | 62A | I-4 | A | A | 03.0 | GLV | MOA | C | OC | AI | Y | FE-Q, ST-Q(O&C), PI-T, LJ-R | Y | GVRR-1 |
| 2HCS*MOV4A | 2 | 62A | F-8 | A | A | 03.0 | GLV | MOA | C | OC | AI | Y | FE-Q, ST-Q(O&C), PI-T, LJ-R | Y | GVRR-1 |
| 2HCS*MOV4B | 2 | 62A | H-8 | A | A | 03.0 | GLV | MOA | C | OC | AI | Y | FE-Q, ST-Q(O&C), PI-T, LJ-R | Y | GVRR-1 |
| 2HCS*MOV5A | 2 | 62A | F-6 | A | A | 03.0 | GLV | MOA | C | OC | AI | Y | FE-Q, ST-Q(O&C), PI-T, LJ-R | Y | GVRR-1 |
| 2HCS*MOV5B | 2 | 62A | H-6 | A | A | 03.0 | GLV | MOA | C | OC | AI | Y | FE-Q, ST-Q(O&C), PI-T, LJ-R | Y | GVRR-1 |
| 2HCS*MOV6A | 2 | 62A | F-4 | A | A | 03.0 | GLV | MOA | C | OC | AI | Y | FE-Q, ST-Q(O&C), PI-T, LJ-R | Y | GVRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : HCS, DBA HYDROGEN RECOMBINER

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2HCS*MOV6B | 2 | 62A | G-4 | A | A | 03.0 | GLV | MOA | C | OC | AI | Y | FE-Q, ST-Q(O&C), PI-T, LJ-R | Y | GVRR-1 |
| 2HCS*SOV10A | 2 | 62A | A-3 | B | A | 01.0 | GLV | SOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q(O), PI-T | Y | GVRR-3 |
| 2HCS*SOV10B | 2 | 62A | L-3 | B | A | 01.0 | GLV | SOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q(O), PI-T | Y | GVRR-3 |
| 2HCS*SOV11A | 2 | 62A | A-8 | B | A | 01.0 | GLV | SOA | O | C | C | N | FE-Q, ST-Q(C), FS-Q(C), PI-T | Y | GVRR-3 |
| 2HCS*SOV11B | 2 | 62A | L-8 | B | A | 01.0 | GLV | SOA | O | C | C | N | FE-Q, ST-Q(C), FS-Q(C), PI-T | Y | GVRR-3 |

SYSTEM : HVC, CONTROL BUILDING AIR-CONDITIONING

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2HVC*MOV1A | 3 | 53B | I-7 | B | A | 18.0 | BFV | MOA | O | C | AI | N | FE-Q, ST-Q(C), PI-T | N | |
| 2HVC*MOV1B | 3 | 53B | I-6 | B | A | 18.0 | BFV | MOA | O | C | AI | N | FE-Q, ST-Q(C), PI-T | N | |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : HVK, CONTROL BUILDING CHILLED WATER

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE | C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2HVK*SOV36A | 3 | 53A | F-3 | B | A | 03.0 | GLV | SOA | O | C | C | N | | FE-Q, ST-Q(C), FS-Q, PI-T | N | |
| 2HVK*SOV36B | 3 | 53A | F-8 | B | A | 03.0 | GLV | SOA | O | C | C | N | | FE-Q, ST-Q(C), FS-Q, PI-T | N | |
| 2HVK*V105 | 3 | 53A | B-10 | C | A | 06.0 | CHV | SEA | OC | O | - | N | | FE-Q(F&R) | N | |
| 2HVK*V106 | 3 | 53A | B-5 | C | A | 06.0 | CHV | SEA | OC | O | - | N | | FE-Q(F&R) | N | |
| 2HVK*V12 | 3 | 53A | I-10 | C | A | 0.75 | CHV | SEA | OC | C | - | N | | FE-Q(R) | N | |
| 2HVK*V158 | 3 | 53A | F-2 | C | A | 03.0 | CHV | SEA | OC | C | - | N | | FE-Q(F&R) | N | |
| 2HVK*V163 | 3 | 53A | F-7 | C | A | 03.0 | CHV | SEA | OC | C | - | N | | FE-Q(F&R) | N | |
| 2HVK*V95 | 3 | 53A | I-5 | C | A | 0.75 | CHV | SEA | OC | C | - | N | | FE-Q(R) | N | |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : IAS, INSTRUMENT AIR

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2IAS*EFV200 | 2 | 19E | H-10 | A,C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2IAS*EFV201 | 2 | 19E | D-5 | A,C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2IAS*EFV202 | 2 | 19E | G-5 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2IAS*EFV203 | 2 | 19F | I-8 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2IAS*EFV204 | 2 | 19F | K-4 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2IAS*EFV205 | 2 | 19F | B-4 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2IAS*EFV206 | 2 | 19F | K-9 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2IAS*PSE141 | 3 | 19L | G-8 | C | A | 1.0 | RD | SEA | C | O | O | N | RD-P3 | N | REPLACE EVERY 5YRS - REF OM-1,1981 |
| 2IAS*PSE142 | 3 | 19L | G-10 | C | A | 1.0 | RD | SEA | C | O | O | N | RD-P3 | N | REPLACE EVERY 5YRS - REF OM-1,1981 |
| 2IAS*PSE143 | 3 | 19L | G-3 | C | A | 1.0 | RD | SEA | C | O | O | N | RD-P3 | N | REPLACE EVERY 5YRS - REF OM-1,1981 |
| 2IAS*PSE144 | 3 | 19L | G-6 | C | A | 1.0 | RD | SEA | C | O | O | N | RD-P3 | N | REPLACE EVERY 5YRS - REF OM-1,1981 |
| 2IAS*PSE145 | 3 | 19M | F-8 | C | A | 1.0 | RD | SEA | C | O | O | N | RD-P3 | N | REPLACE EVERY 5YRS - REF OM-1,1981 |
| 2IAS*PSE146 | 3 | 19M | F-10 | C | A | 1.0 | RD | SEA | C | O | O | N | RD-P3 | N | REPLACE EVERY 5YRS - REF OM-1,1981 |
| 2IAS*PSE147 | 3 | 19L | F-3 | C | A | 1.0 | RD | SEA | C | O | O | N | RD-P3 | N | REPLACE EVERY 5YRS - REF OM-1,1981 |
| 2IAS*PSE148 | 3 | 19L | F-5 | C | A | 1.0 | RD | SEA | C | O | O | N | RD-P3 | N | REPLACE EVERY 5YRS - REF OM-1,1981 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : IAS, INSTRUMENT AIR

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2IAS*SOV164 | 2 | 19D | C-10 | A | A | 1.50 | GLV | SOA | O | OC | C | Y | FE-Q, ST-Q(O&C), FS-Q, PI-T, LJ-R | Y | GVRR-1, GVRR-3 |
| 2IAS*SOV165 | 2 | 19F | C-10 | A | A | 1.50 | GLV | SOA | O | C | C | Y | FE-Q, ST-Q(O&C), FS-Q, PI-T, LJ-R | Y | GVRR-1, GVRR-3 |
| 2IAS*SOV166 | 2 | 19D | C-8 | A | A | 1.50 | GLV | SOA | O | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-1, GVRR-3 |
| 2IAS*SOV167 | 2 | 19G | C-7 | A | A | 1.50 | GLV | SOA | O | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-1, GVRR-3 |
| 2IAS*SOV168 | 2 | 19G | C-5 | A | A | 1.50 | GLV | SOA | O | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-1, GVRR-3 |
| 2IAS*SOV180 | 2 | 19G | D-5 | A | A | 1.50 | GLV | SOA | O | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-1, GVRR-3 |
| 2IAS*SOV184 | 2 | 19D | E-8 | A | A | 1.50 | GLV | SOA | O | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-1, GVRR-3 |
| 2IAS*SOV185 | 2 | 19G | D-7 | A | A | 1.50 | GLV | SOA | O | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-1, GVRR-3 |
| 2IAS*SOVX181 | 3 | 19D | J-3 | B | A | 1.50 | GLV | SOA | OC | O | C | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GVRR-3 |
| 2IAS*SOVX186 | 3 | 19D | J-7 | B | A | 1.50 | GLV | SOA | OC | O | C | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GVRR-3 |
| 2IAS*SOVY181 | 3 | 19D | J-4 | B | A | 0.75 | GLV | SOA | OC | O | C | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GVRR-3 |
| 2IAS*SOVY186 | 3 | 19D | J-8 | B | A | 0.75 | GLV | SOA | OC | O | C | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GVRR-3 |
| 2IAS*SV19A | 3 | 19D | I-3 | C | A | 0.75 | REV | SEA | C | O | - | N | RT-P2 | N | |
| 2IAS*SV19B | 3 | 19D | I-7 | C | A | 0.75 | REV | SEA | C | O | - | N | RT-P2 | N | |
| 2IAS*V1601 | 3 | 19L | D-6 | A,C | A | 1.5 | CHV | SEA | O | C | C | N | FE-R(F&R) | Y | SEE IAS-VRR-2 |
| 2IAS*V1602 | 3 | 19L | D-9 | A,C | A | 1.5 | CHV | SEA | O | C | C | N | FE-R(F&R), LK-R | Y | SEE IAS-VRR-2 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : IAS, INSTRUMENT AIR

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2IAS*V1603 | 3 | 19L | D-2 | A,C | A | 1.5 | CHV | SEA | O | C | C | N | FE-R(F&R), LK-R | Y | SEE IAS-VRR-2 |
| 2IAS*V1604 | 3 | 19L | D-4 | A,C | A | 1.5 | CHV | SEA | O | C | C | N | FE-R(F&R), LK-R | Y | SEE IAS-VRR-2 |
| 2IAS*V1605 | 3 | 19H | H-7 | A,C | A | 1.5 | CHV | SEA | O | C | C | N | FE-R(F&R), LK-R | Y | SEE IAS-VRR-2 |
| 2IAS*V1606 | 3 | 19H | H-9 | A,C | A | 1.5 | CHV | SEA | O | C | C | N | FE-R(F&R), LK-R | Y | SEE IAS-VRR-2 |
| 2IAS*V1607 | 3 | 19H | H-2 | A,C | A | 1.5 | CHV | SEA | O | C | C | N | FE-R(F&R), LK-R | Y | SEE IAS-VRR-2 |
| 2IAS*V1608 | 3 | 19H | H-4 | A,C | A | 1.5 | CHV | SEA | O | C | C | N | FE-R(F&R), LK-R | Y | SEE IAS-VRR-2 |
| 2IAS*V421 | 3 | 19E | C-4 | A, C | A | 01.2 | CHV | SEA | OC | C | - | N | FE-R(F&R), LK-R | Y | IAS-VRR-2 |
| 2IAS*V431 | 3 | 19E | F-4 | A, C | A | 01.2 | CHV | SEA | OC | C | - | N | FE-R(F&R), LK-R | Y | IAS-VRR-2 |
| 2IAS*V448 | 2 | 19D | E-10 | A, C | A | 1.50 | CHV | SEA | O | C | - | Y | FE-R(F&R), LJ-R | Y | SEE GVRR-1, SEE IAS-VRR-1 |
| 2IAS*V449 | 2 | 19F | D-10 | A, C | A | 1.50 | CHV | SEA | O | C | - | Y | FE-R(F&R), LJ-R | Y | SEE GVRR-1, SEE IAS-VRR-1 |
| 2IAS*V471 | 3 | 19E | G-10 | A, C | A | 01.2 | CHV | SEA | OC | C | - | N | FE-R(F&R), LK-R | Y | IAS-VRR-2 |
| 2IAS*V526 | 3 | 19F | C-4 | A, C | A | 01.2 | CHV | SEA | OC | C | - | N | FE-R(F&R), LK-R | Y | IAS-VRR-2 |
| 2IAS*V546 | 3 | 19F | J-4 | A, C | A | 01.2 | CHV | SEA | OC | C | - | N | FE-R(F&R), LK-R | Y | IAS-VRR-2 |
| 2IAS*V571 | 3 | 19F | G-8 | A, C | A | 01.2 | CHV | SEA | OC | C | - | N | FE-R(F&R), LK-R | Y | IAS-VRR-2 |
| 2IAS*V581 | 3 | 19F | J-8 | A, C | A | 01.2 | CHV | SEA | OC | C | - | N | FE-R(F&R), LK-R | Y | IAS-VRR-2 |

SYSTEM : ICS, REACTOR CORE ISOLATION COOLING (RCIC)

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2ICS*AOV109 | 2 | 35B | F-8 | B | A | 02.0 | GLV | AOA | OC | C | C | N | FE-Q, ST-Q(C), FS-Q, PI-T | Y | SEE GVRR-3 |
| 2ICS*AOV110 | 2 | 35B | E-8 | B | A | 02.0 | GLV | AOA | OC | C | C | N | FE-Q, ST-Q(C), FS-Q, PI-T | Y | SEE GVRR-3 |
| 2ICS*AOV130 | 2 | 35C | D-10 | B | A | 02.0 | GLV | AOA | O | C | C | N | FE-Q, ST-Q(C), FS-Q, PI-T | N | |
| 2ICS*AOV131 | 2 | 35C | D-10 | B | A | 02.0 | GLV | AOA | O | C | C | N | FE-Q, ST-Q(C), FS-Q, PI-T | N | |
| 2ICS*AOV156 | 1 | 35C | G-3 | A, C | A | 06.0 | TCV | SEA | C | OC | N | Y | FE-CS(F&R), LJ-R, PI-T, LK-R | Y | SEE GVRR-1, SEE ICS-VCS-2 |
| 2ICS*AOV157 | 1 | 35C | J-3 | A, C | A | 06.0 | TCV | SEA | C | OC | N | Y | FE-CS(F&R), LJ-R, PI-T, LK-R | Y | SEE GVRR-1, SEE ICS-VCS-2 |
| 2ICS*EFV1 | 2 | 35A | H-4 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2ICS*EFV2 | 2 | 35A | H-4 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | LJ-R, PI-T, FE-Q(F) | Y | GVRR-2, GVRR-1 |
| 2ICS*EFV3 | 2 | 35A | H-5 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2ICS*EFV4 | 2 | 35A | H-5 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2ICS*MOV116 | 2 | 35C | D-4 | B | A | 02.0 | GLV | MOA | C | O | AI | N | FE-Q, ST-Q(O), PI-T | N | |
| 2ICS*MOV120 | 2 | 35C | C-9 | B | A | 04.0 | GLV | MOA | C | O | AI | N | FE-Q, ST-Q(O), PI-T | N | |
| 2ICS*MOV121 | 1 | 35A | C-4 | A | A | 20.0 | GTV | MOA | O | OC | AI | Y | FE-Q, ST-Q(C), LJ-R, PI-T | Y | GVRR-1 |
| 2ICS*MOV122 | 2 | 35A | G-7 | A | A | 12.0 | GTV | MOA | O | OC | AI | Y | FE-Q, ST-Q(C), PI-T, LJ-R | Y | GVRR-1 |
| 2ICS*MOV124 | 2 | 35D | C-3 | B | A | 04.0 | GTV | MOA | C | C | AI | N | PI-T, FE-Q, ST-Q(C) | N | |

SYSTEM : ICS, REACTOR CORE ISOLATION COOLING (RCIC)

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2ICS*MOV126 | 1 | 35C | G-3 | A | A | 06.0 | GTV | MOA | C | OC | AI | Y | FE-CS, ST-CS(C), LJ-R, PI-T | Y | SEE GVRR-1, SEE ICS-VCS-1 |
| 2ICS*MOV128 | 1 | 35A | G-5 | A | A | 20.0 | GTV | MOA | O | OC | AI | Y | FE-CS, ST-CS(C), LJ-R, PI-T | Y | SEE ICS-VCS-3, GVRR-1 |
| 2ICS*MOV129 | 2 | 35D | I-5 | B | A | 06.0 | GTV | MOA | OC | OC | AI | N | FE-Q, ST-Q(O&C), PI-T | N | |
| 2ICS*MOV136 | 2 | 35A | I-10 | A | A | 06.0 | GTV | MOA | C | OC | AI | Y | FE-Q, ST-Q(O&C), PI-T, LJ-R | Y | GVRR-1 |
| 2ICS*MOV143 | 2 | 35A | F-7 | A | A | 02.0 | GLV | MOA | C | OC | AI | Y | FE-Q, ST-Q(O&C), PI-T, LJ-R | Y | GVRR-1, GVRR-3 |
| 2ICS*MOV148 | 2 | 35A | I-7 | A | A | 1.50 | GLV | MOA | O | OC | AI | Y | FE-Q, ST-Q(O&C), PI-T, LJ-R | Y | GVRR-1 |
| 2ICS*MOV159 | 2 | 35B | K-9 | B | A | 01.0 | GLV | MOA | C | O | AI | N | FE-Q, ST-Q(O), PI-T | N | |
| 2ICS*MOV164 | 2 | 35A | H-6 | A | A | 1.50 | GLV | MOA | O | OC | AI | Y | FE-Q, ST-Q(C), PI-T, LJ-R | Y | GVRR-1 |
| 2ICS*MOV170 | 2 | 35A | D-5 | A | A | 01.0 | GLV | MOA | OC | C | AI | Y | FE-Q, ST-Q(C), PI-T, LJ-R | Y | GVRR-1, GVRR-3 |
| 2ICS*PSE117 | 2 | 35B | F-5 | D | A | 20.0 | RD | SEA | C | O | O | N | RD-P3 | N | |
| 2ICS*PSE118 | 2 | 35B | F-5 | D | A | 20.0 | RD | SEA | C | O | O | N | RD-P3 | N | |
| 2ICS*RV112 | 2 | 35C | C-3 | C | A | 0.75 | REV | SEA | C | O | AI | N | RT-P2 | N | |
| 2ICS*RV114 | 2 | 35D | D-5 | C | A | 0.75 | REV | SEA | C | O | AI | N | RT-P2 | N | |
| 2ICS*V249 | 2 | 35D | I-5 | C | A | 06.0 | CHV | SEA | OC | O | - | N | FE-Q(F) | N | |
| 2ICS*V27 | 2 | 35D | F-5 | C | A | 06.0 | CHV | SEA | OC | O | - | N | FE-Q(F) | N | |
| 2ICS*V28 | 2 | 35A | H-10 | C | A | 06.0 | CHV | SEA | C | C | - | N | FE-CS(F) | Y | SEE ISC-VCS-4, ICS-VRR-2 |
| 2ICS*V29 | 2 | 35A | F-7 | C | A | 12.0 | CHV | SEA | C | O | - | N | FE-Q(F) | N | |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : ICS, REACTOR CORE ISOLATION COOLING (RCIC)

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2ICS*V38 | 2 | 35A | G-9 | C | A | 02.0 | CHV | SEA | C | O | - | N | FE-Q(F) | N | |
| 2ICS*V39 | 2 | 35A | H-6 | C | A | 1.50 | CHV | SEA | C | O | - | N | FE-R(F) | Y | ICS-VRR-1 |
| 2ICS*V40 | 2 | 35A | I-6 | C | A | 1.50 | CHV | SEA | C | O | - | N | FE-R(F) | Y | ICS-VRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : ISC, REACTOR VESSEL INSTRUMENTATION

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2ISC*EFV1 | 2 | 28A | I-2 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2ISC*EFV10 | 2 | 28B | I-8 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2ISC*EFV11 | 2 | 28C | I-2 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2ISC*EFV12 | 2 | 28C | I-4 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2ISC*EFV13 | 2 | 28C | M-6 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2ISC*EFV14 | 2 | 28C | I-8 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2ISC*EFV15 | 2 | 28B | D-3 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2ISC*EFV16 | 2 | 28B | D-5 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2ISC*EFV17 | 2 | 28B | D-8 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2ISC*EFV18 | 2 | 28C | D-2 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2ISC*EFV19 | 2 | 28C | D-4 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2ISC*EFV2 | 2 | 28A | I-4 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2ISC*EFV20 | 2 | 28C | M-6 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2ISC*EFV21 | 2 | 28C | D-8 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2ISC*EFV22 | 2 | 28C | D-9 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : ISC, REACTOR VESSEL INSTRUMENTATION

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2ISC*EFV23 | 2 | 28C | D-6 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2ISC*EFV24 | 2 | 28C | I-6 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2ISC*EFV25 | 2 | 28C | M-6 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2ISC*EFV26 | 2 | 28C | M-6 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2ISC*EFV27 | 2 | 28C | M-6 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2ISC*EFV28 | 2 | 28C | M-6 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2ISC*EFV29 | 2 | 28C | M-6 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2ISC*EFV3 | 2 | 28A | I-5 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2ISC*EFV30 | 2 | 28C | M-6 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2ISC*EFV31 | 2 | 28C | D-5 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2ISC*EFV32 | 2 | 28C | M-6 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2ISC*EFV33 | 2 | 28C | M-6 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2ISC*EFV34 | 2 | 28C | M-6 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2ISC*EFV35 | 2 | 28C | M-6 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2ISC*EFV36 | 2 | 28C | M-6 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2

SYSTEM : ISC, REACTOR VESSEL INSTRUMENTATION

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2ISC*EFV37 | 2 | 28C | H-6 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2ISC*EFV38 | 2 | 28C | H-6 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2ISC*EFV39 | 2 | 28C | H-6 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2ISC*EFV4 | 2 | 28A | I-7 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2ISC*EFV40 | 2 | 28C | I-5 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2ISC*EFV41 | 2 | 28C | H-6 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2ISC*EFV42 | 2 | 28C | H-6 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2ISC*EFV5 | 2 | 28A | D-4 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2ISC*EFV6 | 2 | 28A | D-5 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2ISC*EFV7 | 2 | 28A | D-6 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2ISC*EFV8 | 2 | 28B | I-3 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2ISC*EFV9 | 2 | 28B | I-5 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2ISC*RV33A | 2 | 28A<br>19G | C-9<br>E-10 | C | A | 24.0 | VRV | SEA | C | O | - | N | FE-Q(F), PI-T, VT-P4 | N | SETPOINT = 0.25 PSID |
| 2ISC*RV33B | 2 | 28A<br>19G | C-9<br>E-10 | C | A | 24.0 | VRV | SEA | C | O | - | N | FE-Q(F), PI-T, VT-P4 | N | SETPOINT = 0.25 PSID |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : ISC, REACTOR VESSEL INSTRUMENTATION

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2ISC*RV34A | 2 | 28A | D-9 | C | A | 24.0 | VRV | SEA | C | O | - | N | FE-Q(F), PI-T, VT-P4 | N | SETPOINT = 0.25 PSID |
| | | 19G | | | | | | | | | | | | | |
| 2ISC*RV34B | 2 | 28A | D-9 | C | A | 24.0 | VRV | SEA | C | O | - | N | FE-Q(F), PI-T, VT-P4 | N | SETPOINT = 0.25 PSID |
| | | 19G | | | | | | | | | | | | | |
| 2ISC*RV35A | 2 | 28A | C-9 | C | A | 24.0 | VRV | SEA | C | O | - | N | FE-Q(F), PI-T, VT-P4 | N | SETPOINT = 0.25 PSID |
| | | 19G | D-9 | | | | | | | | | | | | |
| 2ISC*RV35B | 2 | 28A | D-9 | C | A | 24.0 | VRV | SEA | C | O | - | N | FE-Q(F), PI-T, VT-P4 | N | SETPOINT = 0.25 PSID |
| | | 19G | B-9 | | | | | | | | | | | | |
| 2ISC*RV36A | 2 | 28A | E-9 | C | A | 24.0 | VRV | SEA | C | O | - | N | FE-Q(F), PI-T, VT-P4 | N | SETPOINT = 0.25 PSID |
| | | 19G | C-10 | | | | | | | | | | | | |
| 2ISC*RV36B | 2 | 28A | E-9 | C | A | 24.0 | VRV | SEA | C | O | - | N | FE-Q(F), PI-T, VT-P4 | N | SETPOINT = 0.25 PSID |
| | | 19G | B-10 | | | | | | | | | | | | |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : LMS, CONTAINMENT LEAKAGE MONITORING

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2LMS*SOV152 | 2 | 81A | D-4 | A | A | 0.75 | DIV | SOA | C | C | C | Y | PI-T, LJ-R, FE-Q, ST-Q, FS-Q | Y | GVRR-3, SEE GVRR-1 |
| 2LMS*SOV153 | 2 | 81A | F-4 | A | A | 0.75 | DIV | SOA | C | C | C | Y | PI-T, LJ-R, FE-Q, ST-Q, FS-Q | Y | GVRR-3, SEE GVRR-1 |
| 2LMS*SOV156 | 2 | 81A | D-9 | A | A | 0.75 | DIV | SOA | C | C | C | Y | PI-T, LJ-R, FE-Q, ST-Q, FS-Q | Y | GVRR-3, SEE GVRR-1 |
| 2LMS*SOV157 | 2 | 81A | F-9 | A | A | 0.75 | DIV | SOA | C | C | C | Y | PI-T, LJ-R, FE-Q, ST-Q, FS-Q | Y | GVRR-3, SEE GVRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : MSS, MAIN STEAM

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2MSS*AOV6A | 1 | 1E | C-7 | A | A | 26.0 | GLV | AOA | O | C | C | Y | FE-CS, ST-CS(C), FS-CS, PI-T, LJ-R | | |
| 2MSS*AOV6B | 1 | 1E | C-9 | A | A | 26.0 | GLV | AOA | O | C | C | Y | FE-CS, ST-CS(C), FS-CS, PI-T, LJ-R | | |
| 2MSS*AOV6C | 1 | 1E | C-3 | A | A | 26.0 | GLV | AOA | O | C | C | Y | FE-CS, ST-CS(C), FS-CS, PI-T, LJ-R | | |
| 2MSS*AOV6D | 1 | 1E | C-5 | A | A | 26.0 | GLV | AOA | O | C | C | Y | FE-CS, FE-CS(C), FS-CS, PI-T, LJ-R | | |
| 2MSS*AOV7A | 1 | 1F | B-5 | A | A | 26.0 | GLV | AOA | O | C | C | Y | FE-CS, ST, CS(C), FS-CS, PI-T, LJ-R | | |
| 2MSS*AOV7B | 1 | 1F | B-7 | A | A | 26.0 | GLV | AOA | O | C | C | Y | FE-CS, ST-CS(C), FS-CS, PI-T, LJ-R | | |
| 2MSS*AOV7C | 1 | 1F | B-2 | A | A | 26.0 | GLV | AOA | O | C | C | Y | FE-CS, ST-CS(C), FS-CS, PI-T, LJ-R | | |
| 2MSS*AOV7D | 1 | 1F | B-3 | A | A | 26.0 | GLV | AOA | O | C | C | Y | FE-CS, ST-CS(C), FS-CS, PI-T, LJ-R | | |
| 2MSS*EFV1A | 2 | 1J | H-7 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, SEE GVRR-1 |
| 2MSS*EFV1B | 2 | 1J | H-9 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, SEE GVRR-1 |
| 2MSS*EFV1C | 2 | 1J | H-2 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, SEE GVRR-1 |
| 2MSS*EFV1D | 2 | 1J | H-4 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, SEE GVRR-1 |
| 2MSS*EFV2A | 2 | 1J | H-7 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, SEE GVRR-1 |
| 2MSS*EFV2B | 2 | 1J | H-10 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, SEE GVRR-1 |
| 2MSS*EFV2C | 2 | 1J | H-2 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, SEE GVRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : MSS, MAIN STEAM

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2MSS*EFV2D | 2 | 1J | H-5 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, SEE GVRR-1 |
| 2MSS*EFV3A | 2 | 1J | H-7 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, SEE GVRR-1 |
| 2MSS*EFV3B | 2 | 1J | H-10 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, SEE GVRR-1 |
| 2MSS*EFV3C | 2 | 1J | H-3 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, SEE GVRR-1 |
| 2MSS*EFV3D | 2 | 1J | H-5 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, SEE GVRR-1 |
| 2MSS*EFV4A | 2 | 1J | H-8 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, SEE GVRR-1 |
| 2MSS*EFV4B | 2 | 1J | H-10 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, SEE GVRR-1 |
| 2MSS*EFV4C | 2 | 1J | H-3 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, SEE GVRR-1 |
| 2MSS*EFV4D | 2 | 1J | H-5 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, SEE GVRR-1 |
| 2MSS*MOV111 | 1 | 1E | G-2 | A | A | 06.0 | GLV | MOA | C | C | AI | Y | FE-Q, ST-Q(C), PI-T, LJ-R | Y | SEE GVRR-1 |
| 2MSS*MOV112 | 1 | 1E | H-2 | A | A | 06.0 | GLV | MOA | C | C | AI | Y | FE-Q, ST-Q(C), PI-T, LJ-R | Y | SEE GVRR-1 |
| 2MSS*MOV118 | 1 | 1A | J-3 | B | P | 02.0 | GLV | MOA | C | OC | AI | N | PI-T | N | |
| 2MSS*MOV119 | 1 | 1A | J-4 | B | P | 02.0 | GLV | MOA | C | OC | AI | N | PI-T | N | |
| 2MSS*MOV208 | 2 | 1F | F-9 | A | A | 02.0 | GLV | MOA | C | C | AI | Y | FE-Q, ST-Q(C), PI-T, LJ-R | Y | SEE GVRR-1 |
| 2MSS*PSV120 | 1 | 1A | D-4 | C | A | 08.0 | REV | SEA | C | O | - | N | RT-P1 | N | |
| 2MSS*PSV121 | 1 | 1A | E-4 | B, C | A | 08.0 | REV | SEA, | C | O | C | N | FE-R, FS-R, RT-P1, ST-R | Y | SEE MSS-VRR-1, ADS VLV. |

SYSTEM : MSS, MAIN STEAM

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE | C. | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2MSS*PSV122 | 1 | 1A | G-4 | C | A | 08.0 | REV | SEA | C | O | - | N | | RT-P1 | N | |
| 2MSS*PSV123 | 1 | 1A | H-4 | C | A | 08.0 | REV | SEA | C | O | - | N | | RT-P1 | N | |
| 2MSS*PSV124 | 1 | 1B | D-4 | C | A | 08.0 | REV | SEA | C | O | - | N | | RT-P1 | N | |
| 2MSS*PSV125 | 1 | 1B | E-4 | C | A | 08.0 | REV | SEA | C | O | - | N | | RT-P1 | N | |
| 2MSS*PSV126 | 1 | 1B | G-4 | B, C | A | 08.0 | REV | SEA, | C | O | C | N | | FE-R, FS-R, RT-P1, ST-R | Y | SEE MSS-VRR-1, ADS VLV. |
| 2MSS*PSV127 | 1 | 1B | H-4 | B, C | A | 08.0 | REV | SEA, | C | O | C | N | | FE-R, FS-R, RT-P1, ST-R | Y | SEE MSS-VRR-1, ADS VLV. |
| 2MSS*PSV128 | 1 | 1B | I-4 | C | A | 08.0 | REV | SEA | C | O | C | N | | RT-P1 | N | |
| 2MSS*PSV129 | 1 | 1C | D-4 | B, C | A | 08.0 | REV | SEA, | C | O | C | N | | FE-R, FS-R, RT-P1, ST-R | Y | SEE MSS-VRR-1, ADS VLV. |
| 2MSS*PSV130 | 1 | 1C | E-4 | B, C | A | 08.0 | REV | SEA, | C | O | C | N | | FE-R, FS-R, RT-P1, ST-R | Y | SEE MSS-VRR-1, ADS VLV |
| 2MSS*PSV131 | 1 | 1C | G-4 | C | A | 08.0 | REV | SEA | C | O | - | N | | RT-P1 | N | |
| 2MSS*PSV132 | 1 | 1C | H-4 | C | A | 08.0 | REV | SEA | C | O | - | N | | RT-P1 | N | |
| 2MSS*PSV133 | 1 | 1C | J-4 | C | A | 08.0 | REV | SEA | C | O | - | N | | RT-P1 | N | |
| 2MSS*PSV134 | 1 | 1D | D-5 | B, C | A | 08.0 | REV | SEA, | C | O | C | N | | FE-R, FS-R, RT-P1, ST-R | Y | SEE MSS-VRR-1, ADS VLV. |
| 2MSS*PSV135 | 1 | 1D | F-5 | C | A | 08.0 | REV | SEA | C | O | - | N | | RT-P1 | N | |
| 2MSS*PSV136 | 1 | 1D | H-5 | C | A | 08.0 | REV | SEA | C | O | - | N | | RT-P1 | N | |
| 2MSS*PSV137 | 1 | 1D | J-5 | B, C | A | 08.0 | REV | SEA, | C | O | C | N | | FE-R, FS-R, RT-P1, ST-R | Y | SEE MSS-VRR-1, ADS VLV |
| 2MSS*SOV97A | 2 | 1E | J-8 | A | A | 0.75 | GLV | SOV | C | C | C | Y | | LJ-R, FE-Q, ST-Q(C) | Y | SEE GVRR-1, GVRR-3 |
| 2MSS*SOV97B | 2 | 1E | J-10 | A | A | 0.75 | GLV | SOV | C | C | C | Y | | LJ-R, FE-Q, ST-Q(C) | Y | SEE GVRR-1, GVRR-3 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : MSS, MAIN STEAM

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2MSS*SOV97C | 2 | 1E | J-4 | A | A | 0.75 | GLV | SOV | C | C | C | Y | LJ-R, FE-Q, ST-Q(C) | Y | SEE GVRR-1, GVRR-3 |
| 2MSS*SOV97D | 2 | 1E | J-6 | A | A | 0.75 | GLV | SOV | C | C | C | Y | LJ-R, FE-Q, ST-Q(C) | Y | SEE GVRR-1, GVRR-3 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2

SYSTEM : NMS, NEUTRON MONITOR

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2NMS*SOV1A | 2 | EM38A | F-7 | A | A | 1.50 | BLV | SOA | C | C | C | Y | FE-Q, ST-Q(C), FS-Q, LJ-R, PI-T | Y | PART OF C51-J004A TIP SYSTEM, GVRR-1, GVRR-3 |
| 2NMS*SOV1B | 2 | EM38A | F-7 | A | A | 1.50 | BLV | SOA | C | C | C | Y | FE-Q, ST-Q(C), FS-Q, LJ-R, PI-T | Y | PART OF C51-J004B TIP SYSTEM, GVRR-1, GVRR-3 |
| 2NMS*SOV1C | 2 | EM38A | G-6 | A | A | 1.50 | BLV | SOA | C | C | C | Y | FE-Q, ST-Q(C), FS-Q, LJ-R, PI-T | Y | PART OF C51-J004C TIP SYSTEM, GVRR-1, GVRR-3 |
| 2NMS*SOV1D | 2 | EM38A | G-6 | A | A | 1.50 | BLV | SOA | C | C | C | Y | FE-Q, ST-Q(C), FS-Q, LJ-R, PI-T | Y | PART OF C51-J004D TIP SYSTEM, GVRR-1, GVRR-3 |
| 2NMS*SOV1E | 2 | EM38A | H-5 | A | A | 1.50 | BLV | SOA | C | C | C | Y | FE-Q, ST-Q(C), FS-Q, LJ-R, PI-T | Y | PART OF C51-J004E TIP SYSTEM, GVRR-1, GVRR-3 |
| 2NMS*VEX1A | 2 | EM38A | F-7 | D | A | 1.50 | EXV | EXA | O | C | N | N | EX-P6 | N | PART OF C51-J004A TIP SYSTEM |
| 2NMS*VEX1B | 2 | EM38A | F-7 | D | A | 1.50 | EXV | EXA | O | C | N | N | EX-P6 | N | PART OF C51-J004B TIP SYSTEM |
| 2NMS*VEX1C | 2 | EM38A | G-6 | D | A | 1.50 | EXV | EXA | O | C | N | N | EX-P6 | N | PART OF C51-J004C TIP SYSTEM |
| 2NMS*VEX1D | 2 | EM38A | G-6 | D | A | 1.50 | EXV | EXA | O | C | N | N | EX-P6 | N | PART OF C51-J004D TIP SYSTEM |
| 2NMS*VEX1E | 2 | EM38A | H-5 | D | A | 1.50 | EXV | EXA | O | C | N | N | EX-P6 | N | PART OF C51-J004E TIP SYSTEM |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : RCS, REACTOR COOLANT (RECIRCULATION)

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RCS*EFV44A | 2 | 29B | D-2 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, SEE GVRR-1 |
| 2RCS*EFV44B | 2 | 29C | D-2 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, SEE GVRR-1 |
| 2RCS*EFV45A | 2 | 29B | D-3 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, SEE GVRR-1 |
| 2RCS*EFV45B | 2 | 29C | D-3 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, SEE GVRR-1 |
| 2RCS*EFV46A | 2 | 29B | D-4 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, SEE GVRR-1 |
| 2RCS*EFV46B | 2 | 29C | D-4 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, SEE GVRR-1 |
| 2RCS*EFV47A | 2 | 29B | D-5 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, SEE GVRR-1 |
| 2RCS*EFV47B | 2 | 29C | D-5 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, SEE GVRR-1 |
| 2RCS*EFV48A | 2 | 29B | D-6 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, SEE GVRR-1 |
| 2RCS*EFV48B | 2 | 29C | D-6 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, SEE GVRR-1 |
| 2RCS*EFV52A | 2 | 29B | I-5 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, SEE GVRR-1 |
| 2RCS*EFV52B | 2 | 29C | I-6 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, SEE GVRR-1 |
| 2RCS*EFV53A | 2 | 29B | H-5 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, SEE GVRR-1 |
| 2RCS*EFV53B | 2 | 29C | H-6 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, SEE GVRR-1 |
| 2RCS*EFV62A | 2 | 29B | J-9 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, SEE GVRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : RCS, REACTOR COOLANT (RECIRCULATION)

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RCS*EFV62B | 2 | 29C | J-9 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, LJ-R, FE-Q(F) | Y | GVRR-2, SEE GVRR-1 |
| 2RCS*EFV63A | 2 | 29B | J-9 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, SEE GVRR-1 |
| 2RCS*EFV63B | 2 | 29C | J-9 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-Q(F), LJ-R | Y | GVRR-2, SEE GVRR-1 |
| 2RCS*MOV18A | 1 | 29B | J-2 | B | A | 24.0 | GTV | MOA | O | C | AI | N | FE-CS, ST-CS(C), PI-T | Y | SEE RCS-VCS-1 |
| 2RCS*MOV18B | 1 | 29C | J-2 | B | A | 24.0 | GTV | MOA | O | C | AI | N | FE-CS, ST-CS(C), PI-T | Y | SEE RCS-VCS-1 |
| 2RCS*SOV104 | 2 | 29B | H-3 | A | A | 0.75 | GLV | SOA | O | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-1, GVRR-3 |
| 2RCS*SOV105 | 2 | 29B | H-3 | A | A | 0.75 | GLV | SOA | O | C | C | Y | FE-Q, ST-Q(C), FS-Q, PI-T, LJ-R | Y | GVRR-1, GVRR-3 |
| 2RCS*SOV65A | 2 | 29A | A-6 | A | A | 02.0 | GLV | SOA | O | C | C | N | FE-CS, ST-CS(C), FS-CS, PI-T | Y | SEE RCS-VCS-2, GVRR-1, GVRR-3 |
| 2RCS*SOV65B | 2 | 29A | G-6 | A | A | 02.0 | GLV | SOA | O | C | C | N | FE-CS, ST-CS(C), FS-CS, PI-T | Y | SEE RCS-VCS-2, GVRR-1, GVRR-3 |
| 2RCS*SOV66A | 2 | 29A | C-6 | A | A | 01.0 | GLV | SOA | O | C | C | N | FE-CS, ST-CS(C), FS-CS, PI-T | Y | SEE RCS-VCS-2, GVRR-1, GVRR-3 |
| 2RCS*SOV66B | 2 | 29A | H-6 | A | A | 01.0 | GLV | SOA | O | C | C | N | FE-CS, ST-CS(C), FS-CS, PI-T | Y | SEE RCS-VCS-2, GVRR-1, GVRR-3 |
| 2RCS*SOV67A | 2 | 29A | D-6 | A | A | 02.0 | GLV | SOA | O | C | C | N | FE-CS, ST-CS(C), FS-CS, PI-T | Y | SEE RCS-VCS-2, GVRR-1, GVRR-3 |
| 2RCS*SOV67B | 2 | 29A | J-6 | A | A | 02.0 | GLV | SOA | O | C | C | N | FE-CS, ST-CS(C), FS-CS, PI-T | Y | SEE RCS-VCS-2, GVRR-1, GVRR-3 |
| 2RCS*SOV68A | 2 | 29A | E-6 | A | A | 0.75 | GLV | SOA | O | C | C | N | FE-CS, ST-CS(C), FS-CS, PI-T | Y | SEE RCS-VCS-2, GVRR-1, GVRR-3 |
| 2RCS*SOV68B | 2 | 29A | K-6 | A | A | 0.75 | GLV | SOA | O | C | C | N | FE-CS, ST-CS(C), FS-CS, PI-T | Y | SEE RCS-VCS-2, GVRR-1, GVRR-3 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2

SYSTEM : RCS, REACTOR COOLANT (RECIRCULATION)

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RCS*SOV79A | 2 | 29A | A-6 | A | A | 02.0 | GLV | SOA | O | C | C | N | FE-CS, ST-CS(C), FS-CS, PI-T, | Y | SEE RCS-VCS-2, GVRR-1, GVRR-3 |
| 2RCS*SOV79B | 2 | 29A | G-6 | A | A | 02.0 | GLV | SOA | O | C | C | N | FE-CS, ST-CS(C), FS-CS, PI-T | Y | SEE RCS-VCS-2, GVRR-1, GVRR-3 |
| 2RCS*SOV80A | 2 | 29A | C-6 | A | A | 01.0 | GLV | SOA | O | C | C | N | FE-CS, ST-CS(C), FS-CS, PI-T | Y | SEE RCS-VCS-2, GVRR-1, GVRR-3 |
| 2RCS*SOV80B | 2 | 29A | I-6 | A | A | 01.0 | GLV | SOA | O | C | C | N | FE-CS, ST-CS(C), FS-CS, PI-T | Y | SEE RCS-VCS-2, GVRR-1, GVRR-3 |
| 2RCS*SOV81A | 2 | 29A | D-6 | A | A | 02.0 | GLV | SOA | O | C | C | N | FE-CS, ST-CS(C), FS-CS, PI-T | Y | SEE RCS-VCS-2, GVRR-1, GVRR-3 |
| 2RCS*SOV81B | 2 | 29A | I-6 | A | A | 02.0 | GLV | SOA | O | C | C | N | FE-CS, ST-CS(C), FS-CS, PI-T | Y | SEE RCS-VCS-2, GVRR-1, GVRR-3 |
| 2RCS*SOV82A | 2 | 29A | E-6 | A | A | 0.75 | GLV | SOA | O | C | C | N | FE-CS, ST-CS(C), FS-CS, PI-T | Y | SEE RCS-VCS-2, GVRR-1, GVRR-3 |
| 2RCS*SOV82B | 2 | 29A | K-6 | A | A | 0.75 | GLV | SOA | O | C | C | N | FE-CS, ST-CS(C), FS-CS, PI-T | Y | SEE RCS-VCS-2, GVRR-1, GVRR-3 |
| 2RCS*V59A | 2 | 29B | H-10 | A, C | A | 0.75 | CHV | SEA | O | C | - | Y | FE-R(R), LJ-R | Y | SEE RCS-VRR-1, GVRR-1. |
| 2RCS*V59B | 2 | 29C | G-10 | A, C | A | 0.75 | CHV | SEA | O | C | - | Y | FE-R(R), LJ-R | Y | SEE RCS-VRR-1, GVRR-1. |
| 2RCS*V60A | 2 | 29B | F-10 | A, C | A | 0.75 | CHV | SEA | O | C | - | Y | FE-R(R), LJ-R | Y | SEE RCS-VRR-1, GVRR-1. |
| 2RCS*V60B | 2 | 29C | F-10 | A, C | A | 0.75 | CHV | SEA | O | C | - | Y | FE-R(R), LJ-R | Y | SEE RCS-VRR-1, GVRR-1. |
| 2RCS*V90A | 2 | 29B | G-10 | A, C | A | 0.75 | CHV | SEA | O | C | - | Y | FE-R(R), LJ-R | Y | SEE RCS-VRR-1, GVRR-1. |
| 2RCS*V90B | 2 | 29C | G-10 | A, C | A | 0.75 | CHV | SEA | O | C | - | Y | FE-R(R), LJ-R | Y | SEE RCS-VRR-1, GVRR-1. |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV123 | 2 | 30C | C-10 | A | A | 02.0 | DIV | AOA | O | C | C | Y | FE-Q, ST-Q(O&C), FS-Q, LJ-R, PI-T | Y | SEE GVRR-1, SEE RDS-VRR-1 |
| 2RDS*AOV124 | 2 | 30C | F-5 | A | A | 01.0 | GLV | AOA | O | C | C | Y | FE-Q, ST-Q(O&C), FS-Q, LJ-R, PI-T | Y | SEE GVRR-1, SEE RDS-VRR-1 |
| 2RDS*AOV126-0219 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-0223 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-0227 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS: 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-0231 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-0235 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-0239 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV126-0243 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-0615 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-0619 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-0623 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-0627 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-0631 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-0635 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV126-0639 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-0643 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-0647 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-1011 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-1015 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-1019 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-1023 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV126-1027 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-1031 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-1035 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-1039 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-1043 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-1047 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-1051 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV126-1407 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-1411 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-1415 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-1419 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-1423 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-1427 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-1431 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV126-1435 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-1439 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-1443 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-1447 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-1451 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-1455 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-1803 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV126-1807 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-1811 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-1815 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-1819 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-1823 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-1827 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-1831 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV126-1835 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-1839 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-1843 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-1847 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-1851 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-1855 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-1859 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV126-2203 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-2207 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-2211 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-2215 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-2219 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-2223 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-2227 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV126-2231 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-2235 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-2239 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-2243 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-2247 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-2251 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-2255 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV126-2259 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-2603 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-2607 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-2611 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-2615 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-2619 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-2623 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV126-2627 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-2631 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-2635 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-2639 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-2643 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-2647 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-2651 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE | C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV126-2655 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-2659 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-3003 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-3007 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-3011 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-3015 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-3019 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV126-3023 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-3027 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-3031 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-3035 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-3039 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-3043 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-3047 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV126-3051 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-3055 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-3059 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-3403 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-3407 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-3411 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-3415 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV126-3419 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-3423 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-3427 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-3431 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-3435 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-3439 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-3443 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV126-3447 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-3451 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-3455 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-3459 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-3803 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-3807 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-3811 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV126-3815 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-3819 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-3823 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-3827 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-3831 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-3835 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-3839 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV126-3843 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-3847 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-3851 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-3855 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-3859 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-4203 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-4207 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV126-4211 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-4215 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-4219 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-4223 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-4227 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-4231 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-4235 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV126-4239 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-4243 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-4247 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-4251 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS: 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-4255 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-4259 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-4607 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV126-4611 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-4615 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-4619 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-4623 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-4627 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-4631 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-4635 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV126-4639 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-4643 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-4647 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-4651 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-4655 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-5011 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-5015 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV126-5019 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-5023 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-5027 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-5031 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-5035 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-5039 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-5043 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C. | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV126-5047 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-5051 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-5415 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-5419 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-5423 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-5427 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-5431 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV126-5435 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-5439 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-5443 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-5447 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-5819 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-5823 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-5827 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV126-5831 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-5835 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-5839 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV126-5843 | 2 | 30B | D-8 | B | A | 00.5 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 126 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-0219 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-0223 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-0227 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV127-0231 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-0235 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-0239 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-0243 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-0615 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-0619 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-0623 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV127-0627 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-0631 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-0635 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-0639 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-0643 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-0647 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-1011 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV127-1015 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-1019 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-1023 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-1027 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-1031 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-1035 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-1039 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV127-1043 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-1047 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-1051 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-1407 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-1411 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-1415 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-1419 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV127-1423 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-1427 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-1431 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-1435 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-1439 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-1443 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-1447 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV127-1451 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-1455 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-1803 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-1807 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-1811 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-1815 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-1819 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV127-1823 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-1827 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-1831 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-1835 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-1839 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-1843 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-1847 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV127-1851 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-1855 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-1859 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-2203 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-2207 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-2211 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-2215 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV127-2219 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-2223 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-2227 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-2231 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-2235 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-2239 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-2243 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV127-2247 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-2251 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-2255 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-2259 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-2603 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-2607 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-2611 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV127-2615 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-2619 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-2623 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-2627 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-2631 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-2635 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-2639 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV127-2643 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-2647 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-2651 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-2655 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-2659 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-3003 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-3007 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV127-3011 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-3015 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-3019 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-3023 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-3027 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-3031 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-3035 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV127-3039 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-3043 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-3047 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-3051 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-3055 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-3059 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-3403 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV127-3407 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-3411 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-3415 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-3419 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-3423 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-3427 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-3431 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV127-3435 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-3439 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-3443 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-3447 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-3451 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-3455 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-3459 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV127-3803 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-3807 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-3811 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-3815 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-3819 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-3823 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-3827 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV127-3831 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-3835 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-3839 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-3843 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-3847 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-3851 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-3855 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV127-3859 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-4203 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-4207 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-4211 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-4215 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-4219 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-4223 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV127-4227 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-4231 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-4235 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-4239 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-4243 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-4247 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-4251 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV127-4255 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-4259 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-4607 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-4611 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-4615 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-4619 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-4623 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV127-4627 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-4631 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-4635 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-4639 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-4643 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-4647 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-4651 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

APPENDIX E
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2



SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV127-4655 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-5011 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-5015 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-5019 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-5023 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-5027 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-5031 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRH | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV127-5035 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-5039 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-5043 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-5047 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-5051 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-5415 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-5419 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV127-5423 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-5427 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-5431 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-5435 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-5439 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-5443 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-5447 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV127-5819 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-5823 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-5827 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-5831 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-5835 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-5839 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV127-5843 | 2 | 30B | B-9 | B | A | 0.75 | GTV | AOA | C | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | GE VALVE 127 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*AOV130 | 2 | 30C | B-10 | A | A | 02.0 | DIV | AOA | O | C | C | Y | FE-Q, ST-Q(O&C), FS-Q, LJ-R, PI-T | Y | GVRR-1 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*AOV132 | 2 | 30C | F-4 | A | A | 01.0 | GLV | AOA | O | C | C | Y | FE-Q, ST-Q(O&C), FS-Q, LJ-RPI-T | Y | GVRR-1 |
| 2RDS*V114-0219 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-0223 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-0227 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-0231 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-0235 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-0239 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-0243 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*V114-0615 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-0619 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-0623 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-0627 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VLVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-0631 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VLVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-0635 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VLVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-0639 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*V114-0643 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-0647 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-1011 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-1015 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-1019 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-1023 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-1027 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*V114-1031 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-1035 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-1039 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-1043 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-1047 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-1051 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-1407 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*V114-1411 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-1415 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-1419 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-1423 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-1427 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-1431 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-1435 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*V114-1439 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-1443 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-1447 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-1451 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-1455 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-1803 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-1807 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*V114-1811 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-1815 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-1819 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-1823 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-1827 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-1831 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-1835 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*V114-1839 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-1843 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-1847 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-1851 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-1855 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-1859 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-2203 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*V114-2207 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-2211 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-2215 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-2219 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-2223 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-2227 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-2231 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*V114-2235 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-2239 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-2243 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-2247 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-2251 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-2255 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-2259 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*V114-2603 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-2607 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-2611 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-2615 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-2619 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-2623 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-2627 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*V114-2631 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-2635 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-2639 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-2643 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-2647 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-2651 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-2655 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*V114-2659 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-3003 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-3007 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-3011 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-3015 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-3019 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-3023 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*V114-3027 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-3031 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-3035 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-3039 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-3043 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-3047 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-3051 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*V114-3055 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-3059 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-3403 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-3407 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-3411 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-3415 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-3419 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*V114-3423 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-3427 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-3431 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-3435 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-3439 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-3443 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-3447 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*V114-3451 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-3455 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-3459 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-3803 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-3807 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-3811 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-3815 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*V114-3819 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-3823 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-3827 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-3831 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-3835 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-3839 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-3843 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*V114-3847 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-3851 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-3855 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-3859 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-4203 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-4207 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-4211 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*V114-4215 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-4219 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-4223 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-4227 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-4231 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-4235 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-4239 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*V114-4243 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-4247 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-4251 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-4255 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-4259 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-4607 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-4611 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*V114-4615 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-4619 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-4623 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-4627 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-4631 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-4635 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-4639 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*V114-4643 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-4647 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-4651 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-4655 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-5011 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-5015 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-5019 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*V114-5023 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-5027 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-5031 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-5035 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-5039 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-5043 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-5047 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*V114-5051 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-5415 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-5419 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-5423 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-5427 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-5431 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-5435 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*V114-5439 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-5443 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-5447 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-5819 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-5823 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-5827 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-5831 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*V114-5835 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-5839 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V114-5843 | 2 | 30B | B-9 | C | A | 0.75 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | GE VALVE 114 ON P&ID, TESTING FREQUENCY IN ACCORDANCE WITH TS 4.1.3.2, SEE RDS-VRR-1 |
| 2RDS*V115-0219 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-0223 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-0227 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-0231 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-0235 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-0239 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-0243 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-0615 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-0619 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*V115-0623 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-0627 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-0631 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-0635 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-0639 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-0643 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-0647 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-1011 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-1015 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-1019 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-1023 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-1027 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-1031 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-1035 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-1039 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*V115-1043 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-1047 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-1051 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-1407 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-1411 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-1415 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-1419 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-1423 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-1427 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-1431 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-1435 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-1439 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-1443 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-1447 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-1451 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*V115-1455 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-1803 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-1807 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-1811 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-1815 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-1819 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-1823 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-1827 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-1831 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-1835 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-1839 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-1843 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-1847 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-1851 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-1855 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*V115-1859 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-2203 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-2207 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-2211 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-2215 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-2219 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-2223 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-2227 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-2231 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-2235 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-2239 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-2243 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-2247 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-2251 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-2255 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*V115-2259 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-2603 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-2607 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-2611 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-2615 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-2619 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-2623 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-2627 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-2631 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-2635 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-2639 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-2643 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-2647 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-2651 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-2655 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*V115-2659 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-3003 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-3007 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-3011 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-3015 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-3019 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-3023 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-3027 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-3031 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-3035 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-3039 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-3043 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-3047 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-3051 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-3055 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*V115-3059 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-3403 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-3407 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-3411 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-3415 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-3419 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-3423 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-3427 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-3431 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-3435 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-3439 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-3443 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-3447 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-3451 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-3455 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*V115-3459 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-3803 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-3807 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-3811 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-3815 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-3819 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-3823 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-3827 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-3831 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-3835 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-3839 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-3843 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-3847 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-3851 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-3855 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |

APPEND
FIRST T AR INTERVAL
VALVE INSERVICE TES G PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*V115-3859 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-4203 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-4207 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-4211 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-4215 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-4219 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-4223 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-4227 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-4231 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-4235 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-4239 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-4243 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-4247 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-4251 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-4255 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*V115-4259 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-4607 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-4611 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-4615 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-4619 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-4623 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-4627 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-4631 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-4635 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-4639 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-4643 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-4647 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-4651 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-4655 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-5011 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*V115-5015 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-5019 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-5023 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-5027 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-5031 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-5035 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-5039 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-5043 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-5047 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-5051 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-5415 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-5419 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-5423 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-5427 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-5431 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*V115-5435 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-5439 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-5443 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-5447 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-5819 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-5823 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-5827 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-5831 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-5835 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-5839 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V115-5843 | 2 | 30B | D-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-Q(R) | Y | GE VALVE 115 ON P&ID, SEE RDS-VRR-2 |
| 2RDS*V138-0219 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-0223 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-0227 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-0231 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*V138-0235 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-0239 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-0243 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-0615 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-0619 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-0623 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-0627 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-0631 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-0635 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-0639 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-0643 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-0647 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-1011 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-1015 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-1019 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*V138-1023 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-1027 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-1031 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-1035 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-1039 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-1043 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-1047 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-1051 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-1407 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-1411 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-1415 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-1419 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-1423 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-1427 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-1431 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*V138-1435 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | -. | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-1439 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-1443 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-1447 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-1451 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-1455 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-1803 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-1807 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-1811 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-1815 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-1819 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-1823 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-1827 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-1831 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-1835 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*V138-1839 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-1843 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-1847 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-1851 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-1855 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-1859 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-2203 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-2207 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-2211 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-2215 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-2219 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-2223 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-2227 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-2231 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-2235 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*V138-2239 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-2243 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-2247 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-2251 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-2255 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-2259 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-2603 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-2607 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-2611 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-2615 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-2619 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-2623 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-2627 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-2631 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-2635 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*V138-2639 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-2643 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-2647 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-2651 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-2655 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-2659 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-3003 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-3007 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-3011 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-3015 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-3019 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-3023 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-3027 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-3031 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-3035 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*V138-3039 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-3043 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-3047 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-3051 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-3055 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-3059 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-3403 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-3407 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-3411 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-3415 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-3419 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-3423 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-3427 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-3431 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-3435 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*V138-3439 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-3443 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-3447 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-3451 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-3455 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-3459 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-3803 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-3807 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-3811 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-3815 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-3819 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-3823 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-3827 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-3831 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-3835 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |

APPENDIX C
FIRST TEN YEAR INTERVAL
VALVE INSERVICE TESTING PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*V138-3839 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-3843 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-3847 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-3851 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-3855 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-3859 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-4203 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-4207 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-4211 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-4215 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-4219 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-4223 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-4227 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-4231 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-4235 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*V138-4239 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-4243 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-4247 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-4251 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-4255 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-4259 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-4607 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-4611 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-4615 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-4619 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-4623 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-4627 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-4631 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-4635 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-4639 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*V138-4643 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-4647 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-4651 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-4655 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-5011 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-5015 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-5019 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-5023 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-5027 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-5031 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-5035 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-5039 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-5043 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-5047 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-5051 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*V138-5415 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-5419 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-5423 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-5427 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-5431 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-5435 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-5439 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-5443 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-5447 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-5819 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-5823 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-5827 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-5831 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-5835 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |
| 2RDS*V138-5839 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |

SYSTEM : RDS, CONTROL ROD DRIVE HYDRAULIC

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RDS*V138-5843 | 2 | 30B | C-7 | C | A | 00.5 | CHV | SEA | OC | C | - | N | FE-R(R) | Y | GE VALVE 138 ON P&ID, SEE RDS-VRR-3 |

SYSTEM : RHS, RESIDUAL HEAT REMOVAL (RHR)

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RHS*AOV150 | 2 | 31E | B-8 | C | A | 16.0 | TCV | SEA | OC | C | - | N | FE-Q(F) | N | HOOK UP AIR FOR SECT XI TEST |
| 2RHS*AOV16A | 1 | 31A | F-5 | A, C | A | 12.0 | TCV | SEA | C | OC | - | Y | FE-CS(F&R), LJ-R, PI-T, LK-R | Y | SEE RHS-VCS-1, GVRR-1 |
| 2RHS*AOV16B | 1 | 31A | J-6 | A, C | A | 12.0 | TCV | SEA | C | OC | - | Y | FE-CS(F&R), LJ-R, PI-T, LK-R | Y | SEE RHS-VCS-1, GVRR-1 |
| 2RHS*AOV16C | 1 | 31A | J-4 | A, C | A | 12.0 | TCV | SEA | C | OC | - | Y | FE-CS(F&R), LJ-R, PI-T, LK-R | Y | SEE RHS-VCS-1, GVRR-1 |
| 2RHS*AOV39A | 1 | 31A | F-9 | A, C | A | 12.0 | TCV | SEA | C | OC | - | Y | FE-CS(F&R), LJ-R, PI-T, LK-R | Y | SEE RHS-VCS-1, GVRR-1 |
| 2RHS*AOV39B | 1 | 31A | K-9 | A, C | A | 12.0 | TCV | SEA | C | OC | - | Y | FE-CS(F&R), LJ-R, PI-T, LK-R | Y | SEE RHS-VCS-1, GVRR-1 |
| 2RHS*EFV5 | 2 | 31B | B-8 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-R(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2RHS*EFV6 | 2 | 31B | B-7 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-R(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2RHS*EFV7 | 2 | 31A | C-6 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-R(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2RHS*FV38A | 2 | 31C | B-6 | B | A | 18.0 | GLV | MOA | C | CO | AI | N | FE-Q, ST-Q(O&C), PI-T | N | |
| 2RHS*FV38B | 2 | 31B | J-9 | B | A | 18.0 | GLV | MOA | C | CO | AI | N | FE-Q, ST-Q(O&C), PI-T | N | |
| 2RHS*FV38C | 2 | 31B | H-7 | B | A | 18.0 | GLV | MOA | C | CO | AI | N | FE-Q, ST-Q(O&C), PI-T | N | |
| 2RHS*MOV104 | 1 | 31B | D-2 | A | A | 06.0 | GLV | MOA | C | OC | AI | Y | FE-CS, ST-CS(C), LJ-R, PI-T, LK-R | Y | SEE RHS-VCS-1, GVRR-1 |
| 2RHS*MOV112 | 1 | 31A | H-10 | A | A | 30.0 | GTV | MOA | C | OC | AI | Y | FE-CS, ST-CS(O&C), LJ-R, PI-T, LK-R | Y | SEE RHS-VCS-1, GVRR-1 |

SYSTEM : RHS, RESIDUAL HEAT REMOVAL (RHR)

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RHS*MOV113 | 1 | 31A | E-10 | A | A | 30.0 | GTV | MOA | C | C | AI | Y | FE-CS, ST-CS(C), LJ-R, PI-T, LK-R | Y | SEE RHS-VCS-1, GVRR-1 |
| 2RHS*MOV115 | 2 | 31E | C-8 | B | A | 16.0 | GTV | MOA | C | OC | AI | N | FE-Q, ST-Q(O&C), PI-T | N | |
| 2RHS*MOV116 | 3 | 31E | B-9 | B | A | 16.0 | GTV | MOA | C | OC | AI | N | FE-Q, ST-Q(O&C), PI-T | N | |
| 2RHS*MOV12A | 2 | 31D | I-6 | B | A | 18.0 | BFV | MOA | O | OC | AI | N | FE-Q, ST-Q(C), PI-T | N | |
| 2RHS*MOV12B | 2 | 31E | D-7 | B | A | 18.0 | BFV | MOA | O | OC | AI | N | FE-Q, ST-Q(C), PI-T | N | |
| 2RHS*MOV142 | 2 | 31F | I-3 | B | A | 03.0 | GLV | MOA | C | OC | AI | N | FE-Q, ST-Q(O&C), PI-T | N | |
| 2RHS*MOV149 | 2 | 31F | I-3 | B | A | 03.0 | GTV | MOA | C | OC | AI | N | FE-Q, ST-Q(O&C), PI-T | N | |
| 2RHS*MOV15A | 2 | 31A | B-2 | A | A | 16.0 | GTV | MOA | C | OC | AI | Y | FE-Q, ST-Q(O&C), LJ-R, PI-T | Y | GVRR-1 |
| 2RHS*MOV15B | 2 | 31B | F-4 | A | A | 16.0 | GTV | MOA | C | OC | AI | Y | FE-Q, ST-Q(O&C), LJ-R, PI-T | Y | GVRR-1 |
| 2RHS*MOV1A | 2 | 31C | F-9 | A | A | 24.0 | BFV | MOA | O | OC | AI | Y | FE-Q, ST-Q(C), LJ-R, PI-T | Y | GVRR-1 |
| 2RHS*MOV1B | 2 | 31F | F-2 | A | A | 24.0 | BFV | MOA | O | OC | AI | Y | FE-Q, ST-Q(C), LJ-R, PI-T | Y | GVRR-1 |
| 2RHS*MOV1C | 2 | 31G | D-10 | A | A | 24.0 | BFV | MOA | O | OC | AI | Y | FE-Q, ST-Q(C), LJ-R, PI-T | Y | GVRR-1 |
| 2RHS*MOV22A | 2 | 31D | G-9 | A | A | 08.0 | GLV | MOA | C | C | AI | N | FE-CS, ST-CS(C), PI-T, LK-R | Y | SEE RHS-VCS-3 |
| 2RHS*MOV22B | 2 | 31G | K-2 | A | A | 08.0 | GLV | MOA | C | C | AI | N | FE-CS, ST-CS(C), PI-T, LK-R | Y | SEE RHS-VCS-3 |
| 2RHS*MOV23A | 2 | 31D | D-9 | A | A | 08.0 | GLV | MOA | C | C | AI | N | FE-CS, ST-CS(C), PI-T, LK-R | Y | SEE RHS-VCS-1 |

SYSTEM : RHS, RESIDUAL HEAT REMOVAL (RHR)

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RHS*MOV23B | 2 | 31G | J-4 | A | A | 08.0 | GLV | MOA | C | C | AI | N | FE-CS, ST-CS(C), PI-T, LK-R | Y | SEE RHS-VCS-1 |
| 2RHS*MOV24A | 1 | 31A | D-5 | A | A | 12.0 | GTV | MOA | C | OC | AI | Y | FE-CS, ST-CS(O&C), LJ-R, PI-T, LK-R | Y | GVRR-1, SEE RHS-VCS-1 |
| 2RHS*MOV24B | 1 | 31B | D-7 | A | A | 12.0 | GTV | MOA | C | OC | AI | Y | FE-CS, ST-CS(O&C), LJ-R, PI-T, LK-R | Y | GVRR-1, SEE RHS-VCS-1 |
| 2RHS*MOV24C | 1 | 31B | C-5 | A | A | 12.0 | GTV | MOA | C | OC | AI | Y | FE-CS, ST-CS(O&C), LJ-R, PI-T, LK-R | Y | GVRR-1, SEE RHS-VCS-1 |
| 2RHS*MOV25A | 2 | 31A | E-2 | A | A | 16.0 | GTV | MOA | C | OC | AI | Y | FE-Q, ST-Q(O&C), LJ-R, PI-T | Y | GVRR-1 |
| 2RHS*MOV25B | 2 | 31B | B-3 | A | A | 16.0 | GTV | MOA | C | OC | AI | Y | FE-Q, ST-Q(O&C), LJ-R, PI-T | Y | GVRR-1 |
| 2RHS*MOV26A | 2 | 31D | D-3 | A | A | 01.0 | GLV | MOA | C | OC | AI | Y | FE-Q, ST-Q(C), PI-T | Y | GVRR-1 |
| 2RHS*MOV26B | 2 | 31E | H-5 | A | A | 01.0 | GLV | MOA | C | OC | AI | Y | FE-Q, ST-Q(C), PI-T, LJ-R | Y | GVRR-1 |
| 2RHS*MOV27A | 2 | 31D | D-2 | A | A | 01.0 | GLV | MOA | C | OC | AI | Y | FE-Q, ST-Q(C), PI-T, LJ-R | Y | GVRR-1 |
| 2RHS*MOV27B | 2 | 31E | H-4 | A | A | 01.0 | GLV | MOA | C | OC | AI | Y | FE-Q, ST-Q(C), PI-T, LJ-R | Y | GVRR-1 |
| 2RHS*MOV2A | 2 | 31F | H-9 | B | A | 18.0 | BFV | MOA | C | OC | AI | N | FE-Q, ST-Q(O), PI-T | N | |
| 2RHS*MOV2B | 2 | 31F | G-3 | B | A | 18.0 | BFV | MOA | C | OC | AI | N | FE-Q, ST-Q(O), PI-T | N | |
| 2RHS*MOV30A | 2 | 31C | D-6 | A | A | 18.0 | BFV | MOA | O | OC | AI | Y | FE-Q, ST-Q(O&C), LJ-R, PI-T | Y | GVRR-1 |
| 2RHS*MOV30B | 2 | 31C | J-7 | A | A | 18.0 | BFV | MOA | O | OC | AI | Y | FE-Q, ST-Q(O&C), LJ-R, PI-T | Y | GVRR-1 |

SYSTEM : RHS, RESIDUAL HEAT REMOVAL (RHR)

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RHS*MOV32A | 2 | 31D | J-4 | B | A | 04.0 | GTV | MOA | C | C | AI | N | FE-Q, ST-Q(C), PI-T | N | |
| 2RHS*MOV32B | 2 | 31D | H-2 | B | A | 04.0 | GTV | MOA | C | C | AI | N | FE-Q, ST-Q(C), PI-T | N | |
| 2RHS*MOV33A | 2 | 31C | C-2 | A | A | 04.0 | GLV | MOA | C | OC | AI | Y | FE-Q, ST-Q(O&C), LJ-R, PI-T | Y | GVRR-1 |
| 2RHS*MOV33B | 2 | 31C | I-3 | A | A | 04.0 | GLV | MOA | C | OC | AI | Y | FE-Q, ST-Q(O&C), LJ-R, PI-T | Y | GVRR-1 |
| 2RHS*MOV37A | 2 | 31D | H-5 | B | A | 04.0 | GLV | MOA | C | C | AI | N | FE-Q, ST-Q(C), PI-T | N | |
| 2RHS*MOV37B | 2 | 31D | G-2 | B | A | 04.0 | GLV | MOA | C | C | AI | N | FE-Q, ST-Q(C), PI-T | N | |
| 2RHS*MOV40A | 1 | 31A | D-9 | A | A | 12.0 | GLV | MOA | C | OC | AI | Y | FE-CS, ST-CS(O), LJ-R, PI-T, LK-R | Y | GVRR-1, SEE RHS-VCS-1 |
| 2RHS*MOV40B | 1 | 31B | C-10 | A | A | 12.0 | GLV | MOA | C | OC | AI | Y | FE-CS, ST-CS(O&C), LJ-R, PI-T, LK-R | Y | GVRR-1, SEE RHS-VCS-1 |
| 2RHS*MOV4A | 2 | 31F | E-5 | B | A | 06.0 | GTV | MOA | O | OC | AI | N | FE-Q, ST-Q(C), PI-T | N | |
| 2RHS*MOV4B | 2 | 31E | D-4 | B | A | 06.0 | GTV | MOA | O | OC | AI | N | FE-Q, ST-Q(C), PI-T | N | |
| 2RHS*MOV4C | 2 | 31B | I-9 | B | A | 06.0 | GTV | MOA | O | OC | AI | N | FE-Q, ST-Q(C), PI-T | N | |
| 2RHS*MOV67A | 1 | 31A | F-10 | A | A | 02.0 | GLV | MOA | C | C | AI | Y | LJ-R, PI-T, FE-CS, ST-CS(C), LK-R | Y | RHS-VCS-1, GVRR-1 |
| 2RHS*MOV67B | 1 | 31A | K-10 | A | A | 02.0 | GLV | MOA | C | C | AI | Y | LJ-R, PI-T, FE-CS, ST-CS(C), LK-R | Y | RHS-VCS-1, GVRR-1 |
| 2RHS*MOV80A | 2 | 31D | H-9 | A | A | 01.0 | GLV | MOA | C | C | AI | N | FE-Q, ST-Q(C), PI-T, LK-R | Y | SEE RHS-VCS-3 |

SYSTEM : RHS, RESIDUAL HEAT REMOVAL (RHR)

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RHS*MOV80B | 2 | 31G | K-3 | A | A | 01.0 | GLV | MOA | C | C | AI | N | FE-Q, ST-Q(C), PI-T, LK-R | Y | SEE RHS-VCS-3 |
| 2RHS*MOV8A | 2 | 31F | B-3 | B | A | 18.0 | BFV | MOA | O | OC | AI | N | FE-Q, ST-Q(O&C), PI-T | N | |
| 2RHS*MOV8B | 2 | 31E | B-5 | B | A | 18.0 | BFV | MOA | O | OC | AI | N | FE-Q, ST-Q(O&C), PI-T | N | |
| 2RHS*MOV9A | 2 | 31F | M-2 | B | A | 18.0 | BFV | MOA | O | OC | AI | N | FE-Q, ST-Q(O&C), PI-T | N | |
| 2RHS*MOV9B | 2 | 31E | C-5 | B | A | 18.0 | BFV | MOA | O | OC | AI | N | FE-Q, ST-Q(O&C), PI-T | N | |
| 2RHS*PV21A | 2 | 31D | D-9 | A | A | 08.0 | GLV | AOA | C | C | C | N | FE-CS, ST-CS(C), FS-CS, LK-R, PI-T | Y | SEE RHS-VCS-3 |
| 2RHS*PV21B | 2 | 31G | J-2 | A | A | 08.0 | GLV | AOA | C | C | C | N | FE-CS, ST-CS(C), FS-CS, LK-R, PI-T | Y | SEE RHS-VCS-3 |
| 2RHS*RV108 | 2 | 31D | J-2 | C | A | 03.0 | REV | SEA | C | O | - | N | RT-P2 | N | |
| 2RHS*RV110 | 2 | 31F | I-8 | C | A | 0.75 | REV | SEA | C | O | - | N | RT-P2 | N | |
| 2RHS*RV152 | 2 | 31A | G-10 | A, C | A | 0.75 | REV | SEA | C | O | - | Y | RT-P2, LJ-R | Y | GVRR-1 |
| 2RHS*RV20A | 2 | 31C | A-5 | C | A | 0.75 | REV | SEA | C | O | - | N | RT-P2 | N | |
| 2RHS*RV20B | 2 | 31B | F-10 | C | A | 0.75 | REV | SEA | C | O | - | N | RT-P2 | N | |
| 2RHS*RV20C | 2 | 31B | H-6 | C | A | 0.75 | REV | SEA | C | O | - | N | RT-P2 | N | |
| 2RHS*RVV35A | 2 | 31C | D-4 | A, C | A | 10.0 | VRV | SEA | C | O | - | N | VT-P2 | Y | GVRR-1, SET AT 0.2 PSID, SUBJECT TO APPENDIX J TYPE A TEST |
| 2RHS*RVV35B | 2 | 31C | I-5 | A, C | A | 10.0 | VRV | SEA | C | O | - | N | VT-P2 | Y | GVRR-1, SET AT 0.2 PSID, SUBJECT TP APPENDIX J TYPE A TEST |

SYSTEM : RHS, RESIDUAL HEAT REMOVAL (RHR)

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RHS*RVV36A | 2 | 31C | D-4 | A, C | A | 10.0 | VRV | SEA | C | O | - | N | VT-P2 | Y | GVRR-1, SET AT 0.2 PSID, SUBJECT TO APPENDIX J TYPE A TEST |
| 2RHS*RVV36B | 2 | 31C | J-5 | A, C | A | 10.0 | VRV | SEA | C | O | - | N | VT-P2 | Y | GVRR-1, SET AT 0.2 PSID, SUBJECT TO APPENDIX J TYPE A TEST |
| 2RHS*SOV120 | 2 | 31C | C-7 | B | P | 0.75 | GLV | SOA | C | C | C | N | PI-T | N | |
| 2RHS*SOV121 | 2 | 31C | C-7 | B | P | 0.75 | GLV | SOA | C | C | C | N | PI-T | N | |
| 2RHS*SOV35A | 2 | 31D | G-7 | B | A | 0.75 | GLV | SOA | C | C | C | N | FE-Q, ST-Q(C), FS-Q, PI-T | N | |
| 2RHS*SOV35B | 2 | 31E | D-8 | B | A | 0.75 | GLV | SOA | C | C | C | N | FE-Q, ST-Q(C), FS-Q, PI-T | N | |
| 2RHS*SOV36A | 2 | 31D | G-6 | B | A | 0.75 | GLV | SOA | C | C | C | N | FE-Q, ST-Q(C), FS-Q, PI-T | N | |
| 2RHS*SOV36B | 2 | 31E | D-7 | B | A | 0.75 | GLV | SOA | C | C | C | N | FE-Q, ST-Q(C), FS-Q, PI-T | N | |
| 2RHS*SOV70A | 2 | 31D | E-10 | B | A | 01.0 | GLV | SOA | OC | C | C | N | FE-Q, ST-Q(C), FS-Q, PI-T | N | |
| 2RHS*SOV70B | 2 | 31E | J-5 | B | A | 01.0 | GLV | SOA | OC | C | C | N | FE-Q, ST-Q(C), FS-Q, PI-T | Y | SEE GVRR-3 |
| 2RHS*SOV71A | 2 | 31D | E-10 | B | A | 01.0 | GLV | SOA | OC | C | C | N | FE-Q, ST-Q(C), FS-Q, PI-T | Y | SEE GVRR-3 |
| 2RHS*SOV71B | 2 | 31E | J-6 | B | A | 01.0 | GLV | SOA | OC | C | C | N | FE-Q, ST-Q(C), FS-Q, PI-T | Y | SEE GVRR-3 |
| 2RHS*SOV72A | 2 | 31D | G-9 | B | A | 01.0 | GLV | SOA | OC | C | C | N | FE-Q, ST-Q(C), FS-Q, PI-T | Y | SEE GVRR-3 |
| 2RHS*SOV72B | 2 | 31G | J-5 | B | A | 01.0 | GLV | SOA | OC | C | C | N | FE-Q, ST-Q(C), FS-Q, PI-T | Y | SEE GVRR-3 |

SYSTEM : RHS, RESIDUAL HEAT REMOVAL (RHR)

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RHS*SOV73A | 2 | 31D | G-9 | B | A | 01.0 | GLV | SOA | OC | C | C | N | FE-Q, ST-Q(C), FS-Q, PI-T | Y | SEE GVRR-3 |
| 2RHS*SOV73B | 2 | 31G | J-5 | B | A | 01.0 | GLV | SOA | OC | C | C | N | FE-Q, ST-Q(C), FS-Q, PI-T | Y | SEE GVRR-3 |
| 2RHS*SV34A | 2 | 31D | B-2 | C | A | 04.0 | REV | SEA | C | O | - | N | RT-P2 | N | |
| 2RHS*SV34B | 2 | 31E | I-4 | C | A | 04.0 | REV | SEA | C | O | - | N | RT-P2 | N | |
| 2RHS*SV62A | 2 | 31D | A-2 | C | A | 06.0 | REV | SEA | C | O | - | N | RT-P2 | N | |
| 2RHS*SV62B | 2 | 31E | J-3 | C | A | 06.0 | REV | SEA | C | O | - | N | RT-P2 | N | |
| 2RHS*V1 | 2 | 31F | C-5 | C | A | 18.0 | CHV | SEA | C | O | N | N | FE-Q(F) | N | |
| 2RHS*V143 | 1 | 31B | C-2 | C | A | 06.0 | CHV | SEA | C | C | - | N | FE-CS(F) | N | SEE RHS-VCS-2 |
| 2RHS*V17 | 2 | 31G | D-3 | B, C | A | 02.0 | SCV | SEA | O | O | - | N | FE-Q(R) | N | SATISFACTORY COMPLETION OF THE QUARTERLY PUMP TEST VERIFIES ACCEPTABLE OPERATION OF THIS VALVE |
| 2RHS*V18 | 2 | 31G | D-3 | C | A | 02.0 | CHV | SEA | O | O | - | N | FE-Q(R) | N | SATISFACTORY COMPLETION OF THE QUARTERLY PUMP TEST VERIFIES ACCEPTABLE OPERATION OF THIS VALVE |
| 2RHS*V192 | 2 | 31E | J-2 | A | P | 0.75 | GLV | MAA | LC | LC | AI | Y | LJ-R | Y | GVRR-1 |
| 2RHS*V2 | 2 | 31E | C-4 | C | A | 18.0 | CHV | SEA | C | O | - | N | FE-Q(F) | N | |
| 2RHS*V3 | 2 | 31G | B-3 | C | A | 18.0 | CHV | SEA | C | O | - | N | FE-Q(F) | N | |
| 2RHS*V47 | 2 | 31F | C-4 | B, C | A | 02.0 | SCV | SEA | O | OC | - | N | FE-Q(R) | N | SATISFACTORY COMPLETION OF THE QUARTERLY PUMP TEST VERIFIES ACCEPTABLE OPERATION OF THIS VALVE |

SYSTEM : RHS, RESIDUAL HEAT REMOVAL (RHR)

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2RHS*V48 | 2 | 31F | D-4 | C | A | 02.0 | CHV | SEA | O | OC | - | N | FE-Q(R) | N | SATISFACTORY COMPLETION OF THE QUARTERLY PUMP TEST VERIFIES ACCEPTABLE OPERATION OF THIS VALVE |
| 2RHS*V60 | 2 | 31G | E-2 | C | A | 02.0 | CHV | SEA | O | OC | - | N | FE-Q(R) | N | SATISFACTORY COMPLETION OF THE QUARTERLY PUMP TEST VERIFIES ACCEPTABLE OPERATION OF THIS VALVE |
| 2RHS*V61 | 2 | 31G | E-1 | B, C | A | 02.0 | SCV | SEA | O | OC | - | N | FE-Q(R) | N | SATISFACTORY COMPLETION OF THE QUARTERLY PUMP TEST VERIFIES ACCEPTABLE OPERATION OF THIS VALVE |
| 2RHS*V7 | 2 | 42A | C-6 | C | A | 06.0 | CHV | SEA | C | O | - | N | FE-Q(F) | N | |
| 2RHS*V8 | 2 | 31E | E-4 | C | A | 06.0 | CHV | SEA | C | O | - | N | FE-Q(F) | N | |
| 2RHS*V9 | 2 | 31B | H-9 | C | A | 06.0 | CHV | SEA | C | O | - | N | FE-Q(F) | N | |

SYSTEM : SAS, SERVICE AIR

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2SAS*HCV160 | 2 | 19J | H-6 | A | P | 02.0 | GLV | MAA | C | C | - | Y | LJ-R, PI-T | Y | GVRR-1 |
| 2SAS*HCV161 | 2 | 19J | H-4 | A | P | 02.0 | GLV | MAA | C | C | - | Y | LJ-R, PI-T | Y | GVRR-1 |
| 2SAS*HCV162 | 2 | 19J | I-6 | A | P | 02.0 | GLV | MAA | C | C | - | Y | LJ-R, PI-T | Y | GVRR-1 |
| 2SAS*HCV163 | 2 | 19J | I-4 | A | P | 02.0 | GLV | MAA | C | C | - | Y | LJ-R, PI-T | Y | GVRR-1 |

SYSTEM : SFC, SPENT FUEL POOL COOLING AND CLEANUP (BWR)

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2SFC*AOV153 | 3 | 38A | I-10 | B | A | 08.0 | BFV | AOA | O | C | C | N | FE-Q, ST-Q(C), FS-Q, PI-T | Y | SEE GVRR-3 |
| 2SFC*AOV154 | 3 | 38A | J-10 | B | A | 08.0 | BFV | AOA | O | C | C | N | FE-Q, ST-Q(C), FS-Q, PI-T | Y | SEE GVRR-3 |
| 2SFC*AOV19A | 3 | 38C | D-7 | B | A | 08.0 | BFV | AOA | OC | C | C | N | FE-Q, ST-Q(C), FS-Q, PI-T | Y | SEE GVRR-3 |
| 2SFC*AOV19B | 3 | 38C | D-6 | B | A | 08.0 | BFV | AOA | OC | C | C | N | FE-Q, ST-Q(C), FS-Q, PI-T | Y | SEE GVRR-3 |
| 2SFC*HV17A | 3 | 38B | J-3 | B | A | 08.0 | BFV | AOA | OC | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | SEE GVRR-3 |
| 2SFC*HV17B | 3 | 38A | J-10 | B | A | 08.0 | BFV | AOA | OC | O | O | N | FE-Q, ST-Q(O), FS-Q, PI-T | Y | SEE GVRR-3 |
| 2SFC*HV18A | 3 | 38B | J-4 | B | A | 08.0 | BFV | AOA | OC | OC | C | N | FE-Q, ST-Q(O&C), FS-Q, PI-T | N | |
| 2SFC*HV18B | 3 | 38A | H-10 | B | A | 08.0 | BFV | AOA | OC | OC | C | N | FE-Q, ST-Q(O&C), FS-Q, PI-T | N | |
| 2SFC*HV37A | 3 | 38C | B-3 | B | A | 08.0 | BFV | AOA | O | C | C | N | FE-Q, ST-Q(C), FS-Q, PI-T | Y | SEE GVRR-3 |
| 2SFC*HV37B | 3 | 38C | C-3 | B | A | 08.0 | BFV | AOA | O | C | C | N | FE-Q, ST-Q(C), FS-Q, PI-T | Y | SEE GVRR-3 |
| 2SFC*V11 | 3 | 38B | C-10 | C | A | 08.0 | CHV | SEA | OC | O | - | N | FE-Q(F) | N | |
| 2SFC*V203 | 2 | 38C | F-7 | A | P | 1.50 | GLV | MAA | C | C | - | Y | LJ-R | Y | GVRR-1 |
| 2SFC*V204 | 2 | 38C | F-8 | A | P | 1.50 | GLV | MAA | C | C | - | Y | LJ-R | Y | GVRR-1 |
| 2SFC*V20A | 3 | 38B | G-3 | C | A | 08.0 | CHV | SEA | OC | OC | - | N | FE-Q(F&R) | N | |
| 2SFC*V20B | 3 | 38A | F-10 | C | A | 08.0 | CHV | SEA | OC | OC | - | N | FE-Q(F&R) | N | |
| 2SFC*V300A | 3 | 38A | A-5 | C | A | 01.0 | CHV | SEA | C | O | - | N | FE-Q(F) | N | |
| 2SFC*V300B | 3 | 38B | B-6 | C | A | 01.0 | CHV | SEA | C | O | - | N | FE-Q(F) | N | |

SYSTEM : SFC, SPENT FUEL POOL COOLING AND CLEANUP (BWR)

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2SFC*V301A | 3 | 38A | H-5 | C | A | 01.0 | CHV | SEA | C | O | - | N | FE-Q(F) | N | |
| 2SFC*V301B | 3 | 38B | I-9 | C | A | 01.0 | CHV | SEA | C | O | - | N | FE-Q(F) | N | |
| 2SFC*V302 | 3 | 38A | E-2 | C | A | 01.0 | CHV | SEA | C | O | - | N | FE-Q(F) | N | |
| 2SFC*V303 | 3 | 38A | K-7 | C | A | 01.0 | CHV | SEA | C | O | - | N | FE-Q(F) | N | |
| 2SFC*V9 | 3 | 38A | D-1 | C | A | 08.0 | CHV | SEA | OC | C | - | N | FE-Q(F) | N | COMMENCE TESTING WHEN SYSTEM IS PLACED IN SERVICE |

SYSTEM : SLS, STANDBY LIQUID CONTROL (SLC)

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2SLS*MOV1A | 2 | 36A | E-5 | B | A | 03.0 | GLV | MOA | C | O | AI | N | FE-Q, ST-Q(O), PI-T | N | |
| 2SLS*MOV1B | 2 | 36A | E-9 | B | A | 03.0 | GLV | MOA | C | O | AI | N | FE-Q, ST-Q(O), PI-T | N | |
| 2SLS*MOV5A | 1 | 36A | K-3 | A, C | A | 02.0 | SCV | MOA | OC | OC | - | Y | FE-R(F&R), ST-R(C), PI-T, LJ-R | Y | SEE SLS-VRR-1, GVRR-1, TECH SPEC 3/4.1.5 |
| 2SLS*MOV5B | 1 | 36A | J-3 | A, C | A | 02.0 | SCV | MOA | OC | OC | - | Y | FE-R(F&R), ST-R(C), PI-T, LJ-R | Y | SEE SLS-VRR-1, GVRR-1, TECH SPEC 3/4.1.5 |
| 2SLS*RV2A | 2 | 36A | H-4 | C | A | 0.75 | REV | SEA | C | O | - | N | RT-P2 | N | |
| 2SLS*RV2B | 2 | 36A | H-7 | C | A | 0.75 | REV | SEA | C | O | - | N | RT-P2 | N | |
| 2SLS*V10 | 1 | 36A | J-1 | A, C | A | 02.0 | CHV | SEA | C | OC | - | Y | FE-R(F&R), LJ-R | Y | SEE SLS-VRR-1, GVRR-1, TECH SPEC 3/4.1.5 |
| 2SLS*V12 | 2 | 36A | H-5 | C | A | 1.50 | CHV | SEA | C | O | - | N | FE-Q(F), FE-R(R) | Y | SEE SLS-VRR-2 |
| 2SLS*V14 | 2 | 36A | H-8 | C | A | 1.50 | CHV | SEA | C | O | - | N | FE-Q(F), FE-R(R) | Y | SEE SLS-VRR-2 |
| 2SLS*VEX3A | 1 | 36A | J-5 | D | A | 1.50 | EXV | EXA | C | O | - | N | EX-P5 | N | |
| 2SLS*VEX3B | 1 | 36A | J-8 | D | A | 1.50 | EXV | EXA | C | O | - | N | EX-P5 | N | |

SYSTEM : SVV, MAIN STEAM SAFETY VALVES)MAIN STEAM VENTS)MAIN STEAM DRAINS

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2SVV*RVV101 | 3 | 1A | D-6 | C | A | 10.0 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |
| 2SVV*RVV102 | 3 | 1C | D-5 | C | A | 10.0 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |
| 2SVV*RVV103 | 3 | 1D | D-6 | C | A | 10.0 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |
| 2SVV*RVV104 | 3 | 1B | D-5 | C | A | 10.0 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |
| 2SVV*RVV105 | 3 | 1C | F-5 | C | A | 10.0 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |
| 2SVV*RVV106 | 3 | 1D | F-6 | C | A | 10.0 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |
| 2SVV*RVV107 | 3 | 1A | F-6 | C | A | 10.0 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |
| 2SVV*RVV108 | 3 | 1B | E-5 | C | A | 10.0 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |
| 2SVV*RVV109 | 3 | 1C | G-5 | C | A | 10.0 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |
| 2SVV*RVV110 | 3 | 1D | H-6 | C | A | 10.0 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |
| 2SVV*RVV111 | 3 | 1A | G-6 | C | A | 10.0 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |
| 2SVV*RVV112 | 3 | 1B | G-5 | C | A | 10.0 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |
| 2SVV*RVV113 | 3 | 1C | I-5 | C | A | 10.0 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |
| 2SVV*RVV114 | 3 | 1D | J-6 | C | A | 10.0 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |
| 2SVV*RVV115 | 3 | 1A | I-6 | C | A | 10.0 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |
| 2SVV*RVV116 | 3 | 1B | H-5 | C | A | 10.0 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |
| 2SVV*RVV117 | 3 | 1C | J-5 | C | A | 10.0 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |
| 2SVV*RVV118 | 3 | 1B | J-5 | C | A | 10.0 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |
| 2SVV*RVV201 | 3 | 1A | D-6 | C | A | 10.0 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |
| 2SVV*RVV202 | 3 | 1C | D-6 | C | A | 10.0 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |
| 2SVV*RVV203 | 3 | 1D | D-6 | C | A | 10.0 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |
| 2SVV*RVV204 | 3 | 1B | D-6 | C | A | 10.0 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |

SYSTEM : SVV, MAIN STEAM SAFETY VALVES)MAIN STEAM VENTS)MAIN STEAM DRAINS

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2SVV*RVV205 | 3 | 1C | F-6 | C | A | 10.0 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |
| 2SVV*RVV206 | 3 | 1D | F-6 | C | A | 10.0 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |
| 2SVV*RVV207 | 3 | 1A | F-6 | C | A | 10.0 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |
| 2SVV*RVV208 | 3 | 1B | E-6 | C | A | 10.0 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |
| 2SVV*RVV209 | 3 | 1C | G-6 | C | A | 10.0 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |
| 2SVV*RVV210 | 3 | 1D | H-6 | C | A | 10.0 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |
| 2SVV*RVV211 | 3 | 1A | G-6 | C | A | 10.0 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |
| 2SVV*RVV212 | 3 | 1B | G-6 | C | A | 10.0 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |
| 2SVV*RVV213 | 3 | 1C | I-6 | C | A | 10.0 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |
| 2SVV*RVV214 | 3 | 1D | J-6 | C | A | 10.0 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |
| 2SVV*RVV215 | 3 | 1A | I-6 | C | A | 10.0 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |
| 2SVV*RVV216 | 3 | 1B | H-6 | C | A | 10.0 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |
| 2SVV*RVV217 | 3 | 1C | J-6 | C | A | 10.0 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |
| 2SVV*RVV218 | 3 | 1B | J-6 | C | A | 10.0 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |
| 2SVV*RVV301 | 3 | 1A | C-6 | C | A | 02.5 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |
| 2SVV*RVV302 | 3 | 1C | D-5 | C | A | 02.5 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |
| 2SVV*RVV303 | 3 | 1D | E-6 | C | A | 02.5 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |
| 2SVV*RVV304 | 3 | 1B | D-5 | C | A | 02.5 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |
| 2SVV*RVV305 | 3 | 1C | F-5 | C | A | 02.5 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |
| 2SVV*RVV306 | 3 | 1D | G-6 | C | A | 02.5 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |
| 2SVV*RVV307 | 3 | 1A | F-6 | C | A | 02.5 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |
| 2SVV*RVV308 | 3 | 1B | E-6 | C | A | 02.5 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |

SYSTEM : SVV, MAIN STEAM SAFETY VALVES)MAIN STEAM VENTS)MAIN STEAM DRAINS

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2SVV*RVV309 | 3 | 1C | G-5 | C | A | 02.5 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |
| 2SVV*RVV310 | 3 | 1D | I-6 | C | A | 02.5 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |
| 2SVV*RVV311 | 3 | 1A | G-6 | C | A | 02.5 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |
| 2SVV*RVV312 | 3 | 1B | G-5 | C | A | 02.5 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |
| 2SVV*RVV313 | 3 | 1C | I-5 | C | A | 02.5 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |
| 2SVV*RVV314 | 3 | 1D | K-6 | C | A | 02.5 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |
| 2SVV*RVV315 | 3 | 1A | I-6 | C | A | 02.5 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |
| 2SVV*RVV316 | 3 | 1B | I-5 | C | A | 02.5 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |
| 2SVV*RVV317 | 3 | 1C | J-5 | C | A | 02.5 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |
| 2SVV*RVV318 | 3 | 1B | J-5 | C | A | 02.5 | VRV | SEA | C | O | - | N | VT-P2 | N | SETPOINT = 0.2 PSID |

SYSTEM : SWP, SERVICE WATER

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2SWP*AOV154A | 3 | 11F | H-9 | B | A | 1.50 | PGV | AOA | OC | 0 | 0 | N | FE-Q, ST-Q(O), FS-Q, PI-T | N | PERIODIC TESTING WITH 2HVC*UC101A |
| 2SWP*AOV154B | 3 | 11F | D-8 | B | A | 1.50 | PGV | AOA | OC | 0 | 0 | N | FE-Q, ST-Q(O), FS-Q, PI-T | N | PERIODIC TESTING WITH 2HVC*UC101B |
| 2SWP*AOV20A | 3 | 11C | F-4 | B | A | 1.50 | GTV | AOA | C | 0 | 0 | N | FE-Q, ST-Q(O), FS-Q, PI-T | N | |
| 2SWP*AOV20B | 3 | 11P | G-7 | B | A | 02.0 | GTV | AOA | C | 0 | 0 | N | FE-Q, ST-Q(O), FS-Q, PI-T | N | |
| 2SWP*AOV22A | 3 | 11C | H-3 | B | A | 1.50 | GTV | AOA | C | 0 | 0 | N | FE-Q, ST-Q(O), FS-Q, PI-T | N | |
| 2SWP*AOV22B | 3 | 11P | J-10 | B | A | 02.0 | GTV | AOA | C | 0 | 0 | N | FE-Q, ST-Q(O), FS-Q, PI-T | N | |
| 2SWP*AOV571 | 3 | 11F | E-4 | B | A | 1.50 | PGV | AOA | OC | 0 | 0 | N | FE-Q, ST-Q(O), FS-Q, PI-T | N | PERIODIC TESTING WITH 2HVC*UC105 |
| 2SWP*AOV572 | 3 | 11P | A-5 | B | A | 02.0 | PGV | AOA | OC | 0 | 0 | N | FE-Q, ST-Q(O), FS-Q, PI-T | N | PERIODIC TESTING WITH 2HVC*UC104 |
| 2SWP*AOV573 | 3 | 11F | J-9 | B | A | 02.0 | PGV | AOA | OC | 0 | 0 | N | FE-Q, ST-Q(O), FS-Q, PI-T | N | PERIODIC TESTING WITH 2HVC*UC106 |
| 2SWP*AOV574 | 3 | 11F | F-9 | B | A | 02.0 | PGV | AOA | OC | 0 | 0 | N | FE-Q, ST-Q(O), FS-Q, PI-T | N | PERIODIC TESTING WITH 2HVC*UC107 |
| 2SWP*AOV581 | 3 | 11F | B-9 | B | A | 1.50 | PGV | AOA | OC | 0 | 0 | N | FE-Q, ST-Q(O), FS-Q, PI-T | N | PERIODIC TESTING WITH 2HVC*UC102 |
| 2SWP*AOV78A | 3 | 11Q | E-9 | B | A | 02.0 | PGV | AOA | OC | 0 | 0 | N | FE-Q, ST-Q(O), FS-Q | N | PERIODIC TESTING WITH 2HVC*UC108A |
| 2SWP*AOV78B | 3 | 11Q | J-9 | B | A | 02.0 | PGV | AOA | OC | 0 | 0 | N | FE-Q, ST-Q(O), FS-Q | N | PERIODIC TESTING WITH 2HVC*UC108B |
| 2SWP*AOV97A | 3 | 11E | D-6 | B | A | 06.0 | PGV | AOA | C | 0 | 0 | N | FE-Q, ST-Q(O), FS-Q, PI-T | N | PERIODIC TESTING WITH 2HVR*UC413A |
| 2SWP*AOV97B | 3 | 11F | I-5 | B | A | 06.0 | PGV | AOA | C | 0 | 0 | N | FE-Q, ST-Q(O), FS-Q, PI-T | N | PERIODIC TESTING WITH 2HVR*UC413B |

SYSTEM : SWP, SERVICE WATER

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2SWP*MOV15A | 3 | 11P | G-2 | B | P | 02.5 | GTV | MOA | O | O | AI | N | PI-T | N | |
| 2SWP*MOV15B | 3 | 11G | B-7 | B | P | 02.5 | GTV | MOA | O | O | AI | N | PI-T | N | |
| 2SWP*MOV17A | 3 | 11P | J-3 | B | A | 12.0 | GTV | MOA | C | O | AI | N | FE-Q, ST-Q(O), PI-T | N | VALVE IS PASSIVE UNTIL FIRST REFUELING |
| 2SWP*MOV17B | 3 | 11G | I-8 | B | A | 12.0 | GTV | MOA | C | O | AI | N | FE-Q, ST-Q(O), PI-T | N | VALVE IS PASSIVE UNTIL FIRST REFUELING |
| 2SWP*MOV18A | 3 | 11P | J-4 | B | A | 12.0 | GTV | MOA | C | O | AI | N | FE-Q, ST-Q(O), PI-T | N | VALVE IS PASSIVE UNTIL FIRST REFUELING |
| 2SWP*MOV18B | 3 | 11G | I-9 | B | A | 12.0 | GTV | MOA | C | O | AI | N | FE-Q, ST-Q(O), PI-T | N | VALVE IS PASSIVE UNTIL FIRST REFUELING |
| 2SWP*MOV19A | 3 | 11D | B-3 | B | A | 30.0 | BFV | MOA | O | C | AI | N | FE-CS, ST-CS(C), PI-T | Y | SEE SWP-VCS-1 |
| 2SWP*MOV19B | 3 | 11D | C-3 | B | A | 30.0 | BFV | MOA | O | C | AI | N | FE-CS, ST-CS(C), PI-T | Y | SEE SWP-VCS-1 |
| 2SWP*MOV21A | 3 | 11E | H-3 | B | A | 03.0 | GTV | MOA | O | O | AI | N | FE-Q, ST-Q(O), PI-T | N | VALVE IS PASSIVE UNTIL FIRST REFUELING |
| 2SWP*MOV21B | 3 | 11F | H-2 | B | A | 03.0 | GTV | MOA | O | O | AI | N | FE-Q, ST-Q(O), PI-T | N | VALVE IS PASSIVE UNTIL FIRST REFUELING |
| 2SWP*MOV30A | 3 | 11H | D-4 | B | A | 72.0 | GTV | MOA | O | OC | AI | N | FE-Q, ST-Q(C), PI-T | N | |
| 2SWP*MOV30B | 3 | 11H | D-4 | B | A | 72.0 | GTV | MOA | O | OC | AI | N | FE-Q, ST-Q(C), PI-T | N | |
| 2SWP*MOV33A | 3 | 11C | K-6 | B | A | 18.0 | BFV | MOA | C | O | AI | N | FE-Q, ST-Q(O), PI-T | N | |
| 2SWP*MOV33B | 3 | 11P | E-10 | B | A | 18.0 | BFV | MOA | C | O | AI | N | FE-Q, ST-Q(O), PI-T | N | |
| 2SWP*MOV3A | 3 | 11B | K-3 | B | A | 30.0 | BFV | MOA | O | C | AI | N | FE-CS, ST-CS(C), PI-T | Y | SEE SWP-VCS-3 |

SYSTEM : SWP, SERVICE WATER

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2SWP*MOV3B | 3 | 11B | K-3 | B | A | 30.0 | BFV | MOA | O | C | AI | N | FE-CS, ST-CS(C), PI-T | Y | SEE SWP-VCS-3 |
| 2SWP*MOV50A | 3 | 11A | H-6 | B | A | 36.0 | BFV | MOA | O | C | AI | N | FE-CS, ST-CS(C), PI-T | Y | SEE SWP-VCS-3 |
| 2SWP*MOV50B | 3 | 11A | G-6 | B | A | 36.0 | BFV | MOA | O | C | AI | N | FE-CS, ST-CS(C), PI-T | Y | SEE SWP-VCS-3 |
| 2SWP*MOV66A | 3 | 11L | B-6 | B | A | 08.0 | GTV | MOA | C | O | AI | N | FE-Q, ST-Q(O), PI-T | N | |
| 2SWP*MOV66B | 3 | 11L | E-6 | B | A | 08.0 | GTV | MOA | C | O | AI | N | FE-Q, ST-Q(O), PI-T | N | |
| 2SWP*MOV67A | 3 | 11J | I-2 | B | A | 04.0 | GTV | MOA | OC | O | AI | N | FE-Q, ST-Q(C), PI-T | N | |
| 2SWP*MOV67B | 3 | 11J | D-2 | B | A | 04.0 | GTV | MOA | OC | O | AI | N | FE-Q, ST-Q(C), PI-T | N | |
| 2SWP*MOV74A | 3 | 11B | E-3 | B | A | 18.0 | BFV | MOA | OC | OC | AI | N | FE-Q, ST-Q(O&C), PI-T | N | |
| 2SWP*MOV74B | 3 | 11A | J-2 | B | A | 18.0 | BFV | MOA | OC | OC | AI | N | FE-Q, ST-Q(O&C), PI-T | N | |
| 2SWP*MOV74C | 3 | 11A | J-7 | B | A | 18.0 | BFV | MOA | OC | OC | AI | N | FE-Q, ST-Q(O&C), PI-T | N | |
| 2SWP*MOV74D | 3 | 11A | E-2 | B | A | 18.0 | BFV | MOA | OC | OC | AI | N | FE-Q, ST-Q(O&C), PI-T | N | |
| 2SWP*MOV74E | 3 | 11B | J-4 | B | A | 18.0 | BFV | MOA | OC | OC | AI | N | FE-Q, ST-Q(O&C), PI-T | N | |
| 2SWP*MOV74F | 3 | 11A | E-7 | B | A | 18.0 | BFV | MOA | OC | OC | AI | N | FE-Q, ST-Q(O&C), PI-T | N | |
| 2SWP*MOV77A | 3 | 11H | D-3 | B | A | 48.0 | GTV | MOA | C | O | AI | N | FE-R, ST-R(O), PI-T | Y | SEE SWP-VRR-1 |
| 2SWP*MOV77B | 3 | 11H | D-3 | B | A | 48.0 | GTV | MOA | C | O | AI | N | FE-R, ST-R(O), PI-T | Y | SEE SWP-VRR-1 |

SYSTEM : SWP, SERVICE WATER

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2SWP*MOV90A | 3 | 11C | K-4 | B | A | 18.0 | BFV | MOA | C | O | AI | N | FE-Q, ST-Q(O), PI-T | N | |
| 2SWP*MOV90B | 3 | 11P | E-8 | B | A | 18.0 | BFV | MOA | C | O | AI | N | FE-Q, ST-Q(O), PI-T | N | |
| 2SWP*MOV94A | 3 | 11L | I-8 | B | A | 08.0 | GTV | MOA | C | O | AI | N | FE-Q, ST-Q(O), PI-T | N | |
| 2SWP*MOV94B | 3 | 11L | H-7 | B | A | 08.0 | GTV | MOA | C | O | AI | N | FE-Q, ST-Q(O), PI-T | N | |
| 2SWP*MOV95A | 3 | 11L | C-2 | B | A | 08.0 | GTV | MOA | O | OC | AI | N | FE-Q, ST-Q(C), PI-T | N | |
| 2SWP*MOV95B | 3 | 11L | F-3 | B | A | 08.0 | GTV | MOA | O | OC | AI | N | FE-Q, ST-Q(C), PI-T | N | |
| 2SWP*RV34A | 3 | 11C | L-5 | C | A | 04.0 | REV | SEA | C | O | AI | N | RT-P2 | N | |
| 2SWP*RV34B | 3 | 11P | E-8 | C | A | 04.0 | REV | SEA | C | O | AI | N | RT-P2 | N | |
| 2SWP*V1002A | 3 | 11E | H-3 | C | A | 03.0 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | SEE SWP-VRR-3, VALVE IS PASSIVE UNTIL FIRST REFUELING |
| 2SWP*V1002B | 3 | 11F | H-2 | C | A | 03.0 | CHV | SEA | C | O | - | N | FE-Q(F) | Y | SEE SWP-VRR-3, VALVE IS PASSIVE UNTIL FIRST REFUELING |
| 2SWP*V1024 | 3 | 11E | I-2 | C | A | 06.0 | CHV | SEA | O | OC | - | N | FE-R(R), FE-Q(F) | Y | TEST PER TECH SPEC 4.7.1.1.1.D, SEE SWP-VRR-2 |
| 2SWP*V1025 | 3 | 11F | F-1 | C | A | 06.0 | CHV | SEA | O | OC | - | N | FE-R(R), FE-Q(F) | Y | TEST PER TECH SPEC 4.7.1.1.1.D, SEE SWP-VRR-2 |
| 2SWP*V1027 | 3 | 11A | B-7 | C | A | 30.0 | CHV | SEA | OC | OC | - | N | FE-R(R), FE-Q(F) | Y | TEST PER TECH SPEC 4.7.1.1.1.D, SEE SWP-VRR-2 |
| 2SWP*V1A | 3 | 11B | E-8 | C | A | 18.0 | CHV | SEA | OC | OC | - | N | FE-Q(F&R) | N | |

SYSTEM : SWP, SERVICE WATER

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2SWP*V1B | 3 | 11A | J-4 | C | A | 18.0 | CHV | SEA | OC | OC | - | N | FE-Q(F&R) | N | |
| 2SWP*V1C | 3 | 11A | J-9 | C | A | 18.0 | CHV | SEA | OC | OC | - | N | FE-Q(F&R) | N | |
| 2SWP*V1D | 3 | 11A | E-4 | C | A | 18.0 | CHV | SEA | OC | OC | - | N | FE-Q(F&R) | N | |
| 2SWP*V1E | 3 | 11B | J-8 | C | A | 18.0 | CHV | SEA | OC | OC | - | N | FE-Q(F&R) | N | |
| 2SWP*V1F | 3 | 11A | E-9 | C | A | 18.0 | CHV | SEA | OC | OC | - | N | FE-Q(F&R) | N | |
| 2SWP*V201A | 3 | 11F | B-6 | C | A | 01.2 | CHV | SEA | OC | O | - | N | FE-Q(F) | N | |
| 2SWP*V201B | 3 | 11F | B-6 | C | A | 01.2 | CHV | SEA | OC | O | - | N | FE-Q(F) | N | |
| 2SWP*V202A | 3 | 11B | C-2 | C | A | 30.0 | CHV | SEA | OC | OC | - | N | FE-R(R), FE-Q(F) | Y | TEST PER TECH SPEC 4.7.1.1.1.D, SEE SWP-VRR-2 |
| 2SWP*V219A | 3 | 11J | I-3 | C | A | 04.0 | CHV | SEA | OC | OC | - | N | FE-Q(F) | N | |
| 2SWP*V219B | 3 | 11J | D-3 | C | A | 04.0 | CHV | SEA | OC | OC | - | N | FE-Q(F) | N | |
| 2SWP*V240A | 3 | 11J | J-5 | C | A | 04.0 | CHV | SEA | OC | OC | - | N | FE-Q(F&R) | N | |
| 2SWP*V240B | 3 | 11J | E-5 | C | A | 04.0 | CHV | SEA | OC | OC | - | N | FE-Q(F&R) | N | |
| 2SWP*V259 | 3 | 11L | I-3 | C | A | 08.0 | CHV | SEA | OC | OC | - | N | FE-Q(F&R) | N | |
| 2SWP*V260 | 3 | 11L | I-3 | C | A | 08.0 | CHV | SEA | OC | OC | - | N | FE-Q(F&R) | N | |
| 2SWP*V75A | 3 | 11L | D-7 | C | A | 08.0 | CHV | SEA | C | O | - | N | FE-Q(F&R) | N | |
| 2SWP*V75B | 3 | 11L | E-7 | C | A | 08.0 | CHV | SEA | C | O | - | N | FE-Q(F&R) | N | |
| 2SWP*V800A | 3 | 11F | B-9 | C | A | 01.2 | CHV | SEA | OC | O | - | N | FE-Q(F) | N | |
| 2SWP*V800B | 3 | 11F | C-9 | C | A | 01.2 | CHV | SEA | OC | O | - | N | FE-Q(F) | N | |
| 2SWP*V802A | 3 | 11F | B-10 | C | A | 03.0 | CHV | SEA | OC | O | - | N | FE-Q(F) | N | |
| 2SWP*V802B | 3 | 11F | C-10 | C | A | 03.0 | CHV | SEA | OC | O | - | N | FE-Q(F) | N | |

APPENDI[illegible]
FIRST T[illegible]AR INTERVAL
VALVE INSERVICE TES[illegible] PROGRAM TABLE
NINE MILE POINT NUCLEAR POWER STATION - UNIT 2

SYSTEM : WCS, REACTOR WATER CLEANUP (RWCU)

| VALVE NUMBER | CODE CLASS | P & ID | COORD | VCAT | ACT PAS | SIZE | VALVE TYPE | ACTUAT TYPE | POSITIONS NRM | SAF | FAL | TYPE C | TEST FREQ.(DIR) | RELIEF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2WCS*EFV221 | 2 | 37A | G-7 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-R(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2WCS*EFV222 | 2 | 37A | G-5 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-R(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2WCS*EFV223 | 2 | 37A | H-4 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-R(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2WCS*EFV224 | 2 | 37A | H-3 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | PI-T, FE-R(F), LJ-R | Y | GVRR-2, GVRR-1 |
| 2WCS*EFV300 | 2 | 37A | G-6 | A, C | A | 0.75 | CHV | SEA | O | C | - | N | LJ-R, FE-R(F), PI-T | Y | GVRR-2, GVRR-1 |
| 2WCS*MOV102 | 1 | 37A | F-5 | A | A | 08.0 | GLV | MOA | O | C | AI | Y | FE-CS, ST-CS(Q), PI-T, LJ-R | Y | SEE GVRR-1 |
| 2WCS*MOV112 | 1 | 37A | G-5 | A | A | 08.0 | GLV | MOA | O | C | AI | Y | FE-CS, ST-CS(Q), PI-T, LJ-R | Y | WCS-VCS-1, GVRR-1 |
| 2WCS*MOV200 | 1 | 37B | D-9 | A | A | 08.0 | GLV | MOA | O | C | AI | Y | FE-CS, ST-CS(Q), PI-T, LJ-R | Y | GVRR-1, WCS-VCS-1 |

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