

WOLF CREEK

NUCLEAR OPERATING CORPORATION

WCOP-02

REVISION 11

INSERVICE TESTING PROGRAM FOR PUMPS AND VALVES

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1.0 INTRODUCTION

The Wolf Creek Generating Station ASME Inservice Testing Program for pumps and valves will be in effect through the second 120 month inspection period and will be updated in accordance with the requirements of 10 CFR 50.55a(f).

This document outlines the Inservice Testing (IST) Program based on the requirements of Section XI of the ASME Boiler & Pressure Vessel Code, 1989 Edition.

The Inservice Inspection (ISI) Classification Boundaries are identical to the Design Classification or Quality Group Boundaries shown on the plant Piping and Instrument Diagrams (P&IDs) listed in Table 1.1. Some valves within the ISI Boundaries are identified as non-classed (NC). This IST Program was developed using the ISI Classification Boundaries and the following documents:

Title 10, Code of Federal Regulations, Part 50, Paragraph 50.55a(f)

NRC Regulatory Guides Division 1

Standard Review Plan 3.9.6, "Inservice Testing of Pumps and Valves"

Division 1 (draft), Regulatory Guide and Value/Impact Statement, "Identification of Valves for Inclusion in Inservice Test Programs"

"NRC Staff Guidance for Preparing Pump and Valve Testing Programs and Associated Relief Request," January 1978

Final Safety Analysis Report, Wolf Creek Generating Station

Technical Specifications, Wolf Creek Generating Station

Generic Letter No. 89-04, Guidance on Developing Acceptable Inservice Testing Programs

WM 93-0030, Revised Schedule for Completion for Corrective Action on IST Valve Program/Procedures Upgrade

NUREG-1482, "Guidelines for Inservice Testing at Nuclear Power Plants"

The Inservice Tests identified in this program will verify the operational readiness of pumps and valves whose functions are required to mitigate the consequences of an accident or to bring the Reactor to and maintain a Cold Shutdown condition.

Table 1.1

PIPING AND INSTRUMENTATION DIAGRAMS

<u>SYSTEM</u>	<u>P&ID</u>
MAIN STEAM SYSTEM	M-12AB01 M-12AB02
MAIN FEEDWATER SYSTEM	M-02AE02
AUXILIARY FEEDWATER SYSTEM	M-12AL01
CONDENSATE STORAGE AND TRANSFER SYSTEM	M-02AP01
REACTOR COOLANT SYSTEM	M-12BB01 M-12BB02 M-02BB03 M-12BB04
CHEMICAL & VOLUME CONTROL SYSTEM	M-12BG01 M-12BG02 M-12BG03 M-12BG04 M-12BG05
REACTOR MAKE-UP WATER SYSTEM	M-12BL01
STEAM GENERATOR BLOWDOWN SYSTEM	M-12BM01
BORATED REFUELING WATER STORAGE SYSTEM	M-12BN01
FUEL POOL COOLING AND CLEAN-UP SYSTEM	M-12EC01 M-02EC02
ESSENTIAL SERVICE WATER SYSTEM	M-K2EF01 M-02EF01 M-02EF02
COMPONENT COOLING WATER SYSTEM	M-12EG01 M-12EG02 J2EG03
RESIDUAL HEAT REMOVAL SYSTEM	M 12EJ01
HIGH PRESSURE COOLANT INJECTION SYSTEM	M-12EM01 M-12EM02
CONTAINMENT SPRAY SYSTEM	M-12EN01
ACCUMULATOR SAFETY INJECTION SYSTEM	M-02EP01

Table 1.1

PIPING AND INSTRUMENTATION DIAGRAMS

<u>SYSTEM</u>	<u>P&ID</u>
AUXILIARY TURBINES-AUXILIARY FEEDWATER PUMP TURBINE	M-12FC02
CONTAINMENT HYDROGEN CONTROL SYSTEM	M-12GS01
CONTAINMENT PURGE SYSTEM	M-12GT01
LIQUID RADWASTE SYSTEM	M-12HB01
DECONTAMINATION SYSTEM	M-02HD01
EMERGENCY FUEL OIL SYSTEM	M-12JE01
COMPRESSED AIR SYSTEM	M-02KA01 M-02KA02 M-02KA05
CONTAINMENT BREATHING AIR	M-12KB01
FIRE PROTECTION SYSTEM	M-12KC02
STANDBY DIESEL GENERATOR	M-02KJ01 M-12KJ02 M-02KJ03 M-02KJ04 M-12KJ05 M-02KJ06
REACTOR BUILDING AND HOT MACHINE SHOP FLOOR AND EQUIPMENT DRAIN SYSTEM	M-12LF03 M-02LF09
NUCLEAR SAMPLING SYSTEM	M-12SJ01 M-12SJ04

2.0 INSERVICE TESTING PROGRAM FOR PUMPS

2.1 General Information

2.1.1 Applicable Code

This testing program for ISI Class 1, 2 and 3 Pumps meets the requirements of Subsection IWP of Section XI of the ASME Boiler and Pressure Vessel Code, 1989 Edition as modified by 10 CFR 50.55a(b)(2)(viii) to reference the 1987-88a edition of ASME O&M Part 6, "Inservice Testing of Pumps in Light-Water Reactor Power Plants". Where these requirements are determined to be impractical, specific requests for relief are written and included in Section 2.2. Generic Letter No. 89-04 and NUREG 1482 has been used as guidance to improve the IST Program. Certain exceptions to Section XI have been taken as allowed in the Generic Letter and the NUREG.

2.1.2 Pump Program Tables

The tables in Appendix A list all pumps included in the Wolf Creek Generating Station (WCGS) IST Program. Data contained in these tables identifies those pumps subject to Inservice Testing, the Inservice Test quantities to be measured, the Inservice Testing Frequency, and any applicable remarks. The column headings are listed and explained below:

PUMP IDENTIFICATION

- PUMP NUMBER: The Pump Identification Number.
- SYSTEM: The System of which the pump is a Component.
- ISI CLASS: The ISI Classification of the pump.
- P&ID NUMBER: The WCGS Drawing Number for the P&ID referring to the pump.
- P&ID COORD: The drawing coordinate location of the pump on the P&ID.

IST REQUIREMENTS

PUMP SPEED, DIFFERENTIAL PRESSURE, FLOW RATE, VIBRATION: When the word "YES" appears in a particular test quantity column, that quantity will be measured or observed during Inservice Testing in accordance with ASME O&M Part 6 1987-88a. If a modified test is planned or a test is being waived, a request for relief number will appear in the test quantity column referencing the pump relief request.

IST REQUIREMENTS (continued)

Requests for relief are identified as 2PR-X, where X is the sequential number of the relief. The requests for relief are included in Section 2.2.

2.1.3 Measurement of Test Quantities

SPEED: Per section ASME O&M Part 6 1987-88a 4.6.3, rotational speed measurements of variable speed pumps shall be taken by a method which meets the requirements of section ASME O&M Part 6 1987-88a 4.6.1.

DIFFERENTIAL PRESSURE: Differential pressure will be calculated from inlet and discharge pressure measurements or by direct differential pressure measurement.

FLOW RATE: Flow rate will be measured using a rate or quantity meter installed in the pump test circuit.

VIBRATION: Pump vibration will be measured with a digital vibration meter in accordance with the applicable sections ASME O&M Part 6 1987-88a 4.6.1 and 4.6.4.

2.1.4 Allowable Ranges of Test Quantities

The allowable ranges specified in Table 3 will be used for differential pressure, flow and vibration measurements. Should a measured test quantity fall outside the allowable range, corrective action per ASME O&M Part 6 1987-88a 6.1 shall be followed and records maintained in accordance with ASME O&M Part 6 1987-88a 7.4.

2.1.5 Instrument Accuracy

Allowable instrument accuracies are given in ASME O&M Part 6 1987-88a Table 1. If the accuracies of the station's instruments are not acceptable, temporary instruments meeting those requirements in ASME O&M Part 6 1987-88a Table 1 will be used.

SECTION 2.2

RELIEF REQUESTS FOR PUMP TESTING PROGRAM

RELIEF REQUEST NO. 2PR-1

PUMPS:

PJE01A and B, Emergency Fuel Oil Transfer Pumps

CLASS:

ISI Class 3

TEST REQUIREMENT:

OMa-1988 Part 6 section 4.6.4(a) On centrifugal pumps, measurements shall be taken...on each accessible pump bearing housing.

BASIS FOR RELIEF:

The Emergency Fuel Oil Transfer pumps are submerged within the Diesel Fuel Oil tanks, thus inaccessible. Therefore, a vibration measurement is impractical.

ALTERNATE TESTING:

The Emergency Fuel Oil Transfer pumps will be refurbished or replaced during the Technical Specification 4.8.1.1.2.i.1 required drain down and inspection of the Diesel Fuel Oil tanks (ref. Regulatory Guide 1.137). Given the history of reliability for these pumps, this periodic replacement will provide adequate assurance that bearing degradation will not result in pump failure.

RELIEF REQUEST NO. 2PR-2

PUMPS:

PEJ01A&B, Residual Heat Removal Pumps A and B

CLASS:

ISI Class 2

TEST REQUIREMENT:

OMa-1988 Part 6 section 4.6.1.2. The full scale range of each analog instrument shall not be greater than three times the reference value.

BASIS FOR RELIEF:

Pump discharge pressure is compared to pump suction pressure to determine pump differential pressure. Reference values for discharge pressure for these pumps are between 200 psig and 300 psig. This would require a discharge pressure gauge of 0-600 psig maximum. The accuracy required for this gauge would be 2% of 600 psig which is +/- 12 psig. The permanent discharge pressure gauges currently installed are 0-700 psig with a tolerance of less than +/- 12 psig. Although the permanent instruments are above the maximum range limits they are within the accuracy requirements and are therefore suitable for the test. Reference NUREG 1482 Section 5.5.1.

ALTERNATE TESTING:

Use the present permanently installed discharge pressure gauges

RELIEF REQUEST NO. 2PR-3

PUMPS:

PBG05A&B, Centrifugal Charging Pumps A and B

CLASS:

ISI Class 2

TEST REQUIREMENT:

OMa-1988 Part 6 section 4.6.1.2. The full scale range of each analog instrument shall not be greater than three times the reference value.

BASIS FOR RELIEF:

Reference values for suction pressures for these pumps are between 30 psig and 40 psig. This would require suction pressure gauges of 0-90 psig maximum. The accuracy required for this gauge would be 2% of 90 psig which is +/- 1.8 psig. The permanent suction pressure gauges currently installed are 0-150 psig +/- 1.0 psig. Although the permanent instruments are above the maximum range limits they are within the accuracy requirements and are therefore suitable for the test. Reference NUREG 1482 Section 5.5.1.

ALTERNATE TESTING:

Use the present permanently installed suction pressure gauges

RELIEF REQUEST NO. 2PR-4

PUMPS:

PAL01A&B; PAL02, Motor Driven and Turbine Driven
Auxiliary Feedwater Pumps Pumps

CLASS:

ISI Class 2

TEST REQUIREMENT:

OMa-1988 Part 6 Section 4.6.1.2. The full scale range of each analog instrument shall not be greater than three times the reference value.

BASIS FOR RELIEF:

Pump discharge pressure is compared to pump suction pressure to determine pump differential pressure. Reference values for suction pressure for these pumps is about 15 psig. This would require a suction pressure gauge of 0-45 psig maximum. The accuracy required for this gauge would be 2% of 45 psig which is +/- 0.9 psig. The permanent discharge pressure gauges currently installed are 0-60 psig with a tolerance less than +/- 0.9 psig. Although the permanent instruments are above the maximum range limits they are within the accuracy requirements and are therefore suitable for the test. Reference NUREG 1482 Section 5.5.1.

ALTERNATE TESTING:

Use the present permanently installed suction pressure gauges

3.0 INSERVICE TESTING PROGRAM FOR VALVES

3.1 General Information

3.1.1 Applicable Code

This testing program for ISI Class 1, 2, 3, and NC Valves meets the requirements of Subsection IWV of Section XI of the ASME Boiler and Pressure Vessel Code, 1989 Edition as modified by 10 CFR 50.55a(b)(2)(viii) to reference the 1987-1988a edition of ASME O&M Part 10, "Inservice Testing of Valves in Light-Water Reactor Power Plants", (Note 5). Where these requirements are determined to be impractical, specific requests for relief have been written and included in Section 3.2.

3.1.2 Valve Program Tables

The tables in Appendix B list all ISI Class 1, 2, 3, and NC Valves that have been assigned Valve Categories. Valves exempt per OMA-1988 Part 10 Section 1.2 are not listed. The following information is included for each valve.

VALVE IDENTIFICATION AND IST REQUIREMENTS

SYSTEM-P&ID: Located in the top right hand corner of the program table as Drawing Number (DWG. No.). This identifies the valve's associated system and P&ID.

VALVE NO: The Valve Identification Number.

P&ID COOR.: The drawing coordinate location on the P&ID for the valve.

ISI CLASS: The ISI Classification of the valve (NC = Non ASME Code Class).

ISI CAT.: The category(s) assigned to the valve based on the definitions per IWV-2200. Four (4) separate categories are defined in the Code:

Category A - Valves for which seat leakage is limited to a specific maximum amount in the CLOSED position for fulfillment of their function.

Category B - Valves for which seat leakage in the CLOSED position is inconsequential for fulfillment of their function.

Category C - Valves which are self-actuating in response to some System characteristic, such as Pressure (Relief Valves) or Flow Direction Check Valves).

Category D - Valves which are actuated by an energy source capable of only one operation, such as Rupture Disks or Explosive-Actuated Valves.

VALVE SIZE: The nominal size of the valve in inches.

VALVE TYPE: The Valve Body Design as indicated by the following abbreviations:

ANGLE	ANG
BALL	BAL
BUTTERFLY	BTF
CHECK	CK
DIAPHRAGM	DIA
GATE	GA
GLOBE	GL
RELIEF	RV
RUPTURE DIAPHRAGM	RPD
SAFETY	SV
STOP CHECK	SCK
THREE WAY	TWY

ACT. TYPE: The type of Valve Actuator as indicated by the following abbreviations:

MOTOR OPERATION	MO
AIR OPERATOR	AO
SOLENOID OPERATOR	SO
HYDRAULIC OPERATOR	HO
MANUAL	M
SELF ACTUATED	SA

NORM. POS.: The normal position of the valve during regular plant operation, specified as follows:

O	OPEN
C	CLOSED
L	LOCKED

TEST ROMT: The test(s) that will be performed to fulfill the requirements of Part 10. The test definitions and abbreviations used are identified in Table 3.1-1.

TEST FREQ.: The frequency at which the above mentioned tests will be performed. Test frequencies are defined in Table 3.1-2.

RELIEF REQUEST: The reference to a Relief Request in Section 3.2 for valve testing. Requests for relief are identified as 2VR-XX.

NOTES: This contains any specific comments pertaining to that valve. (NOTES are located in the back of Appendix B).

TEST PROCEDURE: This references the test procedure that the applicable test is performed in.

TABLE 3.1-1

INSERVICE VALVE TESTS

<u>TEST</u>	<u>TEST NAME</u>	<u>TEST DESCRIPTION</u>
AT-1	Type C Leak Test	Containment Isolation Valves will be Seat Leak Tested in accordance with WCGS Technical Specification Requirements and Appendix J, 10 CFR 50.
AT-2	Pressure Isolation Valve Leak Test	Those valves so designated will be Leak Tested in accordance with WCGS Technical Specification 4.4.6.2.2.
AT-3	Accumulator Check Valve Test	Check Valves designed to maintain air-accumulator charge upon loss of normal plant service or Instrument Air will be subjected to air pressure drop.
AT-4	Other Analyzed Valves Leak Test	Valves not specified as AT-1, AT-2, or AT-3, but for which seat leakage is required to be limited to a specific maximum amount will be leak tested in accordance OMa-1988 Part 10 Section 4.2.2.

TABLE 3.1-1

INSERVICE VALVE TESTS
(Continued)

<u>TEST</u>	<u>TEST NAME</u>	<u>TEST DESCRIPTION</u>
BT-O	Full-Stroke Exercise Test to the OPEN Position (OMa-1988 Part 10 Section 4.2.1.2 and 4.2.1.3)	Exercise testing in the open direction, verified by Stroke Time Measurement, will be performed to confirm the full stroke capability of each valve. The stroke direction tested and timed (OPEN) is based on the direction the Valve Disk must travel to fulfill a safety function.
BT-C	Full-Stroke Exercise Test to the CLOSED (OMa-1988 Part 10 Section 4.2.1.2 and 4.2.1.3)	Exercise testing in the CLOSED direction, verified Position by Stroke Time Measurement, will be performed to confirm the full stroke capability of each valve. The stroke direction tested and timed (CLOSE) is based on the direction the Valve Disk must travel to fulfill a safety function.
BT-P	Partial-Stroke Exercise Test (OMa-1988 Part 10 Section 4.2.1.2 and 4.2.1.3)	Partial-Stroke Exercise Testing will be performed to confirm partial stroke capability of each valve. The stroke direction tested is based on the direction the Valve Disk must travel to fulfill a safety function.
CVT-O	Check Valve Exercise Test to OPEN Position (OMa-1988 Part 10 Section 4.3.2.2 and 4.3.2.4)	Check Valves will be verified in the full OPEN Position. Verification of Safety Basis System Flow through a Check Valve shall be an adequate demonstration the valve is full OPEN.

TABLE 3.1-1

INSERVICE VALVE TESTS

(Continued)

<u>TEST</u>	<u>TEST NAME</u>	<u>TEST DESCRIPTION</u>
CVT-C	Check Valve Exercise Test to CLOSED Position (OMa-1988 Part 10 Section 4.3.2.2 and 4.3.2.4)	If a check valve performs a safety function only in the closed position, demonstration of a full-stroke open before verification of closure capability need not be performed. If the check valve performs a safety function in the closed position, the normal position for the valve is closed, and position can be verified during normal plant operation, then quarterly documentation will be performed to meet Code requirements. If a valve performs a safety function in both the open and closed position, the valve will be exercised to the open position and then be verified to close. (Minutes of the Public Meetings on GL 89-04)
CVP-O	Partial Check Valve Exercise Test Position (OMa-1988 Part 10 Section 4.3.2.2 and 4.3.2.4)	Partial Check Valve Exercise to OPEN Test to the OPEN Position.
RVT	Relief Valve Setpoint Verification Test OM 1987 Part 1	Relief and Safety Valve Set-point will be verified in accordance with OM 1987 Part 1.
FST	Fail-Safe Test (OMa-1988 Part 10 Section 4.2.1.6)	Valves with Fail-Safe Actuators will be tested to verify proper fail-safe operation upon loss of Actuator power.
PIT	Position Indication Checks (OMa-1988 Part 10 Section 4.1)	Valves with Position Indicators will be verified Remote Valve Indicators accurately reflect valve position.

TABLE 3.1-1

INSERVICE VALVE TESTS

(Continued)

PAS	Indicates Passive Valve	This is a Passive Valve and does not require testing. Position Indication Verification is still required on Passive Valves with Remote Indicators.
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TABLE 3.1-2

TEST FREQUENCY

<u>TEST FREQUENCY</u>	<u>OPERATIONAL CONDITION (1)</u>	<u>FREQUENCY OF TESTING</u>
Q	(3)	At least once per 92 days
M	(3)	At least once per 31 days
CS	Cold Shutdown	See (2) below
RR	(3)	Each Reactor Refueling Outage
1.5Y	(3)	At least once per 18 months
2Y	(3)	Every two years
5Y	(3)	Every five years
10Y	(3)	Every ten years

- (1) Operational conditions are defined in WCGS Technical Specifications.
- (2) Inservice valve testing will commence within 48 hours of reaching the Cold Shutdown conditions as defined in the WCGS Technical Specifications. Testing not completed before Startup may be completed during subsequent Cold Shutdowns. Valve testing need not be performed more often than once every three months. In the case of extended Cold Shutdowns, the testing need not be started within the 48 hours limitation. However, in these instances, all valve testing must be completed prior to Startup.
- (3) Specific operational conditions are stated in the Surveillance Procedure directing the test.

SECTION 3.2

RELIEF REQUESTS FOR INSERVICE VALVE TESTING PROGRAM

RELIEF REQUEST NO. 2VR-1

VALVE(S):

KJ PV-1A, KJ PV-1B, KJ PV-101A and KJ PV-101B

CATEGORY:

B

FUNCTION:

Provide control air for actuation of the main air start valves.

TEST REQUIREMENT:

ASME OMa-1988 PART 10 4.2.1.4

BASIS FOR RELIEF:

Valve stroke time cannot be measured. These valves are solenoid operated and are enclosed with the solenoid. The valves have no position indication devices. These air start valves are required to start the associated diesel. Diesel start time is affected by valve stroke time. Valve degradation can be detected by ensuring the diesel comes up to speed in ≤ 12 seconds and by observing approximately equal pressure drops in the starting air tanks. Therefore, diesel start time and starting air tank pressure changes will provide adequate indication of valve performance and identify significant degradation. Reference NUREG 1482 Section 3.4.

ALTERNATE TESTING:

Proper operation of these valves will be verified by measuring Diesel Start Times and observing Starting Air Tank Pressure changes.

RELIEF REQUEST NO. 2VR-2

VALVE(S):

BB-8010A, BB-8010B and BB-8010C

CATEGORY:

C

FUNCTION:

The pressurizer safety relief valves provide overpressurization protection for the pressurizer.

TEST REQUIREMENT:

Valves with remote position indicators shall be observed at least once every 2 years to verify that valve operation is accurately indicated. (ASME 1987-88a O&M Part 10 section 4.1).

BASIS FOR RELIEF:

Actuation of these valves for position indication verification. Would require retesting to ensure the Set Relief Pressure is correct. This would result in increased testing and unnecessary radiation exposure to test personnel.

ALTERNATE TESTING:

Each valve's lift indicating switch assembly will be detached from the valve spindle. A magnet and a lift indicating switch setting tool will be used to simulate valve open and closed positions which verifies lift indicating switch assembly position with remote position indication.

RELIEF REQUEST NO. 2VR-3

VALVES:

EGV0305 and EGV0306 - CCW Surge Tank Vacuum Relief Valves
ENV0058 and ENV0106 - Containment Spray Additive Tank Relief
Valves

CATEGORY:

C

OM-1987, PART 1 REQUIREMENT:

1.4.1.2 Set Pressure Measurement Accuracy. Test equipment and readability accuracy of same, inclusive of gages, transducers, load cells, assist devices, calibration standards, etc. used in conjunction with determination of valve set pressure, shall have an overall combined accuracy within +2% to -1% at the pressure level of interest.

The measured set pressure must comply with the tolerance limits specified in the appropriate acceptance criteria sections: paras. 1.3.3.1(d), 1.3.4.1(d), 4.1.1.9, 4.1.2.9, 4.1.3.8, 8.1.1.9, 8.1.2.9, and 8.1.3.8.

The effect of the overall combined accuracy specified above is that the limits of the actual set pressure may be 1% above to 2% below the indicated (measured) set pressure.

FUNCTION(S):

EGV0305 and EGV0306 - As the component cooling water surge tanks provide water storage to accommodate expansion, contraction, and leakage associated with the CCW system, these valves open to prevent an unacceptable vacuum to form inside the tank that could collapse the tanks.

RELIEF REQUEST NO. 2VR-3 (cont.)

FUNCTION(S) (continued):

ENV0058 and ENV0106 - As sodium hydroxide is removed from the Spray Additive Tank, these valves open to facilitate flow from the tank and prevent tank collapse should the vacuum condition exceed the design limits of the tank.

BASIS FOR RELIEF:

Characteristically, vacuum breakers are set to relieve at very low differential pressures. In these cases the set pressures are

6 psi	CCW Surge Tanks
2" Hg (0.98 psi)	Spray Additive Tanks

In order to meet the Code accuracy requirements for testing these valves the instrument accuracies would be 0.06 psig and .0098 psig, respectively. Instrumentation providing this level of accuracy is not typically maintained in a power plant facility.

The functional requirement of a vacuum breaker is only relevant in the opening direction. The closure characteristics are generally irrelevant - so long as the valve remains closed under operating conditions. There is no concern related to premature opening (e.g. inventory loss). Thus, it is possible to establish the lower limit for opening such that there is a considerable margin to the maximum opening value without affecting the required valve performance with respect to system function.

ALTERNATE TEST:

Instrument accuracy and "target setpoint" for these vacuum relief valves will be established such that the overall combined accuracy specified in the test procedure will limit the actual set pressure to 1% above the stamped set pressure.

RELIEF REQUEST NO. 2VR-4

VALVES:

All safety and relief valves tested used for compressible fluid services other than steam

CATEGORY:

C

OM-1987, PART 1 REQUIREMENT:

8.1.2.2. Accumulator Volume. There shall be a minimum accumulator volume below the valve inlet, based on the valve capacity (cu ft) and calculated from the following formula:

Minimum Volume = [valve capacity (cu ft per sec) X time open (sec)] / 10

FUNCTION(S):

Provide over-pressure protection for various safety-related plant systems and components.

BASIS FOR RELIEF:

The accumulator volume requirement is not required for simple determination of the valve set pressure. This was recognized by the Code Committee and corrected in more recent versions of the OM Code.

ALTERNATE TEST:

The volume of the accumulator drum and the pressure source flow rate shall be sufficient to determine the valve set-pressure. (Ref. ASME OM Code-1990, OMC-1994 Addenda, Paragraph I 8.1.2)

RELIEF REQUEST NO. 2VR-5

VALVES:

All safety and relief valves tested under ambient conditions using a test medium at ambient conditions

CATEGORY:

C

OM-1987, PART 1 REQUIREMENT:

8.1.3.4. Temperature Stability. The test method shall be such that the temperature of the valve body shall be known and stabilized before commencing set pressure testing, with no change in measured temperature of more than 10 deg-F (5 deg-C) in 30 minutes.

FUNCTION(S):

Provide over-pressure protection for various safety-related plant systems and components.

BASIS FOR RELIEF:

For valves tested under normal prevailing ambient conditions with test medium at approximately the same temperature the requirement for verifying temperature stability is inappropriate. There is little or no consequence of any minor changes in ambient temperature.

This has been identified by the OM-1 Code Working Group and the ASME Code Committees and is reflected in the latest version of the Code (OM Code-1995) Paragraphs I 8.1.2(d) and I 8.1.3(d). Reference NUREG 1482 Section 4.3.9.

ALTERNATE TEST:

For safety and relief valves tested under ambient conditions using a test medium at ambient conditions the test temperature will be recorded prior to each test but there will be no verification of thermal equilibrium performed.

RELIEF REQUEST NO. 2VR-6

VALVES:

All Check Valves.

CATEGORY:

C

FUNCTION:

System dependant.

TEST REQUIREMENT:

ASME OMa 1988 Part 10 section 4.3.2, "Exercising Tests for Check Valves"

BASIS FOR RELIEF:

ASME OMa 1988 Part 10 section 4.3.2, "Exercising Tests for Check Valves" discusses disassembly and inspection in lieu of check valve exercising. Generic Letter 89-04 Position 2 does not apply to ASME OMa 1988 Part 10. The sampling technique allowed by Position 2 of Generic Letter 89-04 is not discussed in ASME OMa 1988 Part 10. ASME OMc 1994 Subsection ISTC 4.5 contains all of the requirements for testing check valves as discussed by ASME OMa 1988 Part 10 section 4.3.2 and includes the sample disassembly guidance outlined by Position 2 of Generic Letter 89-04.

ASME OMc 1994 Subsection ISTC 4.5 contains all of the requirements for testing check valves set forth in ASME OMa 1988. In addition to the current requirements, guidance is given for the implementation of a sample disassembly examination program.

ALTERNATIVE TESTING

Check valve exercising (inspection) will comply with the requirements of ASME OMC 1994, Subsection ISTC 4.5 including the limits and guidance for sample disassembly.

APPENDIX A
PUMP TESTING PROGRAM

WOLF CREEK NUCLEAR OPERATING CORPORATION
PUMP INSERVICE TESTING PROGRAM

PUMP IDENTIFICATION					IST REQUIREMENTS				
Pump Number	System	ISI Class	P&ID Number	P&ID Coord	Speed	Diff Press	Flow Rate	Vibration	Remarks
PAL01A	AUX FD	3	M-12AL01	E-4	N/A	YES	YES	YES	Relief Req 2PR-4
PAL01B	AUX FD	3	M-12AL01	H-4	N/A	YES	YES	YES	Relief Req 2PR-4
PAL02	AUX FD	3	M-12AL01	B-4	YES	YES	YES	YES	Δ Speed / Relief Req 2PR-4
PBG02A	CVCS	3	M-12BG05	B-6	N/A	YES	YES	YES	
PBG02B	CVCS	3	M-12BG05	A-6	N/A	YES	YES	YES	
PBG05A	CVCS	2	M-12BG03	C-5	N/A	YES	YES	YES	Relief Req 2PR-3
PBG05B	CVCS	2	M-12BG03	B-5	N/A	YES	YES	YES	Relief Req 2PR-3
PEC01A	SFPC	3	M-12EC01	H-6	N/A	YES	YES	YES	
PEC01B	SFPC	3	M-12EC01	E-6	N/A	YES	YES	YES	
PEF01A	ESW	3	M-K2EF01	G-6	N/A	YES	YES	YES	
PEF01B	ESW	3	M-K2EF01	C-6	N/A	YES	YES	YES	
PEG01A	CCW	3	M-12EG01	G-4	N/A	YES	YES	YES	
PEG01B	CCW	3	M-12EG01	D-4	N/A	YES	YES	YES	
PEG01C	CCW	3	M-12EG01	E-4	N/A	YES	YES	YES	
PEG01D	CCW	3	M-12EG01	B-4	N/A	YES	YES	YES	
PEJ01A	RHR	2	M-12EJ01	G-6	N/A	YES	YES	YES	Relief Req 2PR-2
PEJ01B	RHR	2	M-12EJ01	C-6	N/A	YES	YES	YES	Relief Req 2PR-2
PEM01A	SI	2	M-12EM01	E-6	N/A	YES	YES	YES	
PEM01B	SI	2	M-12EM01	D-6	N/A	YES	YES	YES	
PEN01A	CS	2	M-12EN01	G-6	N/A	YES	YES	YES	
PEN01B	CS	2	M-12EN01	B-6	N/A	YES	YES	YES	
PJE01A	EFOT	3	M-12JE01	E-7	N/A	YES	YES	YES	Relief Req 2PR-1
PJE01B	EFOT	3	M-12JE01	A-7	N/A	YES	YES	YES	Relief Req 2PR-1

APPENDIX B
VALVE TESTING PROGRAM

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
ABHV0005	M-12AB02 (Q)	D-4	2	B	4	GL	AO	C	BT-O	Q	N/A	STS AB-201B	
									BT-C	Q	N/A	STS AB-201B	
									FST	Q	N/A	STS AB-201B	
									PIT	2Y	N/A	STS AB-201B	
ABHV0006	M-12AB02 (Q)	C-4	2	B	4	GL	AO	C	BT-O	Q	N/A	STS AB-201B	
									BT-C	Q	N/A	STS AB-201B	
									FST	Q	N/A	STS AB-201B	
									PIT	2Y	N/A	STS AB-201B	
ABHV0011	M-12AB02 (Q)	H-3	2	B	28	GA	AO	O	BT-C	Q/CS	N/A	STS AB-201A&AB-205	2
									BT-P	Q	N/A	STS AB-201A	
									PIT	2Y	N/A	STS AB-205	
ABHV0012	M-12AB02 (Q)	G-3	2	B	2	GL	AO	C	BT-C	Q	N/A	STS AB-201A	
									FST	Q	N/A	STS AB-201A	
									PIT	2Y	N/A	STS AB-201A	
ABHV0014	M-12AB02 (Q)	F-3	2	B	28	GA	AO	O	BT-C	Q/CS	N/A	STS AB-201A&AB-205	2
									BT-P	Q	N/A	STS AB-201A	
									PIT	2Y	N/A	STS AB-205	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
ABHV0015	M-12AB02(Q)	F-3	2	B	2	GL	AO	C	BT-C FST PIT	Q Q 2Y	N/A N/A N/A	STS AB-201A STS AB-201A STS AB-201A	
ABHV0017	M-12AB02(Q)	D-3	2	B	28	GA	AO	O	BT-C BT-P PIT	Q/CS Q 2Y	N/A N/A N/A	STS AB-201A STS AB-201A STS AB-205	2
ABHV0018	M-12AB02(Q)	D-3	2	B	2	GL	AO	C	BT-C FST PIT	Q Q 2Y	N/A N/A N/A	STS AB-201A STS AB-201A STS AB-201A	
ABHV0020	M-12AB02(Q)	C-3	2	B	28	GA	AO	O	BT-C BT-P PIT	Q/CS Q 2Y	N/A N/A N/A	STS AB-201A&AB-205 STS AB-201A STS AB-205	2
ABHV0021	M-12AB02(Q)	C-3	2	B	2	GL	AO	C	BT-C FST PIT	Q Q 2Y	N/A N/A N/A	STS AB-201A STS AB-201A STS AB-201A	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
ABHV0048	M-12AB02 (Q)	D-4	2	B	1	GL	AO	O	BT-C	Q	N/A	STS AB-201B	
									FST	Q	N/A	STS AB-201B	
									PIT	2Y	N/A	STS AB-201B	
ABHV0049	M-12AB02 (Q)	C-4	2	B	1	GL	AO	O	BT-C	Q	N/A	STS AB-201B	
									FST	Q	N/A	STS AB-201B	
									PIT	2Y	N/A	STS AB-201B	
ABLV0007	M-12AB02 (Q)	B-4	2	B	2	GL	AO	C	BT-C	Q	N/A	STS AB-201C	
									FST	Q	N/A	STS AB-201C	
									PIT	2Y	N/A	STS AB-201C	
ABLV0008	M-12AB02 (Q)	D-5	2	B	2	GL	AO	C	BT-C	Q	N/A	STS AB-201C	
									FST	Q	N/A	STS AB-201C	
									PIT	2Y	N/A	STS AB-201C	
ABLV0009	M-12AB02 (Q)	E-4	2	B	2	GL	AO	C	BT-C	Q	N/A	STS AB-201C	
									FST	Q	N/A	STS AB-201C	
									PIT	2Y	N/A	STS AB-201C	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
ABLV0010	M-12AB02 (Q)	G-4	2	B	2	GL	AO	C	BT-C	Q	N/A	STS AB-201C	
									FST	Q	N/A	STS AB-201C	
									PIT	2Y	N/A	STS AB-201C	
ABPV0001	M-12AB01 (Q)	G-3	2	B	8	GL	AO	C	BT-O	Q	N/A	STS AB-201D	
									BT-C	Q	N/A	STS AB-201D	
									FST	Q	N/A	STS AB-201D	
									PIT	2Y	N/A	STS AB-201D	
ABPV0002	M-12AB01 (Q)	D-3	2	B	8	GL	AO	C	BT-O	Q	N/A	STS AB-201D	
									BT-C	Q	N/A	STS AB-201D	
									FST	Q	N/A	STS AB-201D	
									PIT	2Y	N/A	STS AB-201D	
ABPV0003	M-12AB01 (Q)	D-6	2	B	8	GL	AO	C	BT-O	Q	N/A	STS AB-201D	
									BT-C	Q	N/A	STS AB-201D	
									FST	Q	N/A	STS AB-201D	
									PIT	2Y	N/A	STS AB-201D	
ABPV0004	M-12AB01 (Q)	G-6	2	B	8	GL	AO	C	BT-O	Q	N/A	STS AB-201D	
									BT-C	Q	N/A	STS AB-201D	
									FST	Q	N/A	STS AB-201D	
									PIT	2Y	N/A	STS AB-201D	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COO'D	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
ABV0007	M-12AB01 (Q)	G-6	2	B	10	GA	M	LO	PAS	N/A			
ABV0018	M-12AB01 (Q)	G-3	2	B	10	GA	M	LO	PAS	N/A			
ABV0029	M-12AB01 (Q)	D-6	2	B	10	GA	M	LO	PAS	N/A			
ABV0040	M-12AB01 (Q)	D-3	2	B	10	GA	M	LO	PAS	N/A			
ABV0045	M-12AB02 (Q)	H-7	2	C	6x8x8	RV	SA	C	RVT	5Y	N/A	STS MT-008	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
ABV0046	M-12AB02 (Q)	H-7	2	C	6x8x8	RV	SA	C	RVT	5Y	N/A	STS MT-008	
ABV0047	M-12AB02 (Q)	H-6	2	C	6x8x8	RV	SA	C	RVT	5Y	N/A	STS MT-008	
ABV0048	M-12AB02 (Q)	H-5	2	C	6x8x8	RV	SA	C	RVT	5Y	N/A	STS MT-008	
ABV0049	M-12AB02 (Q)	H-5	2	C	6x8x8	RV	SA	C	RVT	5Y	N/A	STS MT-008	
ABV0055	M-12AB02 (Q)	F-7	2	C	6x8x8	RV	SA	C	RVT	5Y	N/A	STS MT-008	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
ABV0056	M-12AB02 (Q)	F-7	2	C	6x8x8	RV	SA	C	RVT	5Y	N/A	STS MT-008	
ABV0057	M-12AB02 (Q)	F-6	2	C	6x8x8	RV	SA	C	RVT	5Y	N/A	STS MT-008	
ABV0058	M-12AB02 (Q)	F-5	2	C	6x8x8	RV	SA	C	RVT	5Y	N/A	STS MT-008	
ABV0059	M-12AB02 (Q)	F-5	2	C	6x8x8	RV	SA	C	RVT	5Y	N/A	STS MT-008	
ABV0065	M-12AB02 (Q)	E-7	2	C	6x8x8	RV	SA	C	RVT	5Y	N/A	STS MT-008	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
ABV0066	M-12AB02 (Q)	E-7	2	C	6x8x8	RV	SA	C	RVT	5Y	N/A	STS MT-008	
ABV0067	M-12AB02 (Q)	E-6	2	C	6x8x8	RV	SA	C	RVT	5Y	N/A	STS MT-008	
ABV0068	M-12AB02 (Q)	E-5	2	C	6x8x8	RV	SA	C	RVT	5Y	N/A	STS MT-008	
ABV0069	M-12AB02 (Q)	E-5	2	C	6x8x8	RV	SA	C	RVT	5Y	N/A	STS MT-008	
ABV0075	M-12AB02 (Q)	C-7	2	C	6x8x8	RV	SA	C	RVT	5Y	N/A	STS MT-008	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
ABV0076	M-12AB02 (Q)	C-7	2	C	6x8x8	RV	SA	C	RVT	5Y	N/A	STS MT-008	
ABV0077	M-12AB02 (Q)	C-6	2	C	6x8x8	RV	SA	C	RVT	5Y	N/A	STS MT-008	
ABV0078	M-12AB02 (Q)	C-5	2	C	6x8x8	RV	SA	C	RVT	5Y	N/A	STS MT-008	
ABV0079	M-12AB02 (Q)	C-5	2	C	6x8x8	RV	SA	C	RVT	5Y	N/A	STS MT-008	
ABV0085	M-12AB02 (Q)	D-4	2	B	4	GA	M	LO	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
ABV0087	M-12AB02(Q)	C-4	2	B	4	GA	M	LO	PAS	N/A			
ABV0345	M-12AB01(Q)	H-3	NC	A/C	0.75	CK	SA	C	AT-3 CVT-C	2Y Q	N/A N/A	STS KA-010 STS AB-201D	46
ABV0346	M-12AB01(Q)	E-3	NC	A/C	0.75	CK	SA	C	AT-3 CVT-C	2Y Q	N/A N/A	STS KA-010 STS AB-201D	46
ABV0347	M-12AB01(Q)	E-5	NC	A/C	0.75	CK	SA	C	AT-3 CVT-C	2Y Q	N/A N/A	STS KA-010 STS AB-201D	46
ABV0348	M-12AB01(Q)	H-5	NC	A/C	0.75	CK	SA	C	AT-3 CVT-C	2Y Q	N/A N/A	STS KA-010 STS AB-201D	46

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
ABV0349	M-12AB01(Q)	H-3	NC	C	0.75	CK	SA	C	CVT-O	Q	N/A	STS AB-201D	46
ABV0350	M-12AB01(Q)	E-3	NC	C	0.75	CK	SA	C	CVT-O	Q	N/A	STS AB-201D	46
ABV0351	M-12AB01(Q)	E-5	NC	C	0.75	CK	SA	C	CVT-O	Q	N/A	STS AB-201D	46
ABV0352	M-12AB01(Q)	H-5	NC	C	0.75	CK	SA	C	CVT-O	Q	N/A	STS AB-201D	46
AEFV0039	M-12AE02(Q)	G-3	2	B	14	GA	HO	O	BT-C	Q/CS	N/A	STS AE-201&AE-205	5
									BT-P	Q	N/A	STS AE-201	
									FST	CS	N/A	STS AE-205	
									PIT	2Y	N/A	STS AE-205	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
AEFV0040	M-12AE02 (Q)	C-3	2	B	14	GA	HO	O	BT-C	Q/CS	N/A	STS AE-201&AE-205	5
									BT-P	Q	N/A	STS AE-201	
									FST	CS	N/A	STS AE-205	
									PIT	2Y	N/A	STS AE-205	
AEFV0041	M-12AE02 (Q)	C-6	2	B	14	GA	HO	O	BT-C	Q/CS	N/A	STS AE-201&AE-205	5
									BT-P	Q	N/A	STS AE-201	
									FST	CS	N/A	STS AE-205	
									PIT	2Y	N/A	STS AE-205	
AEFV0042	M-12AE02 (Q)	G-6	2	B	14	GA	HO	O	BT-C	Q/CS	N/A	STS AE-201&AE-205	5
									BT-P	Q	N/A	STS AE-201	
									FST	CS	N/A	STS AE-205	
									PIT	2Y	N/A	STS AE-205	
AEFV0043	M-12AE02 (Q)	G-4	2	B	1	GL	AO	C	BT-C	Q	N/A	STS AE-201	
									FST	Q	N/A	STS AE-201	
									PIT	2Y	N/A	STS AE-201	
AEFV0044	M-12AE02 (Q)	D-4	2	B	1	GL	AO	C	BT-C	Q	N/A	STS AE-201	
									FST	Q	N/A	STS AE-201	
									PIT	2Y	N/A	STS AE-201	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
AEFV0045	M-12AE02 (Q)	D-7	2	B	1	GL	AO	C	BT-C	Q	N/A	STS AE-201	
									FST	Q	N/A	STS AE-201	
									PIT	2Y	N/A	STS AE-201	
AEFV0046	M-12AE02 (Q)	G-7	2	B	1	GL	AO	C	BT-C	Q	N/A	STS AE-201	
									FST	Q	N/A	STS AE-201	
									PIT	2Y	N/A	STS AE-201	
AEV0120	M-12AE02 (Q)	C-4	2	C	14	CK	SA	O	CVT-O	Q	N/A	STS AE-210	5
									CVT-C	CS	N/A	STS AL-211	
AEV0121	M-12AE02 (Q)	F-4	2	C	14	CK	SA	O	CVT-O	Q	N/A	STS AE-210	5
									CVT-C	CS	N/A	STS AL-211	
AEV0122	M-12AE02 (Q)	F-7	2	C	14	CK	SA	O	CVT-O	Q	N/A	STS AE-210	5
									CVT-C	CS	N/A	STS AL-211	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
AEV0123	M-12AE02 (Q)	C-7	2	C	14	CK	SA	O	CVT-O CVT-C	Q CS	N/A N/A	STS AE-210 STS AL-211	5
AEV0124	M-12AE02 (Q)	C-3	2	C	4	CK	SA	C	CVT-O CVT-C	CS CS	N/A N/A	STS AL-212 STS AL-212	6
AEV0125	M-12AE02 (Q)	F-3	2	C	4	CK	SA	C	CVT-O CVT-C	CS CS	N/A N/A	STS AL-212 STS AL-212	6
AEV0126	M-12AE02 (Q)	F-6	2	C	4	CK	SA	C	CVT-O CVT-C	CS CS	N/A N/A	STS AL-212 STS AL-212	6
AEV0127	M-12AE02 (Q)	C-6	2	C	4	CK	SA	C	CVT-O CVT-C	CS CS	N/A N/A	STS AL-212 STS AL-212	6

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
AEV0329	M-12AE02 (Q)	F-4	2	B	3	GA	M	LC	PAS	N/A			
AEV0330	M-12AE02 (Q)	C-4	2	B	3	GA	M	LC	PAS	N/A			
AEV0331	M-12AE02 (Q)	C-7	2	B	3	GA	M	LC	PAS	N/A			
AEV0332	M-12AE02 (Q)	F-7	2	B	3	GA	M	LC	PAS	N/A			
ALHV0005	M-12AL01 (Q)	H-7	2	B	4	GL	MO	O	BT-O BT-C PIT	Q Q 2Y	N/A N/A N/A	STS AL-201B STS AL-201B STS AL-201B	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
ALHV0006	M-12AL01(Q)	G-7	2	B	4	GL	AO	O	BT-C PIT	Q 2Y	N/A N/A	STS AL-201A STS AL-201A	
ALHV0007	M-12AL01(Q)	F-7	2	B	4	GL	MO	O	BT-O BT-C PIT	Q Q 2Y	N/A N/A N/A	STS AL-201B STS AL-201B STS AL-201B	
ALHV0008	M-12AL01(Q)	E-7	2	B	4	GL	AO	O	BT-C PIT	Q 2Y	N/A N/A	STS AL-201A STS AL-201A	
ALHV0009	M-12AL01(Q)	E-7	2	B	4	GL	MO	O	BT-O BT-C PIT	Q Q 2Y	N/A N/A N/A	STS AL-201A STS AL-201A STS AL-201A	
ALHV0010	M-12AL01(Q)	D-7	2	B	4	GL	AO	O	BT-C PIT	Q 2Y	N/A N/A	STS AL-201B STS AL-201B	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
ALHV0011	M-12AL01(Q)	C-7	2	B	4	GL	MO	O	BT-O	Q	N/A	STS AL-201A	
									BT-C	Q	N/A	STS AL-201A	
									PIT	2Y	N/A	STS AL-201A	
ALHV0012	M-12AL01(Q)	B-7	2	B	4	GL	AO	O	BT-C	Q	N/A	STS AL-201B	
									PIT	2Y	N/A	STS AL-201B	
ALHV0030	M-12AL01(Q)	F-3	3	B	6	BTF	MO	C	BT-O	Q	N/A	STS AL-201B	
									PIT	2Y	N/A	STS AL-201B	
ALHV0031	M-12AL01(Q)	E-3	3	B	6	BTF	MO	C	BT-O	Q	N/A	STS AL-201A	
									PIT	2Y	N/A	STS AL-201A	
ALHV0032	M-12AL01(Q)	C-3	3	B	8	BTF	MO	C	BT-O	Q	N/A	STS AL-201A	
									PIT	2Y	N/A	STS AL-201A	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
ALHV0033	M-12AL01(Q)	B-3	3	B	8	BTF	MO	C	BT-O PIT	Q 2Y	N/A N/A	STS AL-201B STS AL-201B	
ALHV0034	M-12AL01(Q)	H-4	3	B	8	GA	MO	O	BT-C PIT	Q 2Y	N/A N/A	STS AL-201B STS AL-201B	
ALHV0035	M-12AL01(Q)	D-4	3	B	8	GA	MO	O	BT-C PIT	Q 2Y	N/A N/A	STS AL-201A STS AL-201A	
ALHV0036	M-12AL01(Q)	B-4	3	B	10	GA	MO	O	BT-C PIT	Q 2Y	N/A N/A	STS AL-201A STS AL-201A	
ALV0001	M-12AL01(Q)	B-4	3	C	10	CK	SA	C	CVT-O CVT-C	Q Q	N/A N/A	STS AL-210 STS AL-103&AL-210	79

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
ALV0002	M-12AL01(Q)	D-4	3	C	8	CK	SA	C	CVT-O CVT-C	Q Q	N/A N/A	STS AL-210 STS AL-101&AL-210	79
ALV0003	M-12AL01(Q)	H-4	3	C	8	CK	SA	C	CVT-O CVT-C	Q Q	N/A N/A	STS AL-210 STS AL-102&AL-210	79
ALV0005	M-12AL01(Q)	F-4	3	B	6	GA	M	LO	PAS	N/A			
ALV0006	M-12AL01(Q)	F-4	3	C	6	CK	SA	C	CVT-O	Q	N/A	STS AL-210	79
ALV0008	M-12AL01(Q)	E-4	3	B	6	GA	M	LO	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
ALV0009	M-12AL01(Q)	E-4	3	C	6	CK	SA	C	CVT-O	Q	N/A	STS AL-210	79
ALV0011	M-12AL01(Q)	C-4	3	B	6	GA	M	LO	PAS	N/A			
ALV0012	M-12AL01(Q)	C-4	3	C	8	CK	SA	C	CVT-O	Q	N/A	STS AL-210	79
ALV0014	M-12AL01(Q)	B-4	3	B	6	GA	M	LO	PAS	N/A			
ALV0015	M-12AL01(Q)	B-4	3	C	8	CK	SA	C	CVT-O	Q	N/A	STS AL-210	79

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
ALV0028	M-12AL01(Q)	G-5	3	B	2	GL	M	LO	PAS	N/A			
ALV0030	M-12AL01(Q)	H-6	3	C	6	CK	SA	C	CVT-O	CS	N/A	STS AL-212	6
ALV0031	M-12AL01(Q)	H-6	3	B	6	GA	M	LO	PAS	N/A			
ALV0032	M-12AL01(Q)	F-6	3	B	4	GA	M	LO	PAS	N/A			
ALV0033	M-12AL01(Q)	F-7	2	C	4	CK	SA	C	CVT-O	CS	N/A	STS AL-212	6

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
ALV0034	M-12AL01(Q)	F-7	2	B	4	GL	M	LO	PAS	N/A			
ALV0035	M-12AL01(Q)	H-6	3	B	4	GA	M	LO	PAS	N/A			
ALV0036	M-12AL01(Q)	H-7	2	C	4	CK	SA	C	CVT-O	CS	N/A	STS AL-212	6
ALV0037	M-12AL01(Q)	H-7	2	B	4	GL	M	LO	PAS	N/A			
ALV0040	M-12AL01(Q)	E-5	3	B	2	GL	M	LO	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
ALV0042	M-12AL01(Q)	D-5	3	C	6	CK	SA	C	CVT-O	CS	N/A	STS AL-212	6
ALV0043	M-12AL01(Q)	D-6	3	B	6	GA	M	LO	PAS	N/A			
ALV0044	M-12AL01(Q)	C-6	3	B	4	GA	M	LO	PAS	N/A			
ALV0045	M-12AL01(Q)	C-7	2	C	4	CK	SA	C	CVT-O	CS	N/A	STS AL-212	6
ALV0046	M-12AL01(Q)	C-7	2	B	4	GL	M	LO	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
ALV0047	M-12AL01(Q)	D-6	3	B	4	GA	M	LO	PAS	N/A			
ALV0048	M-12AL01(Q)	D-7	2	C	4	CK	SA	C	CVT-O	CS	N/A	STS AL-212	6
ALV0049	M-12AL01(Q)	D-7	2	B	4	GL	M	LO	PAS	N/A			
ALV0052	M-12AL01(Q)	B-5	3	B	3	GL	M	LO	PAS	N/A			
ALV0054	M-12AL01(Q)	B-5	3	C	8	CK	SA	C	CVT-O	CS	N/A	STS AL-211	6

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
ALV0055	M-12AL01(Q)	B-6	3	B	8	GA	M	LO	PAS	N/A			
ALV0056	M-12AL01(Q)	E-6	3	B	4	GA	M	LO	PAS	N/A			
ALV0057	M-12AL01(Q)	E-7	2	C	4	CK	SA	C	CVT-O	CS	N/A	STS AL-211	6
ALV0058	M-12AL01(Q)	E-7	2	B	4	GL	M	LO	PAS	N/A			
ALV0061	M-12AL01(Q)	G-6	3	B	4	GA	M	LO	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
ALV0062	M-12AL01(Q)	G-7	2	C	4	CK	SA	C	CVT-O	CS	N/A	STS AL-211	6
ALV0063	M-12AL01(Q)	G-7	2	B	4	GL	M	LO	PAS	N/A			
ALV0066	M-12AL01(Q)	D-6	3	B	4	GA	M	LO	PAS	N/A			
ALV0067	M-12AL01(Q)	D-7	2	C	4	CK	SA	C	CVT-O	CS	N/A	STS AL-211	6
ALV0068	M-12AL01(Q)	D-7	2	B	4	GL	M	LO	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM PCS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
ALV0071	M-12AL01(Q)	B-6	3	B	4	GA	M	LO	PAS	N/A			
ALV0072	M-12AL01(Q)	B-7	2	C	4	CK	SA	C	CVT-O	CS	N/A	STS AL-211	6
ALV0073	M-12AL01(Q)	B-7	2	B	4	GL	M	LO	PAS	N/A			
ALV0076	M-12AL01(Q)	H-6	3	B	6	GA	M	LC	PAS	N/A			
ALV0077	M-12AL01(Q)	E-6	3	B	6	GA	M	LC	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
ALV0149	M-12AL01(Q)	G-6	3	A/C		CK	SA	C	AT-3 CVT-C	2Y Q	N/A N/A	STS KA-010 STS AL-201A	
ALV0150	M-12AL01(Q)	F-6	3	A/C		CK	SA	C	AT-3 CVT-C	2Y Q	N/A N/A	STS KA-010 STS AL-201A	
ALV0151	M-12AL01(Q)	D-6	3	A/C		CK	SA	C	AT-3 CVT-C	2Y Q	N/A N/A	STS KA-010 STS AL-201B	
ALV0152	M-12AL01(Q)	B-6	3	A/C		CK	SA	C	AT-3 CVT-C	2Y Q	N/A N/A	STS KA-010 STS AL-201B	
ALV0153	M-12AL01(Q)	G-6	3	C		CK	SA	C	CVT-O	Q	N/A	STS AL-201A	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
ALV0154	M-12AL01(Q)	G-6	3	C		CK	SA	C	CVT-O	Q	N/A	STS AL-201A	
ALV0155	M-12AL01(Q)	G-6	3	C		CK	SA	C	CVT-O	Q	N/A	STS AL-201B	
ALV0156	M-12AL01(Q)	G-6	3	C		CK	SA	C	CVT-O	Q	N/A	STS AL-201B	
APV0001	M-12AP01	F-5	NC	B	3	GA	M	LO	PAS	N/A			
BB8010A	M-12BB02(Q)	G-7	1	C	6	RV	SA	C	PIT RVT	5Y 5Y	2VR-2 N/A	STS MT-055 STS MT-005	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
BB8010B	M-12BB02 (Q)	G-6	1	C	6	RV	SA	C	PIT RVT	5Y 5Y	2VR-2 N/A	STS MT-055 STS MT-005	
BB8010C	M-12BB02 (Q)	G-5	1	C	6	RV	SA	C	PIT RVT	5Y 5Y	2VR-2 N/A	STS MT-055 STS MT-005	
BB8378A	M-12BB01 (Q)	E-4	1	C	3	CK	SA	O	CVT-C	CS	N/A	STS BG-210	50
BB8378B	M-12BB01 (Q)	E-4	1	C	3	CK	SA	O	CVT-C	CS	N/A	STS BG-210	50
BB8379A	M-12BB01 (Q)	E-6	1	C	3	CK	SA	C	CVT-C	CS	N/A	STS BG-210	50

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
BB8379B	M-12BB01(Q)	E-6	1	C	3	CK	SA	C	CVT-C	CS	N/A	STS BG-210	50
BB8948A	M-12BB01(Q)	E-4	1	A/C	10	CK	SA	C	AT-2 CVT-O CVT-C	1.5Y RR 1.5Y	N/A N/A N/A	STS PE-019E STS EP-210 STS PE-019E	4,64,65
BB8948B	M-12BB01(Q)	D-4	1	A/C	10	CK	SA	C	AT-2 CVT-O CVT-C	1.5Y RR 1.5Y	N/A N/A N/A	STS PE-019E STS EP-210 STS PE-019E	4,64,65
BB8948C	M-12BB01(Q)	D-6	1	A/C	10	CK	SA	C	AT-2 CVT-O CVT-C	1.5Y RR 1.5Y	N/A N/A N/A	STS PE-019E STS EP-210 STS PE-019E	4,64,65
BB8948D	M-12BB01(Q)	E-6	1	A/C	10	CK	SA	C	AT-2 CVT-O CVT-C	1.5Y RR 1.5Y	N/A N/A N/A	STS PE-019E STS EP-210 STS PE-019E	4,64,65

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
BB8949A	M-12BB01(Q)	E-5	1	A/C	6	CK	SA	C	AT-2	1.5Y	N/A	STS PE-019E	4,64,65
									CVT-O	RR	N/A	STS CV-210	
									CVT-C	1.5Y	N/A	STS PE-019E	
BB8949B	M-12BB01(Q)	D-5	1	A/C	6	CK	SA	C	AT-2	1.5Y	N/A	STS PE-019E	4,62,63
									CVT-O	RR	N/A	STS CV-211	
									CVT-C	1.5Y	N/A	STS PE-019E	
BB8949C	M-12BB01(Q)	C-5	1	A/C	6	CK	SA	C	AT-2	1.5Y	N/A	STS PE-019E	4,62,63
									CVT-O	RR	N/A	STS CV-211	
									CVT-C	1.5Y	N/A	STS PE-019E	
BB8949D	M-12BB01(Q)	G-6	1	A/C	6	CK	SA	C	AT-2	1.5Y	N/A	STS PE-019E	4,64,65
									CVT-O	RR	N/A	STS CV-210	
									CVT-C	1.5Y	N/A	STS PE-019E	
BBHV0013	M-12BB03(Q)	C-2	3	B	3	GA	MO	O	BT-O	CS	N/A	STS BB-205	11
									BT-C	CS	N/A	STS BB-205	
									PIT	2Y	N/A	STS BB-205	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
BBHV0014	M-12BB03(Q)	C-2	3	B	3	GA	MO	O	BT-O	CS	N/A	STS BB-205	11
									BT-C	CS	N/A	STS BB-205	
									PIT	2Y	N/A	STS BB-205	
BBHV0015	M-12BB03(Q)	C-2	3	B	3	GA	MO	O	BT-O	CS	N/A	STS BB-205	11
									BT-C	CS	N/A	STS BB-205	
									PIT	2Y	N/A	STS BB-205	
BBHV0016	M-12BB03(Q)	C-2	3	B	3	GA	MO	O	BT-O	CS	N/A	STS BB-205	11
									BT-C	CS	N/A	STS BB-205	
									PIT	2Y	N/A	STS BB-205	
BBHV8000A	M-12BB02(Q)	E-7	1	B	3	GA	MO	O	BT-O	Q	N/A	STS BB-201	
									BT-C	Q	N/A	STS BB-201	
									PIT	2Y	N/A	STS BB-201	
BBHV8000B	M-12BB02(Q)	E-7	1	B	3	GA	MO	O	BT-O	Q	N/A	STS BB-201	
									BT-C	Q	N/A	STS BB-201	
									PIT	2Y	N/A	STS BB-201	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
BBHV8001A	M-12BB04 (Q)	F-4	2	B	1	GL	SO	C	BT-O	CS	N/A	STS BB-205	13,23
									BT-C	CS	N/A	STS BB-205	
									FST	CS	N/A	STS BB-205	
									PIT	2Y	N/A	STS BB-205	
BBHV8001B	M-12BB04 (Q)	F-4	2	B	1	GL	SO	C	BT-O	CS	N/A	STS BB-205	13,23
									BT-C	CS	N/A	STS BB-205	
									FST	CS	N/A	STS BB-205	
									PIT	2Y	N/A	STS BB-205	
BBHV8002A	M-12BB04 (Q)	F-3	2	B	1	GL	SO	C	BT-O	CS	N/A	STS BB-205	13,23
									BT-C	CS	N/A	STS BB-205	
									FST	CS	N/A	STS BB-205	
									PIT	2Y	N/A	STS BB-205	
BBHV8002B	M-12BB04 (Q)	F-3	2	B	1	GL	SO	C	BT-O	CS	N/A	STS BB-205	13,23
									BT-C	CS	N/A	STS BB-205	
									FST	CS	N/A	STS BB-205	
									PIT	2Y	N/A	STS BB-205	
BBHV8026	M-12BB02 (Q)	E-3	2	A	1	DIA	AO	C/O	AT-1	2Y	N/A	STS PE-017	
									BT-C	Q	N/A	STS BB-202	
									FST	Q	N/A	STS BB-202	
									PIT	2Y	N/A	STS BB-202	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
BBHV8027	M-12BB02 (Q)	E-4	2	A	1	DIA	AO	C/O	AT-1	2Y	N/A	STS PE-017	
									BT-C	Q	N/A	STS BB-202	
									FST	Q	N/A	STS BB-202	
									PIT	2Y	N/A	STS BB-202	
BBHV8157A	M-12BB02 (Q)	E-2	2	B	1	GL	MO	C/O	BT-O	Q	N/A	STS BB-201	
									PIT	2Y	N/A	STS BB-201	
BBHV8157B	M-12BB02 (Q)	E-2	2	B	1	GL	MO	C/O	BT-O	Q	N/A	STS BB-201	
									PIT	2Y	N/A	STS BB-201	
BBHV8351A	M-12BB03 (Q)	C-5	2	A	2	GL	MO	O	AT-1	2Y	N/A	STS PE-017	12
									BT-O	CS	N/A	STS BB-205	
									BT-C	CS	N/A	STS BB-205	
									PIT	2Y	N/A	STS BB-205	
BBHV8351B	M-12BB03 (Q)	C-5	2	A	2	GL	MO	O	AT-1	2Y	N/A	STS PE-017	12
									BT-O	CS	N/A	STS BB-205	
									BT-C	CS	N/A	STS BB-205	
									PIT	2Y	N/A	STS BB-205	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
BBHV8351C	M-12BB03 (Q)	C-5	2	A	2	GL	MO	O	AT-1	2Y	N/A	STS PE-017	12
									BT-O	CS	N/A	STS BB-205	
									BT-C	CS	N/A	STS BB-205	
									PIT	2Y	N/A	STS BB-205	
BBHV8351D	M-12BB03 (Q)	C-5	2	A	2	GL	MO	O	AT-1	2Y	N/A	STS PE-017	12
									BT-O	CS	N/A	STS BB-205	
									BT-C	CS	N/A	STS BB-205	
									PIT	2Y	N/A	STS BB-205	
BBPCV0455A	M-12BB02 (Q)	E-7	1	B	3	GL	SO	C	BT-O	CS	N/A	STS BB-204	7,10
									BT-C	CS	N/A	STS BB-204	
									FST	CS	N/A	STS BB-204	
									PIT	2Y	N/A	STS BB-204	
BBPCV0456A	M-12BB02 (Q)	E-8	1	B	3	GL	SO	C	BT-O	CS	N/A	STS BB-204	7,10
									BT-C	CS	N/A	STS BB-204	
									FST	CS	N/A	STS BB-204	
									PIT	2Y	N/A	STS BB-204	
BBPV8702A	M-12BB01 (Q)	E-4	1	A	12	GA	MO	C	AT- 2	1.5Y	N/A	STS PE-019B	4, 8
									BT-O	CS	N/A	STS EJ-205	
									BT-C	CS	N/A	STS EJ-205	
									PIT	2Y	N/A	STS EJ-205	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
BBPV8702B	M-12BB01(Q)	H-5	1	A	12	GA	MO	C	AT- 2	1.5Y	N/A	STS PE-019B	4, 8
									BT-O	CS	N/A	STS EJ-205	
									BT-C	CS	N/A	STS EJ-205	
									PIT	2Y	N/A	STS EJ-205	
BBV0001	M-12BB01(Q)	D-5	1	A/C	1.5	CK	SA	C	AT-2	1.5Y	N/A	STS PE-019E&PE-019I	4,60,61
									CVT-O	RR	N/A	STS CV-216	
									CVT-C	1.5Y	N/A	STS PE-019E	
BBV0022	M-12BB01(Q)	D-4	1	A/C	1.5	CK	SA	C	AT-2	1.5Y	N/A	STS	4,60,61
									PE-019E&PE-019I				
									CVT-O	RR	N/A	STS CV-216	
									CVT-C	1.5Y	N/A	STS PE-019E	
BBV0040	M-12BB01(Q)	D-6	1	A/C	1.5	CK	SA	C	AT-2	1.5Y	N/A	STS	4,60,61
									PE-019E&PE-019I				
									CVT-O	RR	N/A	STS CV-216	
									CVT-C	1.5Y	N/A	STS PE-019E	
BBV0059	M-12BB01(Q)	E-6	1	A/C	1.5	CK	SA	C	AT-2	1.5Y	N/A	STS	4,60,61
									PE-019E&PE-019I				
									CVT-O	RR	N/A	STS CV-216	
									CVT-C	1.5Y	N/A	STS PE-019E	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
BBV0065	M-12BB01(Q)	F-8	1	B	2	GL	M	LO	PAS	N/A			
BBV0084	M-12BB02(Q)	D-4	1	C	2	CK	SA	C	PAS	N/A			9
BBV0118	M-12BB03(Q)	C-5	2	A/C	2	CK	SA	O	AT-1 CVT-C	2Y CS	N/A N/A	STS PE-017 STS PE-017	56
BBV0148	M-12BB03(Q)	C-5	2	A/C	2	CK	SA	O	AT-1 CVT-C	2Y CS	N/A N/A	STS PE-017 STS PE-017	56
BBV0178	M-12BB03(Q)	C-5	2	A/C	2	CK	SA	O	AT-1 CVT-C	2Y CS	N/A N/A	STS PE-017 STS PE-017	56

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
BBV0208	M-12BB03(Q)	C-5	2	A/C	2	CK	SA	O	AT-1 CVT-C	2Y CS	N/A N/A	STS PE-017 STS PE-017	56
BBV0261	M-12BB03(Q)	C-2	3	B	3	GL	M	O	PAS	N/A			
BBV0262	M-12BB03(Q)	C-2	3	B	3	GL	M	O	PAS	N/A			
BBV0263	M-12BB03(Q)	C-2	3	B	3	GL	M	O	PAS	N/A			
BBV0264	M-12EB03(Q)	C-2	3	B	3	GL	M	O	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
BBV0410	M-12BB04 (Q)	F-4	1	B	1	GL	M	LO	PAS	N/A			
BBV0443	M-12BB03 (Q)	C-5	3	C	1.5	CK	SA	O	CVT-O CVT-C	Q CS	N/A N/A	NOTES STS EG-206	31,80
BBV0444	M-12BB03 (Q)	C-5	3	C	1.5	CK	SA	O	CVT-O CVT-C	Q CS	N/A N/A	NOTES STS EG-206	31,80
BBV0445	M-12BB03 (Q)	E-6	3	C	1.5	CK	SA	O	CVT-O CVT-C	Q CS	N/A N/A	NOTES STS EG-206	31,80
BBV0446	M-12BB03 (Q)	E-6	3	C	1.5	CK	SA	O	CVT-O CVT-C	Q CS	N/A N/A	NOTES --- EG-206	31,80

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
BBV0447	M-12BB03 (Q)	E-6	3	C	1.5	CK	SA	O	CVT-O CVT-C	Q CS	N/A N/A	NOTES STS EG-206	31,80
BBV0448	M-12BB03 (Q)	E-6	3	C	1.5	CK	SA	O	CVT-O CVT-C	Q CS	N/A N/A	NOTES STS EG-206	31,80
BBV0449	M-12BB03 (Q)	E-6	3	C	1.5	CK	SA	O	CVT-O CVT-C	Q CS	N/A N/A	NOTES STS EG-206	31,80
BBV0450	M-12BB03 (Q)	E-6	3	C	1.5	CK	SA	O	CVT-O CVT-C	Q CS	N/A N/A	NOTES STS EG-206	31,80
BG8117	M-12BG01 (Q)	H-3	2	N/A	2x3	RV	SA	C	RVT	10Y	N/A	STS MT-070	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
BG8118	M-12BG03 (Q)	E-4	2	N/A	1.5x2	RV	SA	C	RVT	10Y	N/A	STS MT-070	
BG8121	M-12BG01 (Q)	D-3	2	C	2x3	RV	SA	C	RVT	10Y	N/A	STS MT-070	
BG8123	M-12BG03 (Q)	H-4	2	C	2x3	RV	SA	C	RVT	10Y	N/A	STS MT-070	
BG8124	M-12BG03 (Q)	C-7	2	C	0.75x	RV	SA	C	RVT	10Y	N/A	STS MT-070	
BG8341	M-12BG03 (Q)	D-6	2	N/A	4	DIA	M	LO	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
BG8381	M-12BG01(Q)	F-4	2	A/C	3	CK	SA	O	AT-1 CVT-C	2Y CS	N/A N/A	STS PE-017 STS FE-017	58
BG8398A	M-12BG03(Q)	G-4	2	N/A	3	DIA	M	LO	PAS	N/A			
BG8398B	M-12BG03(Q)	F-5	2	N/A	3	DIA	M	LO	PAS	N/A			
BG8440	M-12BG03(Q)	E-6	2	C	4	CK	SA	O	CVT-O	Q	N/A	STS BG-100A	
BG8461A	M-12BG05(Q)	D-7	3	B	3	DIA	M	LO	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
BG8461B	M-12BG05(Q)	D-7	3	B	3	DIA	M	LO	PAS	N/A			
BG8463	M-12BG05(Q)	B-7	3	B	3	DIA	M	LO	PAS	N/A			
BG8465A	M-12BG05(Q)	B-7	3	B	3	DIA	M	C	PAS	N/A			
BG8465B	M-12BG05(Q)	A-7	3	B	3	DIA	M	C	PAS	N/A			
BG8471A	M-12BG03(Q)	C-6	2	B	6	GA	M	LO	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
BG8471B	M-12BG03(Q)	B-6	2	B	6	GA	M	LO	PAS	N/A			
BG8475	M-12BG05(Q)	A-7	3	B	3	DIA	M	LO	PAS	N/A			
BG8476	M-12BG05(Q)	C-8	3	B	3	DIA	M	C	PAS	N/A			
BG8481A	M-12BG03(Q)	C-4	2	C	4	CK	SA	O/C	CVT-C CVP-O CVT-O	CS Q RR	N/A N/A N/A	STS BG-212 STS BG-210 STS CV-216	54,55
BG8481B	M-12BG03(Q)	B-4	2	C	4	CK	SA	O/C	CVT-C CVP-O CVT-O	CS Q RR	N/A N/A N/A	STS BG-212 STS BG-210 STS CV-216	54,55

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
BG8483B	M-12BG03 (Q)	D-4	2	B	3	GA	M	LO	PAS	N/A			
BG8483C	M-12BG03 (Q)	B-4	2	B	3	GA	M	LO	PAS	N/A			
BG8485A	M-12BG03 (Q)	C-4	2	B	4	GA	M	LO	PAS	N/A			
BG8485B	M-12BG03 (Q)	B-4	2	B	4	GA	M	LO	PAS	N/A			
BG8486	M-12BG05 (Q)	B-8	3	C	3	CK	SA	C	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
BG8497	M-12BG03(Q)	D-4	2	C	3	CK	SA	O/C	CVT-C	Q	N/A	STS BG-210	
BG8546A	M-12BG03(Q)	C-7	2	C	8	CK	SA	C	CVT-O CVT-C	RR RR	N/A N/A	STS CV-216 STS BN-206	60,61
BG8546B	M-12BG03(Q)	B-7	2	C	8	CK	SA	C	CVT-O CVT-C	RR RR	N/A N/A	STS CV-216 STS BN-206	60,61
BGHV8100	M-12BG01(Q)	D-2	2	A	2	GL	MO	O	AT-1 BT-C PIT	2Y CS 2Y	N/A N/A N/A	STS PE-017 STS BG-205 STS BG-205	14
BGHV8104	M-12BG05(Q)	A-4	2	B	2	GL	MO	C	BT-O BT-C PIT	Q Q 2Y	N/A N/A N/A	STS BG-201 STS BG-201 STS BG-201	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
BGHV8105	M-12BG03 (Q)	D-2	2	A	3	GA	MO	O	AT-1	2Y	N/A	STS PE-017	17
									BT-C	CS	N/A	STS BG-205	
									PIT	2Y	N/A	STS BG-205	
BGHV8106	M-12BG03 (Q)	D-2	2	B	3	GA	MO	O	BT-C	CS	N/A	STS BG-205	17
									PIT	2Y	N/A	STS BG-205	
BGHV8110	M-12BG03 (Q)	E-4	2	B	2	GL	MO	O	BT-O	Q	N/A	STS BG-201	
									BT-C	Q	N/A	STS BG-201	
									PIT	2Y	N/A	STS BG-201	
BGHV8111	M-12BG03 (Q)	E-4	2	B	2	GL	MO	O	BT-O	Q	N/A	STS BG-201	
									BT-C	Q	N/A	STS BG-201	
									PIT	2Y	N/A	STS BG-201	
BGHV8112	M-12BG01 (Q)	D-2	2	A	2	GL	MO	O	AT-1	2Y	N/A	STS PE-017	14
									BT-C	CS	N/A	STS BG-205	
									PIT	2Y	N/A	STS BG-205	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
BGHV8145	M-12BG01(Q)	G-7	1	B	2	GL	AO	C	PIT	2Y	N/A	STS BG-205	
BGHV8152	M-12BG01(Q)	G-3	2	A	3	GL	AO	O	AT-1 BT-C FST PIT	2Y CS CS 2Y	N/A N/A N/A N/A	STS PE-017 STS BG-205 STS BG-205 STS BG-205	15
BGHV8153A	M-12BG01(Q)	D-7	1	B	1	GL	SO	C	BT-O BT-C FST PIT	Q Q Q 2Y	N/A N/A N/A N/A	STS BG-201A STS BG-201A STS BG-201A STS BG-201B	23
BGHV8153B	M-12BG01(Q)	D-7	1	B	1	GL	SO	C	BT-O BT-C FST PIT	Q Q Q 2Y	N/A N/A N/A N/A	STS BG-201A STS BG-201A STS BG-201A STS BG-201B	23
BGHV8154A	M-12BG01(Q)	D-8	1	B	1	GL	SO	C	BT-O BT-C FST PIT	Q Q Q 2Y	N/A N/A N/A N/A	STS BG-201A STS BG-201A STS BG-201A STS BG-201B	23

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
BGHV8154B	M-12BG01(Q)	D-8	1	B	1	GL	SO	C	BT-O	Q	N/A	STS BG-201A	23
									BT-C	Q	N/A	STS BG-201A	
									FST	Q	N/A	STS BG-201A	
									PIT	2Y	N/A	STS BG-201B	
BGHV8160	M-12BG01(Q)	F-3	2	A	3	GL	AO	O	AT-1	2Y	N/A	STS PE-017	15
									BT-C	CS	N/A	STS BG-205	
									FST	CS	N/A	STS BG-205	
									PIT	2Y	N/A	STS BG-205	
BGHV8357A	M-12BG03(Q)	C-4	2	B	1	GL	MO	C	BT-O	Q	N/A	STS BG-201	
									BT-C	Q	N/A	STS BG-201	
									FST	Q	N/A	STS EG-201	
									PIT	2Y	N/A	STS BG-201	
BGHV8357B	M-12BG03(Q)	B-4	2	B	1	GL	MO	C	BT-O	Q	N/A	STS BG-201	
									BT-C	Q	N/A	STS BG-201	
									FST	Q	N/A	STS BG-201	
									PIT	2Y	N/A	STS BG-201	
BGLCV0112B	M-12BG03(Q)	F-6	2	B	4	GA	MO	O	BT-C	CS	N/A	STS BG-205	18
									PIT	2Y	N/A	STS BG-205	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
BGLCV0112C	M-12BG03(Q)	F-6	2	B	4	GA	MO	O	BT-C PIT	CS 2Y	N/A N/A	STS BG-205 STS BG-205	18
BGLCV0459	M-12BG01(Q)	H-7	1	B	3	GL	AO	O	BT-C FST PIT	CS CS 2Y	N/A N/A N/A	STS BG-205 STS BG-205 STS BG-205	81
BGLCV0460	M-12BG01(Q)	H-7	1	B	3	GL	AO	O	BT-C FST PIT	CS CS 2Y	N/A N/A N/A	STS BG-205 STS BG-205 STS BG-205	81
BGV0020	M-12BG02(Q)	G-6	3	N/A	0.75x	RV	SA	C	RVT	10Y	N/A	STS MT-070	
BGV0091	M-12BG03(Q)	E-4	2	C	2	CK	SA	O/C	CVT-O	Q	N/A	STS BG-10CA	

WOLF CREEK NUCLEAR OPERATING CORPORATION
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VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
BGV0092	M-12BG03(Q)	D-4	2	B	2	GL	M	LO	PAS	N/A			
BGV0095	M-12BG03(Q)	E-4	2	C	2	CK	SA	O/C	CVT-O	Q	N/A	STS BG-100B	
BGV0096	M-12BG03(Q)	C-4	2	B	2	GL	M	LO	PAS	N/A			
BGV0100	M-12BG03(Q)	D-3	2	B	2	DIA	M	LO	PAS	N/A			
BGV0101	M-12BG03(Q)	C-3	2	B	2	DIA	M	O/C	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
BGV0102	M-12BG03 (Q)	C-2	2	B	2	DIA	M	O/C	PAS	N/A			
BGV0105	M-12BG03 (Q)	C-3	2	B	2	DIA	M	C/O	PAS	N/A			
BGV0106	M-12BG03 (Q)	C-2	2	B	2	DIA	M	C/O	PAS	N/A			
BGV0135	M-12BG01 (Q)	D-2	2	A/C	0.75	CK	SA	C	AT-1 CVT-O	2Y CS	N/A N/A	STS PE-017 STS PE-017	74
BGV0147	M-12BG05 (Q)	B-6	3	C	3	CK	SA	O/C	CVT-O CVT-C	Q Q	N/A N/A	STS BG-005A STS BG-005A	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
BGV0148	M-12BG05(Q)	B-6	3	B	3	DIA	M	LO	PAS	N/A			
BGV0149	M-12BG05(Q)	B-5	3	B	3	DIA	M	LO	PAS	N/A			
BGV0152	M-12BG05(Q)	B-4	3	B	3	DIA	M	LO	PAS	N/A			
BGV0153	M-12BG05(Q)	B-4	3	B	2	DIA	M	O	PAS	N/A			
BGV0155	M-12BG05(Q)	B-6	3	C	0.75	CK	SA	O/C	CVT-O	Q	N/A	STS BG-005A	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
BGV0156	M-12BG05 (Q)	C-6	3	B	0.75	DIA	M	LO	PAS	N/A			
BGV0157	M-12BG05 (Q)	G-4	3	B	2	DIA	M	LO	PAS	N/A			
BGV0165	M-12BG05 (Q)	A-6	3	C	3	CK	SA	O/C	CVT-O CVT-C	Q Q	N/A N/A	STS BG-005B STS BG-005B	
BGV0166	M-12BG05 (Q)	A-6	3	B	3	DIA	M	LO	PAS	N/A			
BGV0167	M-12BG05 (Q)	B-6	3	C	0.75	CK	SA	O/C	CVT-O	Q	N/A	STS BG-005B	

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VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
BGV0168	M-12BG05(Q)	C-6	3	B	0.75	DIA	M	LO	PAS	N/A			
BGV0169	M-12BG05(Q)	G-4	3	B	2	DIA	M	LO	PAS	N/A			
BGV0172	M-12BG05(Q)	B-4	3	B	2	DIA	M	C	PAS	N/A			
BGV0173	M-12BG05(Q)	B-5	3	B	2	DIA	M	C	PAS	N/A			
BGV0174	M-12BG05(Q)	A-4	2	C	3	CK	SA	C	CVT-O CVT-C	CS CS	N/A N/A	STS CV-216 STS CV-210	19

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID CGORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
BGV0183	M-12BG05(Q)	A-4	2	B	2	DIA	M	LC	PAS	N/A			
BGV0184	M-12BG05(Q)	A-4	2	C	2	CK	SA	C	PAS	N/A			
BGV0187	M-12BG05(Q)	B-2	2	B	1	DIA	M	C	PAS	N/A			
BGV0188	M-12BG05(Q)	B-2	2	C	1	CK	SA	C	PAS	N/A			
BGV0198	M-12BG01(Q)	C-7	2	B	1.5	ANG	M	LT	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
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VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
BGV0199	M-12BG01(Q)	C-6	2	B	1.5	ANG	M	LT	PAS	N/A			
BGV0200	M-12BG01(Q)	C-4	2	B	1.5	ANG	M	LT	PAS	N/A			
BGV0201	M-12BG01(Q)	C-3	2	B	1.5	ANG	M	LT	PAS	N/A			
BGV0203	M-12BG01(Q)	E-7	3	N/A	0.75	RV	SA	C	RVT	10Y	N/A	STS MT-070	
BGV0204	M-12BG01(Q)	D-7	3	B	4	GL	M	O	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
BGV0207	M-12BG03 (Q)	H-3	3	N/A	0.75x	RV	SA	C	RVT	10Y	N/A	STS MT-070	
BGV0209	M-12BG05 (Q)	B-6	3	B	0.75	GL	M	LT	PAS	N/A			
BGV0210	M-12BG05 (Q)	C-6	3	B	0.75	GL	M	LT	PAS	N/A			
BGV0259	M-12BG03 (Q)	C-5	3	B	2	GL	M	LO	PAS	N/A			
BGV0268	M-12BG03 (Q)	A-5	3	B	2	GL	M	LO	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EGV0524	M-12BG03 (Q)	C-6	3	N/A	0.75x	RV	SA	C	RVT	10Y	N/A	STS MT-070	
BGV0525	M-12BG03 (Q)	B-6	3	N/A	0.75x	RV	SA	C	RVT	10Y	N/A	STS MT-070	
BGV0529	M-12BG01 (Q)	D-3	2	B	0.75	DIA	M	LO	PAS	N/A			
BGV0530	M-12BG01 (Q)	D-3	2	B	2	DIA	M	LO	PAS	N/A			
BGV0545	M-12BG03 (Q)	D-6	3	N/A	0.75x	RV	SA	C	RVT	10Y	N/A	STS MT-070	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
BGV0589	M-12BG03 (Q)	B-4	2	C	1	CK	SA	C	CVT-O CVT-C	Q Q	N/A N/A	STS BG-210 STS BG-210	
BGV0590	M-12BG03 (Q)	C-4	2	C	1	CK	SA	C	CVT-O CVT-C	Q Q	N/A N/A	STS BG-210 STS BG-210	
BGV0591	M-12BG03 (Q)	D-3	2	C	2	CK	SA	O	CVT-O	Q	N/A	STS BG-210	
BL8046	M-12BL01 (Q)	B-3	2	A/C	3	CK	SA	O/C	AT-1 CVT-C	2Y Q	N/A N/A	STS PE-017 STS BL-201	
BLHV8047	M-12BL01 (Q)	B-4	2	A	3	DIA	AO	O/C	AT-1 BT-C FST PIT	2Y Q Q 2Y	N/A N/A N/A N/A	STS PE-017 STS BL-205 STS BL-205 STS BL-205	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
BMHV0001	M-12BM01(Q)	F-5	2	B	4	GL	AO	O	BT-C	Q	N/A	STS BM-205	
									FST	Q	N/A	STS BM-205	
									PIT	2Y	N/A	STS BM-205	
BMHV0002	M-12BM01(Q)	D-5	2	B	4	GL	AO	O	BT-C	Q	N/A	STS BM-205	
									FST	Q	N/A	STS BM-205	
									PIT	2Y	N/A	STS BM-205	
BMHV0003	M-12BM01(Q)	C-5	2	B	4	GL	AO	O	BT-C	Q	N/A	STS BM-205	
									FST	Q	N/A	STS BM-205	
									PIT	2Y	N/A	STS BM-205	
BMHV0004	M-12BM01(Q)	A-5	2	B	4	GL	AO	O	BT-C	Q	N/A	STS BM-205	
									FST	Q	N/A	STS BM-205	
									PIT	2Y	N/A	STS BM-205	
BMHV0019	M-12BM01(Q)	G-7	2	B	1	GL	SO	C	BT-C	Q	N/A	STS BM-201	
									FST	Q	N/A	STS BM-201	
									PIT	2Y	N/A	STS BM-202	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
BMHV0020	M-12BM01(Q)	E-7	2	B	1	GL	SO	C	BT-C	Q	N/A	STS BM-201	
									FST	Q	N/A	STS BM-201	
									PIT	2Y	N/A	STS BM-202	
BMHV0021	M-12BM01(Q)	D-7	2	B	1	GL	SO	C	BT-C	Q	N/A	STS BM-201	
									FST	Q	N/A	STS BM-201	
									PIT	2Y	N/A	STS BM-202	
BMHV0022	M-12BM01(Q)	B-7	2	B	1	GL	SO	C	BT-C	Q	N/A	STS BM-201	
									FST	Q	N/A	STS BM-201	
									PIT	2Y	N/A	STS BM-202	
BMHV0035	M-12BM01(Q)	G-7	2	B	1	GL	SO	O	BT-C	Q	N/A	STS BM-201	23
									FST	Q	N/A	STS BM-201	
									PIT	2Y	N/A	STS BM-202	
BMHV0036	M-12BM01(Q)	E-7	2	B	1	GL	SO	O	BT-C	Q	N/A	STS BM-201	23
									FST	Q	N/A	STS BM-201	
									PIT	2Y	N/A	STS BM-202	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
BMHV0037	M-12BM01(Q)	C-7	2	B	1	GL	SO	O	BT-C	Q	N/A	STS BM-201	23
									FST	Q	N/A	STS BM-201	
									PIT	2Y	N/A	STS BM-202	
BMHV0038	M-12BM01(Q)	B-7	2	B	1	GL	SO	O	BT-C	Q	N/A	STS BM-201	23
									FST	Q	N/A	STS BM-201	
									PIT	2Y	N/A	STS BM-202	
BMHV0065	M-12BM01(Q)	G-6	2	B	1	GL	SO	O	BT-C	Q	N/A	STS BM-201	23
									FST	Q	N/A	STS BM-201	
									PIT	2Y	N/A	STS BM-202	
BMHV0066	M-12BM01(Q)	E-6	2	B	1	GL	SO	O	BT-C	Q	N/A	STS BM-201	23
									FST	Q	N/A	STS BM-201	
									PIT	2Y	N/A	STS BM-202	
BMHV0067	M-12BM01(Q)	D-6	2	B	1	GL	SO	O	BT-C	Q	N/A	STS BM-201	23
									FST	Q	N/A	STS BM-201	
									PIT	2Y	N/A	STS BM-202	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
BMHV0068	M-12BM01(Q)	B-6	2	B	1	GL	SO	O	BT-C	Q	N/A	STS BM-201	23
									FST	Q	N/A	STS BM-201	
									PIT	2Y	N/A	STS BM-202	
BMV0005	M-12BM01(Q)	F-5	2	B	2	GL	M	C	PAS	N/A			
BMV0010	M-12BM01(Q)	F-7	2	B	1	GL	M	LC	PAS	N/A			
BMV0011	M-12BM01(Q)	G-7	2	B	1	GL	M	C	PAS	N/A			
BMV0016	M-12BM01(Q)	D-5	2	B	2	GL	M	C	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
BMV0021	M-12BM01(Q)	E-7	2	B	1	GL	M	LC	PAS	N/A			
BMV0022	M-12BM01(Q)	E-7	2	B	1	GL	M	C	PAS	N/A			
BMV0027	M-12BM01(Q)	C-5	2	B	2	GL	M	C	PAS	N/A			
BMV0032	M-12BM01(Q)	C-7	2	B	1	GL	M	LC	PAS	N/A			
BMV0033	M-12BM01(Q)	C-7	2	B	1	GL	M	C	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NCPM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
BMV0038	M-12BM01(Q)	A-5	2	B	2	GL	M	C	PAS	N/A			
BMV0043	M-12BM01(Q)	A-7	2	B	1	GL	M	LC	PAS	N/A			
BMV0044	M-12BM01(Q)	B-7	2	B	1	GL	M	C	PAS	N/A			
BMV0045	M-12BM01(Q)	A-4	2	A	3	GA	M	LC	AT-1	2Y	N/A	STS PE-017	
BMV0046	M-12BM01(Q)	A-3	2	A	3	GA	M	LC	AT-1	2Y	N/A	STS PE-017	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
BMV0190	M-12BM01(Q)	A-5	2	B	2	GL	M	LC	PAS	N/A			
BMV0191	M-12BM01(Q)	C-5	2	B	2	GL	M	LC	PAS	N/A			
BMV0192	M-12BM01(Q)	D-5	2	B	2	GL	M	LC	PAS	N/A			
BMV0193	M-12BM01(Q)	F-5	2	B	2	GL	M	LC	PAS	N/A			
BN8717	M-12BN01(Q)	B-5	2	A	8	GA	M	LC	AT-4 PIT	2Y 2Y	N/A N/A	STS BN-206 STS BN-206	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
BNHCV8800A	M-12BN01(Q)	E-5	2	B	3	GL	AO	C	BT-C	Q	N/A	STS BN-201	
									FST	Q	N/A	STS BN-201	
									PIT	2Y	N/A	STS BN-201	
BNHCV8800B	M-12BN01(Q)	E-5	2	B	3	GL	AO	C	BT-C	Q	N/A	STS BN-201	
									FST	Q	N/A	STS BN-201	
									PIT	2Y	N/A	STS BN-201	
BNHV0003	M-12BN01(Q)	C-3	2	B	12	GA	MO	O	BT-C	Q	N/A	STS BN-201	
									PIT	2Y	N/A	STS BN-201	
BNHV0004	M-12BN01(Q)	A-3	2	B	12	GA	MO	O	BT-C	Q	N/A	STS BN-201	
									PIT	2Y	N/A	STS BN-201	
BNHV8806A	M-12BN01(Q)	B-5	2	B	8	GA	MO	O	BT-C	Q	N/A	STS BN-201	
									PIT	2Y	N/A	STS BN-201	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
BNHV8806B	M-12BN01 (Q)	D-3	2	B	8	GA	MO	O	BT-C	Q	N/A	STS BN-201	
									PIT	2Y	N/A	STS BN-201	
BNHV8812A	M-12BN01 (Q)	B-3	2	B	14	GA	MO	O	BT-C	Q	N/A	STS BN-201	
									PIT	2Y	N/A	STS BN-201	
BNHV8812B	M-12BN01 (Q)	D-3	2	B	14	GA	MO	O	BT-C	Q	N/A	STS BN-201	
									PIT	2Y	N/A	STS BN-201	
BNHV8813	M-12BN01 (Q)	B-7	2	A	2	GL	MO	O	AT-4	2Y	N/A	STS BN-202	21
									BT-C	CS	N/A	STS BN-205	
									PIT	2Y	N/A	STS BN-205	
BNLCV0112D	M-12BN01 (Q)	A-5	2	B	8	GA	MO	C	BT-O	CS	N/A	STS BN-205	22
									BT-C	CS	N/A	STS BN-205	
									PIT	2Y	N/A	STS BN-205	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
BNLCV0112E	M-12BN01(Q)	E-3	2	B	8	GA	MO	C	BT-O	CS	N/A	STS BN-205	22
									BT-C	CS	N/A	STS BN-205	
									PIT	2Y	N/A	STS BN-205	
BNV0011	M-12BN01(Q)	F-4	2	B	24	GA	M	LO	PIT	2Y	N/A	STS BN-206	
BNV0013	M-12BN01(Q)	C-3	2	B	2	GL	M	LC	PAS	N/A			
BNV0014	M-12BN01(Q)	A-3	2	B	2	GL	M	LC	PAS	N/A			
BNV0017	M-12BN01(Q)	F-3	2	B	6	GA	M	LC	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
ECHV0011	M-12EC01(Q)	H-5	3	B	12	BTF	MO	O/C	BT-C PIT	Q 2Y	N/A N/A	STS EC-201 STS EC-201	
ECHV0012	M-12EC01(Q)	E-5	3	B	12	BTF	MO	O/C	BT-C PIT	Q 2Y	N/A N/A	STS EC-201 STS EC-201	
ECV0001	M-12EC01(Q)	G-7	3	B	12	GA	M	O	PAS	N/A			
ECV0004	M-12EC01(Q)	H-6	3	C	10	CK	SA	O/C	CVT-O	Q	N/A	STS EC-100A	
ECV0009	M-12EC01(Q)	E-4	3	B	10	GL	M	LT	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
ECV0010	M-12EC01(Q)	D-7	3	B	12	GA	M	O	PAS	N/A			
ECV0013	M-12EC01(Q)	E-6	3	C	10	CK	SA	O/C	CVT-O	Q	N/A	STS EC-100B	
ECV0018	M-12EC01(Q)	D-5	3	B	10	GL	M	LT	PAS	N/A			
ECV0083	M-12EC02(Q)	C-5	2	A	6	GA	M	LC	AT-1	2Y	N/A	STS PE-017	
ECV0084	M-12EC02(Q)	C-6	2	A	6	GA	M	LC	AT-1	2Y	N/A	STS PE-017	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
ECV0087	M-12EC02 (Q)	D-7	2	A	6	GA	M	LC	AT-1	2Y	N/A	STS PE-017	
ECV0086	M-12EC02 (Q)	D-7	2	A	6	GA	M	LC	AT-1	2Y	N/A	STS PE-017	
ECV0090	M-12EC01 (Q)	G-7	3	B	6	GA	M	C	PAS	N/A			
ECV0091	M-12EC01 (Q)	E-8	3	B	6	GA	M	C	PAS	N/A			
ECV0095	M-12EC02 (Q)	B-5	2	A	3	GA	M	LC	AT-1	2Y	N/A	STS PE-017	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
ECV0096	M-12EC02 (Q)	B-5	2	A	3	GA	M	LC	AT-1	2Y	N/A	STS PE-017	
ECV0995	M-12EC01 (Q)	C-3	2EC	N/A		GA	M	LC	PAS	N/A			
ECV0998	M-12EC01 (Q)	E-5	3	N/A	0.75x	RV	SA	C	RVT	10Y	N/A	STS MT-070	
ECV0999	M-12EC01 (Q)	G-5	3	N/A	0.75x	RV	SA	C	RVT	10Y	N/A	STS MT-070	
EFHV0023	M-12EF01 (Q)	F-7	3	B	30	BTf	MO	O	BT-C PIT	Q 2Y	N/A N/A	STS EF-100A STS EF-301A	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EFHV0024	M-12EF01(Q)	E-6	3	B	30	BTF	MO	O	BT-C PIT	Q 2Y	N/A N/A	STS EF-100B STS EF-301B	
EFHV0025	M-12EF01(Q)	F-7	3	B	30	BTF	MO	O	BT-C PIT	Q 2Y	N/A N/A	STS EF-100A STS EF-301A	
EFHV0026	M-12EF01(Q)	E-7	3	B	30	BTF	MO	O	BT-C PIT	Q 2Y	N/A N/A	STS EF-100B STS EF-301B	
EFHV0031	M-12EF02(Q)	G-8	2	A	14	BTF	MO	O	AT-1 BT-O BT-C PIT	2Y Q Q 2Y	N/A N/A N/A N/A	STS PE-017 STS EF-201A STS EF-201A STS EF-201A	
EFHV0032	M-12EF02(Q)	C-8	2	A	14	BTF	MO	O	AT-1 BT-O BT-C PIT	2Y Q Q 2Y	N/A N/A N/A N/A	STS PE-017 STS EF-201B STS EF-201B STS EF-201B	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EFHV0033	M-12EF02 (Q)	G-7	2	A	14	BTF	MO	O	AT-1	2Y	N/A	STS PE-017	
									BT-O	Q	N/A	STS EF-201A	
									BT-C	Q	N/A	STS EF-201A	
									PIT	2Y	N/A	STS EF-201A	
EFHV0034	M-12EF02 (Q)	C-7	2	A	14	BTF	MO	O	AT-1	2Y	N/A	STS PE-017	
									BT-O	Q	N/A	STS EF-201B	
									BT-C	Q	N/A	STS EF-201B	
									PIT	2Y	N/A	STS EF-201B	
EFHV0037	M-12EF02 (Q)	G-3	3	B	30	BTF	MO	O/T	BT-O	Q	N/A	STS EF-201A	
									PIT	2Y	N/A	STS EF-201A	
EFHV0038	M-12EF02 (Q)	C-3	3	B	30	BTF	MO	O/T	BT-O	Q	N/A	STS EF-201B	
									PIT	2Y	N/A	STS EF-201B	
EFHV0039	M-12EF02 (Q)	F-3	3	B	30	BTF	MO	O/T	BT-C	Q	N/A	STS EF-201A	
									PIT	2Y	N/A	STS EF-201A	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EFHV0040	M-12EF02 (Q)	D-3	3	B	30	BTF	MO	O/T	BT-C PIT	Q 2Y	N/A N/A	STS EF-201B STS EF-201B	
EFHV0041	M-12EF02 (Q)	E-3	3	B	30	BTF	MO	O/T	BT-C PIT	Q 2Y	N/A N/A	STS EF-201A STS EF-201A	
EFHV0042	M-12EF02 (Q)	D-3	3	B	30	BTF	MO	O/T	BT-C PIT	Q 2Y	N/A N/A	STS EF-201B STS EF-201B	
EFHV0043	M-12EF02 (Q)	E-7	3	B	2	GL	AO	O	BT-C FST PIT	Q Q 2Y	N/A N/A N/A	STS EF-201A STS EF-201A STS EF-201A	
EFHV0044	M-12EF01 (Q)	B-7	3	B	2	GL	AO	O	BT-C FST PIT	Q Q 2Y	N/A N/A N/A	STS EF-201B STS EF-201B STS EF-201B	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EFHV0045	M-12EF02 (Q)	G-6	2	A	14	BTF	MO	O	AT-1	2Y	N/A	STS PE-017	
									BT-O	Q	N/A	STS EF-201A	
									BT-C	Q	N/A	STS EF-201A	
									PIT	2Y	N/A	STS EF-201A	
EFHV0046	M-12EF02 (Q)	C-6	2	A	14	BTF	MO	O	AT-1	2Y	N/A	STS PE-017	
									BT-O	Q	N/A	STS EF-201B	
									BT-C	Q	N/A	STS EF-201B	
									PIT	2Y	N/A	STS EF-201B	
EFHV0049	M-12EF02 (Q)	G-6	2	A	14	BTF	MO	O/T	AT-1	2Y	N/A	STS PE-017	
									BT-O	Q	N/A	STS EF-201A	
									BT-C	Q	N/A	STS EF-201A	
									PIT	2Y	N/A	STS EF-201A	
EFHV0050	M-12EF02 (Q)	C-6	2	A	14	BTF	MO	O/T	AT-1	2Y	N/A	STS PE-017	
									BT-O	Q	N/A	STS EF-201B	
									BT-C	Q	N/A	STS EF-201B	
									PIT	Q	N/A	STS EF-201B	
EFHV0051	M-12EF02 (Q)	G-5	3	B	24	BTF	MO	O/T	BT-O	Q	N/A	STS EF-201A	
									BT-C	Q	N/A	STS EF-201A	
									PIT	2Y	N/A	STS EF-201A	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EFHV0052	M-12EF02 (Q)	D-5	3	B	24	BTF	MO	O/T	BT-O	Q	N/A	STS EF-201B	
									BT-C	Q	N/A	STS EF-201B	
									PIT	2Y	N/A	STS EF-201B	
EFHV0059	M-12EF02 (Q)	G-3	3	B	24	BTF	MO	O/T	BT-O	Q	N/A	STS EF-201A	
									BT-C	Q	N/A	STS EF-201A	
									PIT	2Y	N/A	STS EF-201A	
EFHV0060	M-12EF02 (Q)	C-3	3	B	24	BTF	MO	O/T	BT-O	Q	N/A	STS EF-201B	
									BT-C	Q	N/A	STS EF-201B	
									PIT	2Y	N/A	STS EF-201B	
EFHV0091	M-K2EF01 (Q)	F-6	3	B	3	GA	MO	C/O	BT-O	Q	N/A	STS EF-201A	
									BT-C	Q	N/A	STS EF-201A	
									PIT	2Y	N/A	STS EF-201A	
EFHV0092	M-K2EF01 (Q)	B-6	3	B	3	GA	MO	C/O	BT-O	Q	N/A	STS EF-201B	
									BT-C	Q	N/A	STS EF-201B	
									PIT	2Y	N/A	STS EF-201B	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EFHV0097	M-K2EF01 (Q)	E-5	3	B	3	GA	MO	O	BT-C PIT	Q 2Y	N/A N/A	STS EF-201A STS EF-201A	
EFHV0098	M-K2EF01 (Q)	B-5	3	B	3	GA	MO	O	BT-C PIT	Q 2Y	N/A N/A	STS EF-201B STS EF-201B	
EFPDV0019	M-K2EF01 (Q)	E-4	3	B	3	GA	MO	C	BT-O BT-C PIT	Q Q 2Y	N/A N/A N/A	STS EF-201A STS EF-201A STS EF-201A	
EFPDV0020	M-K2EF01 (Q)	B-4	3	B	3	GA	MO	C	BT-O BT-C PIT	Q Q 2Y	N/A N/A N/A	STS EF-201B STS EF-201B STS EF-201B	
EFV0001	M-K2EF01 (Q)	F-4	3	C	30	CK	SA	C	CVT-O CVT-C	Q Q	N/A N/A	STS EF-100A STS EF-100A	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EFV0002	M-K2EF01(Q)	F-3	3	B	30	BTF	M	LO	PAS	N/A			
EFV0003	M-K2EF01(Q)	F-4	3	B	3	GL	M	LT	PAS	N/A			
EFV0004	M-K2EF01(Q)	C-4	3	C	30	CK	SA	C	CVT-O CVT-C	Q Q	N/A N/A	STS EF-100B STS EF-100B	
EFV0005	M-K2EF01(Q)	C-3	3	B	30	BTF	M	LO	PAS	N/A			
EFV0006	M-K2EF01(Q)	B-4	3	B	3	GL	M	LT	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EFV0029	M-12EF01(Q)	G-5	3	B	4	GA	M	LO	PAS	N/A			
EFV0030	M-12EF01(Q)	G-4	3	B	4	GA	M	LO	PAS	N/A			
EFV0032	M-12EF01(Q)	F-5	3	B	4	GA	M	LO	PAS	N/A			
EFV0033	M-12EF01(Q)	F-4	3	B	4	GA	M	LO	PAS	N/A			
EFV0035	M-12EF01(Q)	E-5	3	B	4	GA	M	LO	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EFV0036	M-12EF01(Q)	E-4	3	B	4	GA	M	LO	PAS	N/A			
EFV0037	M-12EF01(Q)	E-5	3	B	4	GA	M	LO	PAS	N/A			
EFV0038	M-12EF01(Q)	E-4	3	B	4	GA	M	LO	PAS	N/A			
EFV0039	M-12EF02(Q)	F-7	3	B	4	GA	M	LO	PAS	N/A			
EFV0040	M-12EF02(Q)	F-6	3	B	4	GA	M	LT	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EFV0041	M-12EF02 (Q)	F-7	3	B	2.5	GA	M	LO	PAS	N/A			
EFV0042	M-12EF02 (Q)	F-6	3	B	2.5	GA	M	LO	PAS	N/A			
EFV0046	M-12EF02 (Q)	E-6	3	C	2.5	CK	SA	O	CVT-C	Q	N/A	STS EF-210A	
EFV0047	M-12EF02 (Q)	D-7	3	B	4	GA	M	LO	PAS	N/A			
EFV0048	M-12EF02 (Q)	D-6	3	B	4	GA	M	LO	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EFV0052	M-12EF02 (Q)	F-7	3	B	8	BTF	M	LO	PAS	N/A			
EFV0053	M-12EF01 (Q)	F-6	3	B	8	BTF	M	LO	PAS	N/A			
EFV0054	M-12EF01 (Q)	G-7	3	B	4	GA	M	LO	PAS	N/A			
EFV0055	M-12EF01 (Q)	G-6	3	B	4	GA	M	LO	PAS	N/A			
EFV0056	M-12EF02 (Q)	F-4	3	B	4	GA	M	LO	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EFV0057	M-12EF02 (Q)	F-3	3	B	4	GA	M	LO	PAS	N/A			
EFV0058	M-12EF02 (Q)	G-3	3	B	16	BTF	M	LT	PAS	N/A			
EFV0061	M-12EF01 (Q)	D-5	3	B	4	GA	M	LO	PAS	N/A			
EFV0062	M-12EF01 (Q)	D-4	3	B	4	GA	M	LO	PAS	N/A			
EFV0063	M-12EF01 (Q)	D-5	3	B	4	GA	M	LO	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EFV0064	M-12EF01(Q)	D-4	3	B	4	GA	M	LO	PAS	N/A			
EFV0065	M-12EF01(Q)	B-5	3	B	4	GA	M	LO	PAS	N/A			
EFV0066	M-12EF01(Q)	B-4	3	B	4	GA	M	LO	PAS	N/A			
EFV0068	M-12EF01(Q)	C-5	3	B	4	GA	M	LO	PAS	N/A			
EFV0069	M-12EF01(Q)	C-4	3	B	4	GA	M	LO	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EFV0071	M-12EF01(Q)	C-7	3	B	4	GA	M	LO	PAS	N/A			
EFV0072	M-12EF01(Q)	C-6	3	B	4	GA	M	LT	PAS	N/A			
EFV0076	M-12EF01(Q)	B-6	3	C	2.5	CK	SA	O	CVT-C	Q	N/A	STS EF-210B	
EFV0077	M-12EF01(Q)	B-7	3	B	4	GA	M	LO	PAS	N/A			
EFV0078	M-12EF01(Q)	B-6	3	B	4	GA	M	LO	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EFV0079	M-12EF01(Q)	D-7	3	B	8	BTF	M	LO	PAS	N/A			
EFV0080	M-12EF01(Q)	D-6	3	B	8	BTF	M	LO	PAS	N/A			
EFV0081	M-12EF01(Q)	D-7	3	B	4	GA	M	LO	PAS	N/A			
EFV0082	M-12EF01(Q)	D-6	3	B	4	GA	M	LO	PAS	N/A			
EFV0083	M-12EF02(Q)	C-7	3	B	2.5	GA	M	LO	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EFV0084	M-12EF02 (Q)	C-6	3	B	2.5	GA	M	LO	PAS	N/A			
EFV0088	M-12EF02 (Q)	B-4	3	B	4	GA	M	LO	PAS	N/A			
EFV0089	M-12EF02 (Q)	B-3	3	B	4	GA	M	LO	PAS	N/A			
EFV0090	M-12EF02 (Q)	C-3	3	B	16	BTF	M	LT	PAS	N/A			
EFV0093	M-K2EF01 (Q)	E-3	3	B	30	BTF	M	LC	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EFV0094	M-K2EF01(Q)	D-3	3	B	30	BTF	M	LC	PAS	N/A			
EFV0104	M-12EF01(Q)	G-8	3	B	30	BTF	M	LO	PAS	N/A			
EFV0107	M-12EF01(Q)	G-8	3	B	30	BTF	M	LO	PAS	N/A			
EFV0108	M-12EF02(Q)	G-2	3	B	30	BTF	M	LO	PAS	N/A			
EFV0113	M-12EF01(Q)	D-8	3	B	30	BTF	M	LO	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EFV0116	M-12EF01(Q)	D-8	3	B	30	BTF	M	LO	PAS	N/A			
EFV0117	M-12EF02(Q)	C-2	3	B	30	BTF	M	LO	PAS	N/A			
EFV0146	M-12EF02(Q)	F-7	3	B	2	GA	M	LO	PAS	N/A			
EFV0147	M-12EF02(Q)	F-6	3	B	2	GA	M	LO	PAS	N/A			
EFV0148	M-12EF02(Q)	C-7	3	B	2	GA	M	LO	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EFV0149	M-12EFC2(Q)	C-6	3	B	2	GA	M	LO	PAS	N/A			
EFV0162	M-K2EF01(Q)	G-6	3	B	1	GA	M	LC	PAS	N/A			
EFV0163	M-K2EF01(Q)	D-6	3	B	1	GA	M	LC	PAS	N/A			
EFV0241	M-K2EF01(Q)	F-2	3	C	30	CK	SA	O	CVT-O	Q	N/A	STS EF-100A	
EFV0242	M-K2EF01(Q)	C-2	3	C	30	CK	SA	O	CVT-O	Q	N/A	STS EF-100B	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EFV0245	M-K2EF01(Q)	H-5	3	B	1	GL	M	LT	PAS	N/A			
EFV0246	M-K2EF01(Q)	D-5	3	B	1	GL	M	LT	PAS	N/A			
EFV0247	M-K2EF01(Q)	G-6	3	B	2	GA	M	O	PAS	N/A			
EFV0272	M-12EF01(Q)	F-7	3	B	8	BTF	M	LO	PAS	N/A			
EFV0273	M-12EF01(Q)	F-6	3	B	8	BTF	M	LO	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EFV0274	M-12EF01(Q)	D-7	3	B	8	BTF	M	LO	PAS	N/A			
EFV0275	M-12EF01(Q)	D-6	3	B	8	BTF	M	LO	PAS	N/A			
EFV0336	M-K2EF01(Q)	G-3	3	B	1.5	GA	M	LC	PAS	N/A			
EFV0337	M-K2EF01(Q)	B-3	3	B	1.5	GA	M	LC	PAS	N/A			
EFV0339	M-K2EF01(Q)	F-3	3	B	2	GL	M	LC	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEK	TEST PROCEDURE	NOTES
EFV0340	M-K2EF01(Q)	F-3	3	B	2	GL	M	LC	PAS	N/A			
EFV0343	M-K2EF01(Q)	E-3	3	B	2	GL	M	LC	PAS	N/A			
EFV0344	M-K2EF01(Q)	D-3	3	B	2	GL	M	LC	PAS	N/A			
EFV0345	M-12EF01(Q)	B-6	3	B	2.5	GA	M	LO	BT-C	Q	N/A	STS EF-210B	
EFV0346	M-12EF02(Q)	F-6	3	B	2.5	GA	M	LO	BT-C	Q	N/A	STS EF-210A	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EGHV0011	M-12EG01(Q)	F-8	3	B	1.5	GL	MO	C	BT-O	Q	N/A	STS EG-201A	
									BT-C	Q	N/A	STS EG-201A	
									PIT	2Y	N/A	STS EG-201A	
EGHV0012	M-12EG01(Q)	C-8	3	B	1.5	GL	MO	C	BT-O	Q	N/A	STS EG-201B	
									BT-C	Q	N/A	STS EG-201B	
									PIT	2Y	N/A	STS EG-201B	
EGHV0013	M-12EG01(Q)	F-7	3	B	1.5	GL	MO	C	BT-O	Q	N/A	STS EG-201A	
									BT-C	Q	N/A	STS EG-201A	
									PIT	2Y	N/A	STS EG-201A	
EGHV0014	M-12EG01(Q)	C-7	3	B	1.5	GL	MO	C	BT-O	Q	N/A	STS EG-201B	
									BT-C	Q	N/A	STS EG-201B	
									PIT	2Y	N/A	STS EG-201B	
EGHV0015	M-12EG01(Q)	D-6	3	B	18	BTF	MO	O/C	BT-O	Q	N/A	STS EG-205	
									BT-C	Q	N/A	STS EG-205	
									PIT	2Y	N/A	STS EG-205	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EGHV0016	M-12EG01(Q)	C-6	3	B	18	BTF	MO	O/C	BT-O	Q	N/A	STS EG-205	
									BT-C	Q	N/A	STS EG-205	
									PIT	2Y	N/A	STS EG-205	
EGHV0053	M-12EG02(Q)	G-5	3	B	18	BTF	MO	O/C	BT-O	Q	N/A	STS EG-205	
									BT-C	Q	N/A	STS EG-205	
									PIT	2Y	N/A	STS EG-205	
EGHV0054	M-12EG02(Q)	E-5	3	B	18	BTF	MO	O/C	BT-O	Q	N/A	STS EG-205	
									BT-C	Q	N/A	STS EG-205	
									PIT	2Y	N/A	STS EG-205	
EGHV0058	M-12EG03(Q)	H-5	2	A	12	GA	MO	O	AT-1	2Y	N/A	STS PE-017	
									BT-O	Q	N/A	STS EG-201A	
									BT-C	Q	N/A	STS EG-201A	
EGHV0059	M-12EG03(Q)	C-5	2	A	12	GA	MO	O	AT-1	2Y	N/A	STS PE-017	
									BT-O	Q	N/A	STS EG-201A	
									BT-C	Q	N/A	STS EG-201A	
									PIT	2Y	N/A	STS EG-201A	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EGHV0060	M-12EG03(Q)	B-5	2	A	12	GA	MO	O	AT-1	2Y	N/A	STS PE-017	
									BT-O	Q	N/A	STS EG-201B	
									BT-C	Q	N/A	STS EG-201B	
									PIT	2Y	N/A	STS EG-201B	
EGHV0061	M-12EG03(Q)	C-4	2	A	4	GA	MO	O	AT-1	2Y	N/A	STS PE-017	
									BT-O	Q	N/A	STS EG-201A	
									BT-C	Q	N/A	STS EG-201A	
									PIT	2Y	N/A	STS EG-201A	
EGHV0062	M-12EG03(Q)	B-4	2	A	4	GA	MO	O	AT-1	2Y	N/A	STS PE-017	
									BT-O	Q	N/A	STS EG-201B	
									BT-C	Q	N/A	STS EG-201B	
									PIT	2Y	N/A	STS EG-201B	
EGHV0069A	M-12EG03(Q)	G-8	3	B	14	BTF	AO	O	BT-C	Q	N/A	STS EG-205	
									FST	Q	N/A	STS EG-205	
									PIT	2Y	N/A	STS EG-205	
EGHV0069B	M-12EG03(Q)	G-6	3	B	14	BTF	AO	O	BT-C	Q	N/A	STS EG-205	
									FST	Q	N/A	STS EG-205	
									PIT	2Y	N/A	STS EG-205	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EGHV0070A	M-12EG03 (Q)	F-8	3	B	14	BTF	AO	O	BT-C	Q	N/A	STS EG-205	
									FST	Q	N/A	STS EG-205	
									PIT	2Y	N/A	STS EG-205	
EGHV0070B	M-12EG03 (Q)	F-6	3	B	14	BTF	AO	O	BT-C	Q	N/A	STS EG-205	
									FST	Q	N/A	STS EG-205	
									PIT	2Y	N/A	STS EG-205	
EGHV0071	M-12EG03 (Q)	H-5	3	B	12	GA	MO	O	BT-O	Q	N/A	STS EG-201B	
									BT-C	Q	N/A	STS EG-201B	
									PIT	2Y	N/A	STS EG-201B	
EGHV0072	M-12EG02 (Q)	G-2	3	B	2	GL	MO	O	BT-C	Q	N/A	STS EG-201A	
									PIT	2Y	N/A	STS EG-201A	
EGHV0073	M-12EG02 (Q)	G-2	3	B	2	GL	MO	O	BT-C	Q	N/A	STS EG-201B	
									PIT	2Y	N/A	STS EG-201B	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EGHV0074	M-12EG02(Q)	G-1	3	B	2	GL	MO	O	BT-C PIT	Q 2Y	N/A N/A	STS EG-201B STS EG-201B	
EGHV0075	M-12EG02(Q)	G-1	3	B	2	GL	MO	O	BT-C PIT	Q 2Y	N/A N/A	STS EG-201A STS EG-201A	
EGHV0101	M-12EG02(Q)	G-4	3	B	18	BTF	MO	C	BT-O PIT	Q 2Y	N/A N/A	STS EG-205 STS EG-205	
EGHV0102	M-12EG02(Q)	C-4	3	B	18	BTF	MO	C	BT-O PIT	Q 2Y	N/A N/A	STS EG-205 STS EG-205	
EGHV0126	M-12EG03(Q)	G-5	3	B	12	GA	MO	LC	BT-O PIT	Q 2Y	N/A N/A	STS EG-201B STS EG-201B	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EGHV0127	M-12EG03 (Q)	G-5	2	A	12	GA	MO	LC	AT-1	2Y	N/A	STS PE-017	
									BT-O	Q	N/A	STS EG-201A	
									PIT	2Y	N/A	STS EG-201A	
EGHV0130	M-12EG03 (Q)	B-5	2	A	12	GA	MO	LC	AT-1	2Y	N/A	STS PE-017	
									BT-O	Q	N/A	STS EG-201B	
									PIT	2Y	N/A	STS EG-201B	
EGHV0131	M-12EG03 (Q)	C-5	2	A	12	GA	MO	LC	AT-1	2Y	N/A	STS PE-017	
									BT-O	Q	N/A	STS EG-201A	
									PIT	2Y	N/A	STS EG-201A	
EGHV0132	M-12EG03 (Q)	B-4	2	A	4	GA	MO	LC	AT-1	2Y	N/A	STS PE-017	
									BT-O	Q	N/A	STS EG-201B	
									PIT	2Y	N/A	STS EG-201B	
EGHV0133	M-12EG03 (Q)	C-5	2	A	4	GA	MO	LC	AT-1	2Y	N/A	STS PE-017	
									BT-O	Q	N/A	STS EG-201A	
									PIT	2Y	N/A	STS EG-201A	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NCRM POS	TEST RQMT	TFST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EGRV0009	M-12EG01(Q)	G-6	3	B	2	GL	AO	O	BT-O	Q	N/A	STS EG-201A	
									BT-C	Q	N/A	STS EG-201A	
									PIT	2Y	N/A	STS EG-201A	
EGRV0010	M-12EG01(Q)	C-6	3	B	2	GL	AO	O	BT-O	Q	N/A	STS EG-201B	
									BT-C	Q	N/A	STS EG-201B	
									PIT	2Y	N/A	STS EG-201B	
EGV0003	M-12EG01(Q)	G-3	3	C	20	CK	SA	O/C	CVT-O	Q	N/A	STS EG-100A	
									CVT-C	Q	N/A	STS EG-100A	
EGV0004	M-12EG01(Q)	G-3	3	B	20	BTF	M	LO	PAS	N/A			
EGV0007	M-12EG01(Q)	E-3	3	C	20	CK	SA	O/C	CVT-O	Q	N/A	STS EG-100A	
									CVT-C	Q	N/A	STS EG-100A	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EGV0008	M-12EG01(Q)	E-3	3	B	20	BTF	M	LO	PAS	N/A			
EGV0009	M-12EG01(Q)	E-2	3	B	2	GL	M	LC	PAS	N/A			
EGV0012	M-12EG01(Q)	D-3	3	C	20	CK	SA	O/C	CVT-O CVT-C	Q Q	N/A N/A	STS EG-100B STS EG-100B	
EGV0013	M-12EG01(Q)	D-3	3	B	20	BTF	M	LO	PAS	N/A			
EGV0016	M-12EG01(Q)	B-3	3	C	20	CK	SA	O/C	CVT-O CVT-C	Q Q	N/A N/A	STS EG-100B STS EG-100B	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EGV0017	M-12EG01 (Q)	B-3	3	B	20	BTF	M	LO	PAS	N/A			
EGV0018	M-12EG01 (Q)	D-2	3	B	2	GL	M	LC	PAS	N/A			
EGV0019	M-12EG02 (Q)	G-7	3	B	20	BTF	M	LO	PAS	N/A			
EGV0024	M-12EG02 (Q)	G-6	3	N/A	0.75x	RV	SA	C	RVT	10Y	N/A	STS MT-070	
EGV0027	M-12EG02 (Q)	G-6	3	C	0.75x	RV	SA	C	RVT	10Y	N/A	STS MT-070	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EGV0035	M-12EG02 (Q)	G-6	3	B	20	BTF	M	LO	PAS	N/A			
EGV0036	M-12EG02 (Q)	G-5	3	C	18	CK	SA	O/C	CVT-O	Q	N/A	NOTES	80
EGV0038	M-12EG02 (Q)	F-4	3	B	3	GA	M	LO	PAS	N/A			
EGV0039	M-12EG02 (Q)	E-4	3	B	2.5	GA	M	LO	PAS	N/A			
EGV0040	M-12EG02 (Q)	F-4	3	B	2	GA	M	LO	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EGV0042	M-12EG02 (Q)	E-4	3	B	1	GA	M	LO	PAS	N/A			
EGV0043	M-12EG02 (Q)	F-2	3	B	3	GA	M	LO	PAS	N/A			
EGV0044	M-12EG02 (Q)	C-7	3	B	20	BTF	M	LO	PAS	N/A			
EGV0049	M-12EG02 (Q)	C-6	3	N/A	0.75x	RV	SA	C	RVT	10Y	N/A	STS MT-070	
EGV0052	M-12EG02 (Q)	C-6	3	C	0.75x	RV	SA	C	RVT	10Y	N/A	STS MT-070	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EGV0060	M-12EG02 (Q)	C-6	3	B	20	BTF	M	LO	PAS	N/A			
EGV0061	M-12EG02 (Q)	F-5	3	C	18	CK	SA	O/C	CVT-O	Q	N/A	NOTES	80
EGV0063	M-12EG02 (Q)	C-4	3	B	3	GA	M	LO	PAS	N/A			
EGV0064	M-12EG02 (Q)	B-4	3	B	2.5	GA	M	LO	PAS	N/A			
EGV0065	M-12EG02 (Q)	B-4	3	B	2	GA	M	LO	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EGV0067	M-12EG02 (Q)	A-4	3	B	1	GA	M	LO	PAS	N/A			
EGV0068	M-12EG02 (Q)	C-2	3	B	3	GA	M	LO	PAS	N/A			
EGV0088	M-12EG03 (Q)	H-5	3	B	12	GA	M	O	PAS	N/A			
EGV0092	M-12EG03 (Q)	H-4	3	B	12	GA	M	O	PAS	N/A			
EGV0093	M-12EG03 (Q)	D-3	3	B	4	GA	M	O	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EGV0094	M-12EG03 (Q)	C-3	3	B	4	GA	M	O	PAS	N/A			
EGV0095	M-12EG03 (Q)	G-2	3	B	6	GA	M	O	PAS	N/A			
EGV0096	M-12EG03 (Q)	C-3	3	B	4	GA	M	O	PAS	N/A			
EGV0097	M-12EG03 (Q)	D-3	3	B	1	GA	M	O	PAS	N/A			
EGV0099	M-12EG03 (Q)	E-3	3	B	4	GA	M	O	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EGV0100	M-12EG03 (Q)	E-3	3	B	4	GA	M	O	PAS	N/A			
EGV0101	M-12EG03 (Q)	G-2	3	B	6	GA	M	O	PAS	N/A			
EGV0102	M-12EG03 (Q)	E-3	3	B	4	GA	M	O	PAS	N/A			
EGV0103	M-12EG03 (Q)	E-3	3	B	1	GA	M	O	PAS	N/A			
EGV0105	M-12EG03 (Q)	A-3	3	B	4	GA	M	O	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EGV0108	M-12EG03 (Q)	G-3	3	B	4	GA	M	O	PAS	N/A			
EGV0109	M-12EG03 (Q)	F-3	3	B	4	GA	M	O	PAS	N/A			
EGV0110	M-12EG03 (Q)	G-2	3	B	6	GA	M	O	PAS	N/A			
EGV0111	M-12EG03 (Q)	G-3	3	B	4	GA	M	O	PAS	N/A			
EGV0112	M-12EG03 (Q)	G-3	3	B	1	GA	M	O	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EGV0114	M-12EG03(Q)	B-3	3	B	4	GA	M	O	PAS	N/A			
EGV0115	M-12EG03(Q)	B-3	3	B	4	GA	M	O	PAS	N/A			
EGV0116	M-12EG03(Q)	G-2	3	B	6	GA	M	O	PAS	N/A			
EGV0117	M-12EG03(Q)	B-3	3	B	4	GA	M	O	PAS	N/A			
EGV0118	M-12EG03(Q)	A-3	3	B	1	GA	M	O	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EGV0123	M-12EG03 (Q)	D-4	3	B	4	GA	M	O	PAS	N/A			
EGV0124	M-12EG03 (Q)	D-4	3	C	4	CK	SA	O	CVT-O	Q	N/A	NOTES	80
EGV0125	M-12EG03 (Q)	A-5	3	B	12	GA	M	O	PAS	N/A			
EGV0128	M-12EG03 (Q)	D-5	3	B	12	GA	M	O	PAS	N/A			
EGV0129	M-12EG03 (Q)	D-5	3	C	12	CK	SA	O	CVT-O	Q	N/A	NOTES	80

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EGV0130	M-12EG01(Q)	D-6	3	C	18	CK	SA	O/C	CVT-O	Q	N/A	NOTES	80
EGV0131	M-12EG01(Q)	D-6	3	C	18	CK	SA	O/C	CVT-O	Q	N/A	NOTES	80
EGV0132	M-12EG01(Q)	G-5	3	B	20	BTF	M	LO	PAS	N/A			
EGV0135	M-12EG01(Q)	E-5	3	B	20	BTF	M	LO	PAS	N/A			
EGV0138	M-12EG01(Q)	D-5	3	B	20	BTF	M	LO	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EGV0141	M-12EG01(Q)	B-5	3	B	20	BTF	M	LO	PAS	N/A			
EGV0147	M-12EG01(Q)	G-7	3	B	2	GL	M	C	PAS	N/A			
EGV0150	M-12EG01(Q)	B-7	3	B	2	GL	M	C	PAS	N/A			
EGV0158	M-12EG01(Q)	D-7	3	B	2	GL	M	LC	PAS	N/A			
EGV0159	M-12EG01(Q)	G-6	3	C	2x3	RV	SA	C	RVT	10Y	N/A	STS MT-070	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EGV0169	M-12EG01 (Q)	D-7	3	B	2	GL	M	LC	PAS	N/A			
EGV0170	M-12EG01 (Q)	C-6	3	C	2x3	RV	SA	C	RVT	10Y	N/A	STS MT-070	
EGV0182	M-12EG01 (Q)	F-7	3	B	3	GA	M	LO	PAS	N/A			
EGV0185	M-12EG01 (Q)	C-7	3	B	3	GA	M	LO	PAS	N/A			
EGV0200	M-12EG02 (Q)	H-4	3	B	12	BTF	M	LO	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EGV0201	M-12EG02 (Q)	D-4	3	B	12	BTF	M	LO	PAS	N/A			
EGV0204	M-12EG03 (Q)	H-4	2	A/C	12	CK	SA	O/C	AT-1 CVT-O CVT-C	2Y Q CS	N/A N/A N/A	STS PE-017 NOTES STS PE-017	59,80
EGV0305	M-12EG01 (Q)	G-6	3	C	1x1	RV	SA	C	RVT	10Y	2VR-3	STS MT-070	
EGV0306	M-12EG01 (Q)	C-6	3	C	1x1	RV	SA	C	RVT	10Y	2VR-3	STS MT-070	
EGV0331	M-12EG03 (Q)	G-3	3	B	3	GA	M	O	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EGV0332	M-12EG03 (Q)	F-3	3	B	3	GA	M	O	PAS	N/A			
EGV0333	M-12EG03 (Q)	D-3	3	B	3	GA	M	O	PAS	N/A			
EGV0334	M-12EG03 (Q)	C-3	3	B	3	GA	M	O	PAS	N/A			
EGV0370	M-12EG03 (Q)	A-4	3	B	4	GA	M	O	PAS	N/A			
EJ8708A	M-12EJ01 (Q)	G-7	2	C	3x4	RV	SA	C	RVT	10Y	N/A	STS MT-070	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EJ8708B	M-12EJ01(Q)	C-7	2	C	3x4	RV	SA	C	RVT	10Y	N/A	STS MT-070	
EJ8724A	M-12EJ01(Q)	G-6	2	B	10	GA	M	LO	PAS	N/A			
EJ8724B	M-12EJ01(Q)	C-6	2	B	10	GA	M	LO	PAS	N/A			
EJ8730A	M-12EJ01(Q)	G-4	2	C	10	CK	SA	C	CVT-C CVP-O CVT-O	CS Q CS	N/A N/A N/A	STS CV-211 STS EJ-100A STS CV-211	33
EJ8730B	M-12EJ01(Q)	C-4	2	C	10	CK	SA	C	CVT-C CVP-O CVT-O	CS Q CS	N/A N/A N/A	STS CV-211 STS EJ-100B STS CV-211	33

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EJ8841A	M-12EJ01(Q)	E-2	1	A/C	6	CK	SA	C	AT-2	1.5Y	N/A	STS PE-019E	4,62,63
									CVT-O	CS	N/A	STS CV-211	
									CVT-C	1.5Y	N/A	STS PE-019E	
EJ8841B	M-12EJ01(Q)	D-2	1	A/C	6	CK	SA	C	AT-2	1.5Y	N/A	STS PE-019E	4,62,63
									CVT-O	CS	N/A	STS CV-211	
									CVT-C	1.5Y	N/A	STS PE-019E	
EJ8842	M-12EJ01(Q)	D-3	2	C	0.75x	RV	SA	C	RVT	10Y	N/A	STS MT-070	
EJ8856A	M-12EJ01(Q)	G-3	2	C	0.75x	RV	SA	C	RVT	10Y	N/A	STS MT-070	
EJ8856B	M-12EJ01(Q)	B-3	2	C	0.75x	RV	SA	C	RVT	10Y	N/A	STS MT-070	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EJ8958A	M-12EJ01(Q)	F-6	2	C	14	CK	SA	C	CVT-C	CS	N/A	STS BN-206	72,73
									CVP-O	Q	N/A	STS EJ-100A	
									CVT-O	CS	N/A	STS CV-211	
EJ8958B	M-12EJ01(Q)	B-6	2	C	14	CK	SA	C	CVT-C	CS	N/A	STS BN-206	72,73
									CVP-O	Q	N/A	STS EJ-100B	
									CVT-O	CS	N/A	STS CV-211	
EJ8969A	M-12EJ01(Q)	G-4	2	C	8	CK	SA	C	CVT	RR	N/A	STS CV-210	71
EJ8969B	M-12EJ01(Q)	A-4	2	C	8	CK	SA	C	CVT-O	RR	N/A	STS CV-210	71
EJFCV0610	M-12EJ01(Q)	H-6	2	B	3	GA	MO	O	BT-O	Q	N/A	STS EJ-201	
									BT-C	Q	N/A	STS EJ-201	
									PIT	2Y	N/A	STS EJ-201	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EJFCV0611	M-12EJ01(Q)	A-6	2	B	3	GA	MO	O	BT-O	Q	N/A	STS EJ-201	
									BT-C	Q	N/A	STS EJ-201	
									PIT	2Y	N/A	STS EJ-201	
EJFCV0618	M-12EJ01(Q)	F-5	2	B	8	BTF	AO	C	PIT	2Y	N/A	STS EJ-209	
EJFCV0619	M-12EJ01(Q)	F-5	2	B	8	BTF	AO	C	PIT	2Y	N/A	STS EJ-209	
EJHCV0606	M-12EJ01(Q)	G-4	2	B	10	BTF	AO	O	PIT	2Y	N/A	STS EJ-209	
EJHCV0607	M-12EJ01(Q)	C-4	2	B	10	BTF	AO	O	PIT	2Y	N/A	STS EJ-209	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EJHCV8825	M-12EJ01(Q)	E-2	2	B	0.75	GL	AO	C	BT-C	Q	N/A	STS EJ-201	
									FST	Q	N/A	STS EJ-201	
									PIT	2Y	N/A	STS EJ-201	
EJHCV8890A	M-12EJ01(Q)	F-3	2	B	0.75	GL	AO	C	BT-C	Q	N/A	STS EJ-201	
									FST	Q	N/A	STS EJ-201	
									PIT	2Y	N/A	STS EJ-201	
EJHCV8890B	M-12EJ01(Q)	C-2	2	B	0.75	GL	AO	C	BT-C	Q	N/A	STS EJ-201	
									FST	Q	N/A	STS EJ-201	
									PIT	2Y	N/A	STS EJ-201	
EJHV0014	M-12EJ01(Q)	H-5	2	B	1	GL	SO	C	PIT	2Y	N/A	STS EJ-208	
EJHV0015	M-12EJ01(Q)	A-5	2	B	1	GL	SO	C	PIT	2Y	N/A	STS EJ-208	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EJHV0023	M-12EJ01(Q)	F-7	2	A	1	GL	SO	C	AT-1	2Y	N/A	STS PE-017	
									BT-C	Q	N/A	STS EJ-201	
									FST	Q	N/A	STS EJ-201	
									PIT	2Y	N/A	STS EJ-207	
EJHV0024	M-12EJ01(Q)	D-6	2	A	1	GL	SO	C	AT-1	2Y	N/A	STS PE-017	
									BT-C	Q	N/A	STS EJ-201	
									FST	Q	N/A	STS EJ-201	
									PIT	2Y	N/A	STS EJ-207	
EJHV0025	M-12EJ01(Q)	F-6	2	A	1	GL	SO	C	AT-1	2Y	N/A	STS PE-017	
									BT-C	Q	N/A	STS EJ-201	
									FST	Q	N/A	STS EJ-201	
									PIT	2Y	N/A	STS EJ-207	
EJHV0026	M-12EJ01(Q)	D-6	2	A	1	GL	SO	C	AT-1	2Y	N/A	STS PE-017	
									BT-C	Q	N/A	STS EJ-201	
									FST	Q	N/A	STS EJ-201	
									PIT	2Y	N/A	STS EJ-207	
EJHV8701A	M-12EJ01(Q)	F-8	1	A	12	GA	MO	C	AT-2	1.5Y	N/A	STS PE-019B	4, 8
									BT-O	CS	N/A	STS EJ-205	
									BT-C	CS	N/A	STS EJ-205	
									PIT	2Y	N/A	STS EJ-205	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EJHV8701B	M-12EJ01(Q)	F-8	1	A	12	GA	MO	C	AT-2	1.5Y	N/A	STS PE-019B	4, 8
									BT-O	CS	N/A	STS EJ-205	
									BT-C	CS	N/A	STS EJ-205	
									PIT	2Y	N/A	STS EJ-205	
EJHV8716A	M-12EJ01(Q)	E-4	2	B	10	GA	MO	O	BT-O	CS	N/A	STS EJ-202	20
									BT-C	CS	N/A	STS EJ-202	
									PIT	2Y	N/A	STS EJ-202	
EJHV8716B	M-12EJ01(Q)	D-4	2	B	10	GA	MO	O	BT-O	CS	N/A	STS EJ-202	20
									BT-C	CS	N/A	STS EJ-202	
									PIT	2Y	N/A	STS EJ-202	
EJHV8804A	M-12EJ01(Q)	E-2	2	B	8	GA	MO	C	BT-O	CS	N/A	STS EJ-205	27
									PIT	2Y	N/A	STS EJ-205	
EJHV8804B	M-12EJ01(Q)	A-4	2	B	8	GA	MO	C	BT-O	CS	N/A	STS EJ-205	27
									PIT	2Y	N/A	STS EJ-205	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EJHV8809A	M-12EJ01(Q)	G-3	2	B	10	GA	MO	O	BT-O	CS	N/A	STS EJ-202	28
									BT-C	CS	N/A	STS EJ-202	
									PIT	2Y	N/A	STS EJ-202	
EJHV8809B	M-12EJ01(Q)	C-3	2	B	10	GA	MO	O	BT-O	CS	N/A	STS EJ-202	28
									BT-C	CS	N/A	STS EJ-202	
									PIT	2Y	N/A	STS EJ-202	
EJHV8811A	M-12EJ01(Q)	E-7	2	B	14	GA	MO	C	BT-O	CS	N/A	STS EJ-206	34
									PIT	2Y	N/A	STS EJ-206	
EJHV8811B	M-12EJ01(Q)	D-7	2	B	14	GA	MO	C	BT-O	CS	N/A	STS EJ-206	34
									PIT	2Y	N/A	STS EJ-206	
EJHV8840	M-12EJ01(Q)	E-3	2	B	10	GA	MO	C	BT-O	CS	N/A	STS EJ-202	28
									BT-C	CS	N/A	STS EJ-202	
									PIT	2Y	N/A	STS EJ-202	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EJV0001	M-12EJ01(Q)	F-4	2	B	2	GL	M	C	PAS	N/A			
EJV0002	M-12EJ01(Q)	C-4	2	B	2	GL	M	C	PAS	N/A			
EJV0033	M-12EJ01(Q)	G-5	3	B	18	BTF	M	O	PAS	N/A			
EJV0038	M-12EJ01(Q)	D-5	3	B	18	BTF	M	O	PAS	N/A			
EJV0070	M-12EJ01(Q)	G-6	2	B	0.75	GL	M	LT	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EJV0071	M-12EJ01(Q)	D-6	2	B	0.75	GL	M	LT	PAS	N/A			
EJV0084	M-12EJ01(Q)	H-5	3	N/A	1.5x1	RV	SA	C	RVT	10Y	N/A	STS MT-070	
EJV0085	M-12EJ01(Q)	D-5	3	N/A	1.5x1	RV	SA	C	RVT	10Y	N/A	STS MT-070	
EJV0156	M-12EJ01(Q)	G-6	3	N/A	0.75x	RV	SA	C	RVT	10Y	N/A	STS MT-070	
EJV0157	M-12EJ01(Q)	D-6	3	N/A	0.75x	RV	SA	C	RVT	10Y	N/A	STS MT-070	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EM8815	M-12EM02 (Q)	D-3	1	A/C	3	CK	SA	C	AT-2 CVT-O CVT-C	1.5Y RR 1.5Y	N/A N/A N/A	STS PE-019E STS CV-216 STS PE-019E	4,60,61
EM8851	M-12EM01 (Q)	C-4	2	N/A	0.75x	RV	SA	C	RVT	10Y	N/A	STS MT-070	
EM8852	M-12EM02 (Q)	E-4	2	C	0.75x	RV	SA	C	RVT	5Y	N/A	STS MT-068	
EM8853A	M-12EM01 (Q)	F-5	2	N/A	0.75x	RV	SA	C	RVT	10Y	N/A	STS MT-070	
EM8853B	M-12EM01 (Q)	E-5	2	N/A	0.75x	RV	SA	C	RVT	10Y	N/A	STS MT-070	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EM8858A	M-12EM01(Q)	E-7	2	N/A	.75x1	RV	SA	C	RVT	10Y	N/A	STS MT-070	
EM8858B	M-12EM01(Q)	D-7	2	N/A	.75x1	RV	SA	C	RVT	10Y	N/A	STS MT-070	
EM8921A	M-12EM01(Q)	E-5	2	B	4	GA	M	LO	PAS	N/A			
EM8921B	M-12EM01(Q)	D-5	2	B	4	GA	M	LO	PAS	N/A			
EM8922A	M-12EM01(Q)	E-6	2	C	4	CK	SA	C	CVT-C CVP-O CVT-O	CS Q CS	N/A N/A N/A	STS CV-210 STS EM-100A STS CV-210	68,77

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EM8922B	M-12EM01(Q)	D-5	2	C	4	CK	SA	C	CVT-C	CS	N/A	STS CV-210	68,77
									CVP-O	Q	N/A	STS EM-100B	
									CVT-O	CS	N/A	STS CV-210	
EM8926A	M-12EM01(Q)	E-7	2	C	8	CK	SA	C	CVT-C	CS	N/A	STS BN-206	68,69
									CVP-O	Q	N/A	STS EM-100A	
									CVT-O	CS	N/A	STS CV-210	
EM8926B	M-12EM01(Q)	D-7	2	C	8	CK	SA	C	CVT-C	CS	N/A	STS BN-206	68,69
									CVP-O	Q	N/A	STS EM-100B	
									CVT-O	CS	N/A	STS CV-210	
EMHV8801A	M-12EM02(Q)	D-4	2	B	4	GA	MO	C	BT-O	Q	N/A	STS EM-205	
									BT-C	Q	N/A	STS EM-205	
									PIT	2Y	N/A	STS EM-205	
EMHV8801B	M-12EM02(Q)	D-4	2	B	4	GA	MO	C	BT-O	Q	N/A	STS EM-205	
									BT-C	Q	N/A	STS EM-205	
									PIT	2Y	N/A	STS EM-205	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EMHV8802A	M-12EM01(Q)	E-4	2	B	4	GA	MO	C	BT-O	Q	N/A	STS EM-201A	
									BT-C	Q	N/A	STS EM-201A	
									PIT	2Y	N/A	STS EM-201A	
EMHV8802B	M-12EM01(Q)	D-4	2	B	4	GA	MO	C	BT-O	Q	N/A	STS EM-201B	
									BT-C	Q	N/A	STS EM-201B	
									PIT	2Y	N/A	STS EM-201B	
EMHV8803A	M-12EM02(Q)	C-7	2	B	4	GA	MO	C	BT-O	Q	N/A	STS EM-205	
									BT-C	Q	N/A	STS EM-205	
									PIT	2Y	N/A	STS EM-205	
EMHV8803B	M-12EM02(Q)	A-7	2	B	4	GA	MO	C	BT-O	Q	N/A	STS EM-205	
									BT-C	Q	N/A	STS EM-205	
									PIT	2Y	N/A	STS EM-205	
EMHV8807A	M-12EM01(Q)	G-7	2	B	6	GA	MO	C	BT-O	Q	N/A	STS EM-201A	
									PIT	2Y	N/A	STS EM-201A	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EMHV8807B	M-12EM01(Q)	F-7	2	B	6	GA	MO	C	BT-O PIT	Q 2Y	N/A N/A	STS EM-201B STS EM-201B	
EMHV8814A	M-12EM01(Q)	B-6	2	A	1.5	GL	MO	O	AT-4 BT-C PIT	2Y Q 2Y	N/A N/A N/A	STS CV-210 STS EM-201A STS EM-201A	
EMHV8814B	M-12EM01(Q)	B-5	2	A	1.5	GL	MO	O	AT-4 BT-C PIT	2Y Q 2Y	N/A N/A N/A	STS CV-210 STS EM-201B STS EM-201B	
EMHV8821A	M-12EM01(Q)	E-5	2	B	4	GA	MO	O	BT-C PIT	Q 2Y	N/A N/A	STS EM-201A STS EM-201A	
EMHV8821B	M-12EM01(Q)	D-5	2	B	4	GA	MO	O	BT-C PIT	Q 2Y	N/A N/A	STS EM-201B STS EM-201B	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EMHV8823	M-12EM01(Q)	C-4	2	B	0.75	GL	AO	C	BT-C	Q	N/A	STS EM-201A	
									FST	Q	N/A	STS EM-201A	
									PIT	2Y	N/A	STS EM-201A	
EMHV8824	M-12EM01(Q)	D-3	2	B	0.75	GL	AO	C	BT-C	Q	N/A	STS EM-201A	
									FST	Q	N/A	STS EM-201A	
									PIT	2Y	N/A	STS EM-201A	
EMHV8835	M-12EM01(Q)	B-4	2	B	4	GA	MO	O	BT-C	CS	N/A	STS EM-202	30
									BT-C	CS	N/A	STS EM-202	
									PIT	2Y	N/A	STS EM-202	
EMHV8843	M-12EM02(Q)	C-4	2	B	0.75	GL	AO	C	BT-C	Q	N/A	STS EM-201B	
									FST	Q	N/A	STS EM-201B	
									PIT	2Y	N/A	STS EM-201B	
EMHV8870A	M-12EM02(Q)	E-5	2	B	1	GL	AO	C	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EMHV8870B	M-12EM02(Q)	E-5	2	E	1	GL	AO	C	PAS	N/A			
EMHV8871	M-12EM01(Q)	H-5	2	A	0.75	GL	AO	C	AT-1 BT-C FST PIT	2Y Q Q 2Y	N/A N/A N/A N/A	STS PE-017 STS EM-201B STS EM-201B STS EM-201B	
EMHV8881	M-12EM01(Q)	G-4	2	B	0.75	GL	AO	C	BT-C FST PIT	Q Q 2Y	N/A N/A N/A	STS EM-201A STS EM-201A STS EM-201A	
EMHV8882	M-12EM02(Q)	C-3	2	B	0.75	GL	AO	C	PIT	2Y	N/A	STS EM-203	
EMHV8883	M-12EM02(Q)	D-6	2	B	1	GL	AO	C	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST PQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EMHV8888	M-12EM01(Q)	F-6	2	A	1	GL	AO	C	AT-1 BT-C FST PIT	2Y Q Q 2Y	N/A N/A N/A N/A	STS PE-017 STS EM-201B STS EM-201B STS EM-201B	
EMHV8889A	M-12EM01(Q)	G-2	2	B	0.75	GL	AO	C	PIT	2Y	N/A	STS EM-203	
EMHV8889B	M-12EM01(Q)	G-3	2	B	0.75	GL	AO	C	PIT	2Y	N/A	STS EM-203	
EMHV8889C	M-12EM01(Q)	G-2	2	B	0.75	GL	AO	C	PIT	2Y	N/A	STS EM-203	
EMHV8889D	M-12EM01(Q)	G-2	2	B	0.75	GL	AO	C	PIT	2Y	N/A	STS EM-203	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EMHV8923A	M-12EM01(Q)	E-7	2	B	6	GA	MO	O	PIT	2Y	N/A	STS EM-203	
EMHV8923B	M-12EM01(Q)	D-7	2	B	6	GA	MO	O	PIT	2Y	N/A	STS EM-203	
EMHV8924	M-12EM01(Q)	F-8	2	B	6	GA	MO	O	PIT	2Y	N/A	STS EM-203	
EMHV8964	M-12EM01(Q)	H-5	2	A	0.75	GL	AO	C	AT-1 BT-C FST PIT	2Y Q Q 2Y	N/A N/A N/A N/A	STS PE-017 STS EM-201A STS EM-201A STS EM-201A	
EMV0001	M-12EM01(Q)	F-3	1	A/C	2	CK	SA	C	AT-2 CVT-O CVT-C	1.5Y RR 1.5Y	N/A N/A N/A	STS PE-019E STS CV-210 STS PE-019E	4,64,65

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EMV0002	M-12EM01(Q)	E-3	1	A/C	2	CK	SA	C	AT-2	1.5Y	N/A	STS PE-019E	4,64,65
									CVT-O	RR	N/A	STS CV-210	
									CVT-C	1.5Y	N/A	STS PE-019E	
EMV0003	M-12EM01(Q)	D-3	1	A/C	2	CK	SA	C	AT-2	1.5Y	N/A	STS PE-019E	4,64,65
									CVT-O	RR	N/A	STS CV-210	
									CVT-C	1.5Y	N/A	STS PE-019E	
EMV0004	M-12EM01(Q)	C-3	1	A/C	2	CK	SA	C	AT-2	1.5Y	N/A	STS PE-019E	4,64,65
									CVT-O	RR	N/A	STS CV-210	
									CVT-C	1.5Y	N/A	STS PE-019E	
EMV0005	M-12EM01(Q)	A-6	2	C	1.5	CK	SA	C	CVT-O	Q	N/A	STS EM-100A	
EMV0006	M-12EM01(Q)	F-6	2	A/C	1	CK	SA	C	AT-1	2Y	N/A	STS PE-017	
									CVT-C	Q	N/A	STS EM-100A	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EMV0007	M-12EM01(Q)	A-5	2	C	1.5	CK	SA	C	CVT-O	Q	N/A	STS EM-100B	
EMV0019	M-12EM02(Q)	D-6	2	B	1	GL	M	LC	PAS	N/A			
EMV0089	M-12EM01(Q)	F-3	2	B	1.5	ANG	M	LT	PAS	N/A			
EMV0090	M-12EM01(Q)	E-3	2	B	1.5	ANG	M	LT	PAS	N/A			
EMV0091	M-12EM01(Q)	D-3	2	B	1.5	ANG	M	LT	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EMV0092	M-12EM01(Q)	C-3	2	B	1.5	ANG	M	LT	PAS	N/A			
EMV0095	M-12EM01(Q)	C-3	2	B	1.5	ANG	M	LT	PAS	N/A			
EMV0096	M-12EM01(Q)	C-3	2	B	1.5	ANG	M	LT	PAS	N/A			
EMV0097	M-12EM01(Q)	B-3	2	B	1.5	ANG	M	LT	PAS	N/A			
EMV0098	M-12EM01(Q)	B-3	2	B	1.5	ANG	M	LT	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EMV0099	M-12EM01(Q)	F-6	3	B	2	GL	M	LT	PAS	N/A			
EMV0103	M-12EM01(Q)	D-6	3	B	2	GL	M	LT	PAS	N/A			
EMV0107	M-12EM02(Q)	E-3	1	B	1.5	ANG	M	LT	PAS	N/A			
EMV0108	M-12EM02(Q)	G-3	1	B	1.5	ANG	M	LT	PAS	N/A			
EMV0109	M-12EM02(Q)	F-3	1	B	1.5	ANG	M	LT	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EMV0110	M-12EM02 (Q)	D-3	1	B	1.5	ANG	M	LT	PAS	N/A			
EMV0151	M-12EM02 (Q)	B-5	2	B	1	GL	M	LC	PAS	N/A			
EMV0188	M-12EM01 (Q)	D-6	3	N/A	0.75x	RV	SA	C	RVT	10Y	N/A	STS MT-070	
EMV0189	M-12EM01 (Q)	F-6	3	N/A	0.75x	RV	SA	C	RVT	10Y	N/A	STS MT-070	
ENHV0001	M-12EN01 (Q)	G-7	2	B	12	GA	MO	C	BT-O BT-C PIT	CS CS 2Y	N/A N/A N/A	STS EN-206 STS EN-206 STS EN-206	35

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
ENHV0006	M-12EN01(Q)	G-4	2	B	10	GA	MO	C	BT-O	Q	N/A	STS EN-201	
									BT-C	Q	N/A	STS EN-201	
									PIT	2Y	N/A	STS EN-201	
ENHV0007	M-12EN01(Q)	B-7	2	B	12	GA	MO	C	BT-O	CS	N/A	STS EN-206	35
									BT-C	CS	N/A	STS EN-206	
									PIT	2Y	N/A	STS EN-206	
ENHV0012	M-12EN01(Q)	B-4	2	B	10	GA	MO	C	BT-O	Q	N/A	STS EN-201	
									BT-C	Q	N/A	STS EN-201	
									PIT	2Y	N/A	STS EN-201	
ENHV0015	M-12EN01(Q)	E-6	2	B	3	GA	MO	C	BT-O	Q	N/A	STS EN-205	
									BT-C	Q	N/A	STS EN-205	
									PIT	2Y	N/A	STS EN-205	
ENHV0016	M-12EN01(Q)	D-6	2	B	3	GA	MO	C	BT-O	Q	N/A	STS EN-205	
									BT-C	Q	N/A	STS EN-205	
									PIT	2Y	N/A	STS EN-205	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
ENV0002	M-12EN01(Q)	G-7	2	C	12	CK	SA	C	CVT-O	RR	N/A	N/A	70
ENV0003	M-12EN01(Q)	G-7	2	C	12	CK	SA	C	CVT-C CVP-O CVT-O	RR Q RR	N/A N/A N/A	N/A STS EN-100A N/A	1
ENV0004	M-12EN01(Q)	G-5	2	C	10	CK	SA	C	CVP-O CVT-O	Q RR	N/A N/A	STS EN-100A N/A	76
ENV0005	M-12EN01(Q)	F-6	2	B	3	GA	M	LO	PAS	N/A			
ENV0008	M-12EN01(Q)	B-7	2	C	12	CK	SA	C	CVT-O	RR	N/A	N/A	70

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
ENV0009	M-12EN01(Q)	B-7	2	C	12	CK	SA	C	CVT-C CVP-O CVT-O	RR Q RR	N/A N/A N/A	N/A STS EN-100B N/A	1
ENV0010	M-12EN01(Q)	B-5	2	C	10	CK	SA	C	CVP-O CVT-O	Q RR	N/A N/A	STS EN-100B N/A	76
ENV0011	M-12EN01(Q)	B-6	2	B	3	GA	M	LO	PAS	N/A			
ENV0013	M-12EN01(Q)	G-4	2	C	10	CK	SA	C	CVT-O CVT-C	RR RR	N/A N/A	N/A N/A	24
ENV0014	M-12EN01(Q)	G-3	2	B	10	GA	M	LO	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
ENV0017	M-12EN01(Q)	B-4	2	C	10	CK	SA	C	CVT-O CVT-C	RR RR	N/A N/A	N/A N/A	24
ENV0018	M-12EN01(Q)	B-3	2	B	10	GA	M	LO	PAS	N/A			
ENV0024	M-12EN01(Q)	F-4	2	B	4	GA	M	LC	PAS	N/A			
ENV0025	M-12EN01(Q)	C-4	2	B	4	GA	M	LC	PAS	N/A			
ENV0057	M-12EN01(Q)	F-5	2	C	0.75	RV	SA	C	RVT	10Y	N/A	STS MT-070	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
ENV0058	M-12EN01(Q)	F-5	2	C	1x1	RV	SA	C	RVT	10Y	2VR-3	STS MT-070	
ENV0076	M-12EN01(Q)	G-4	2	B	1	GL	M	LC	PAS	N/A			
ENV0080	M-12EN01(Q)	B-4	2	B	1	GL	M	LC	PAS	N/A			
ENV0097	M-12EN01(Q)	D-5	2	B	3	GA	M	LO	PIT	2Y	N/A	STS EN-205	
ENV0098	M-12EN01(Q)	F-6	2	B	3	GA	M	LO	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
ENV0099	M-12EN01(Q)	F-6	2	C	3	CK	SA	C	CVT-O CVT-C	Q Q	N/A N/A	STS EN-100A STS EN-100A	
ENV0100	M-12EN01(Q)	C-6	2	B	3	GA	M	LO	PAS	N/A			
ENV0101	M-12EN01(Q)	C-6	2	C	3	CK	SA	C	CVT-O CVT-C	Q Q	N/A N/A	STS EN-100B STS EN-100B	
ENV0106	M-12EN01(Q)	F-5	2	C	1x1	RV	SA	C	RVT	10Y	2VR-3	STS MT-070	
EP8818A	M-12EP01(Q)	G-3	1	A/C	6	CK	SA	C	AT-2 CVT-O CVT-C	1.5Y CS 1.5Y	N/A N/A N/A	STS PE-019E STS CV-211 STS PE-019E	4,62,63

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EP8818B	M-12EP01(Q)	F-3	1	A/C	6	CK	SA	C	AT-2	1.5Y	N/A	STS PE-019E	4,62,63
									CVT-O	CS	N/A	STS CV-211	
									CVT-C	1.5Y	N/A	STS PE-019E	
EP8818C	M-12EP01(Q)	D-3	1	A/C	6	CK	SA	C	AT-2	1.5Y	N/A	STS PE-019E	4,62,63
									CVT-O	CS	N/A	STS CV-211	
									CVT-C	1.5Y	N/A	STS PE-019E	
EP8818D	M-12EP01(Q)	C-3	1	A/C	6	CK	SA	C	AT-2	1.5Y	N/A	STS PE-019E	4,62,63
									CVT-O	CS	N/A	STS CV-211	
									CVT-C	1.5Y	N/A	STS PE-019E	
EP8855A	M-12EP01(Q)	H-7	2	C	1x2	RV	SA	C	RVT	10Y	N/A	STS MT-070	
EP8855B	M-12EP01(Q)	F-7	2	C	1x2	RV	SA	C	RVT	10Y	N/A	STS MT-070	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EP8855C	M-12EP01(Q)	D-7	2	C	1x2	RV	SA	C	RVT	10Y	N/A	STS MT-070	
EP8855D	M-12EP01(Q)	C-7	2	C	1x2	RV	SA	C	RVT	10Y	N/A	STS MT-070	
EP8857	M-12EP01(Q)	2EP	NC	C	1X2	RV	SA	C	RVT	10Y	N/A	STS MT-070	
EP8956A	M-12EP01(Q)	G-4	1	A/C	10	CK	SA	C	AT-2 CVT-O CVT-C	1.5Y RR 1.5Y	N/A N/A N/A	STS PE-019E STS EP-210 STS PE-019E	4,66,67
EP8956B	M-12EP01(Q)	E-4	1	A/C	10	CK	SA	C	AT-2 CVT-O CVT-C	1.5Y RR 1.5Y	N/A N/A N/A	STS PE-019E STS EP-210 STS PE-019E	4,66,67

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EP8956C	M-12EP01(Q)	C-4	1	A/C	10	CK	SA	C	AT-2	1.5Y	N/A	STS PE-019E	4,66,67
									CVT-O	RR	N/A	STS EP-210	
									CVT-C	1.5Y	N/A	STS PE-019E	
EP8956D	M-12EP01(Q)	B-4	1	A/C	10	CK	SA	C	AT-2	1.5Y	N/A	STS PE-019E	4,66,67
									CVT-O	RR	N/A	STS EP-210	
									CVT-C	1.5Y	N/A	STS PE-019E	
EPHV8808A	M-12EP01(Q)	G-5	2	B	10	GA	MO	O	BT-O	CS	N/A	STS EP-205	29
									BT-C	CS	N/A	STS EP-205	
									PIT	2Y	N/A	STS EP-205	
EPHV8808B	M-12EP01(Q)	E-5	2	B	10	GA	MO	O	BT-O	CS	N/A	STS EP-205	29
									BT-C	CS	N/A	STS EP-205	
									PIT	2Y	N/A	STS EP-205	
EPHV8808C	M-12EP01(Q)	C-5	2	B	10	GA	MO	O	BT-O	CS	N/A	STS EP-205	29
									BT-C	CS	N/A	STS EP-205	
									PIT	2Y	N/A	STS EP-205	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EPHV8808D	M-12EP01 (Q)	B-5	2	B	10	GA	MO	O	BT-O	CS	N/A	STS EP-205	29
									BT-C	CS	N/A	STS EP-205	
									PIT	2Y	N/A	STS EP-205	
EPHV8875A	M-12EP01 (Q)	H-6	2	B	1	GL	AO	C	PIT	2Y		STS EP-207	
EPHV8875B	M-12EP01 (Q)	F-6	2	B	1	GL	AO	C	PIT	2Y		STS EP-207	
EPHV8875C	M-12EP01 (Q)	D-6	2	B	1	GL	AO	C	PIT	2Y		STS EP-207	
EPHV8875D	M-12EP01 (Q)	C-6	2	B	1	GL	AO	C	PIT	2Y		STS EP-207	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EPHV8877A	M-12EP01(Q)	F-4	2	B	0.75	GL	AO	C	PIT	2Y		STS EP-207	
EPHV8877B	M-12EP01(Q)	E-4	2	B	0.75	GL	AO	C	PIT	2Y		STS EP-207	
EPHV8877C	M-12EP01(Q)	C-4	2	B	0.75	GL	AO	C	PIT	2Y		STS EP-207	
EPHV8877D	M-12EP01(Q)	B-4	2	B	0.75	GL	AO	C	PIT	2Y		STS EP-207	
EPHV8878A	M-12EP01(Q)	G-5	2	B	1	GL	AO	C	PIT	2Y		STS EP-207	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EPHV8878B	M-12EP01(Q)	E-5	2	B	1	GL	AO	C	PIT	2Y		STS EP-207	
EPHV8878C	M-12EP01(Q)	D-5	2	B	1	GL	AO	C	PIT	2Y		STS EP-207	
EPHV8878D	M-12EP01(Q)	B-5	2	B	1	GL	AO	C	PIT	2Y		STS EP-207	
EPHV8879A	M-12EP01(Q)	G-4	2	B	0.75	GL	AO	C	PIT	2Y		STS EP-207	
EPHV8879B	M-12EP01(Q)	E-4	2	B	0.75	GL	AO	C	PIT	2Y		STS EP-207	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EPHV8879C	M-12EP01(Q)	D-4	2	B	0.75	GL	AC	C	PIT	2Y		STS EP-207	
EPHV8879D	M-12EP01(Q)	C-2	2	B	0.75	GL	AO	C	PIT	2Y		STS EP-207	
EPHV8880	M-12EP01(Q)	A-4	2	A	1	GL	AO	C	AT-1 BT-C FST PIT	2Y Q Q 2Y	N/A N/A N/A N/A	STS PE-017 STS EP-201 STS EP-201 STS EP-201	
EPHV8900A	M-12EP01(Q)	H-7	2	B	1	GL	SO	C	BT-O BT-C FST PIT	CS CS CS 2Y	N/A N/A N/A N/A	STS EP-206 STS EP-206 STS EP-206 STS EP-206	7,39
EPHV8950B	M-12EP01(Q)	F-8	2	B	1	GL	SO	C	BT-O BT-C FST PIT	CS CS CS 2Y	N/A N/A N/A N/A	STS EP-206 STS EP-206 STS EP-206 STS EP-206	7,39

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EPHV8950C	M-12EP01(Q)	F-7	2	B	1	GL	SO	C	BT-O	CS	N/A	STS EP-206	7,39
									BT-C	CS	N/A	STS EP-206	
									FST	CS	N/A	STS EP-206	
									PIT	2Y	N/A	STS EP-206	
EPHV8950D	M-12E201(Q)	D-8	2	B	1	GL	SO	C	BT-O	CS	N/A	STS EP-206	7,39
									BT-C	CS	N/A	STS EP-206	
									FST	CS	N/A	STS EP-206	
									PIT	2Y	N/A	STS EP-206	
EPHV8950E	M-12EP01(Q)	D-7	2	B	1	GL	SO	C	BT-O	CS	N/A	STS EP-206	7,39
									BT-C	CS	N/A	STS EP-206	
									FST	CS	N/A	STS EP-206	
									PIT	2Y	N/A	STS EP-206	
EPHV8950F	M-12EP01(Q)	C-8	2	B	1	GL	SO	C	BT-O	CS	N/A	STS EP-206	7,39
									BT-C	CS	N/A	STS EP-206	
									FST	CS	N/A	STS EP-206	
									PIT	2Y	N/A	STS EP-206	
EPV0001	M-12EP01(Q)	F-7	2	B	2	GL	M	LC	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COCRD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EPV0010	M-12EP01(Q)	G-3	1	A/C	2	CK	SA	C	AT-2	1.5Y	N/A	STS PE-019E	4,64,65
									CVT-O	RR	N/A	STS CV-210	
									CVT-C	1.5Y	N/A	STS PE-019E	
EPV0011	M-12EP01(Q)	E-7	2	B	2	GL	M	LC	PAS	N/A			
EPV0020	M-12EP01(Q)	F-3	1	A/C	2	CK	SA	C	AT-2	1.5Y	N/A	STS PE-019E	4,64,65
									CVT-O	RR	N/A	STS CV-210	
									CVT-C	1.5Y	N/A	STS PE-019E	
EPV0021	M-12EP01(Q)	C-7	2	B	2	GL	M	LC	PAS	N/A			
EPV0030	M-12EP01(Q)	D-3	1	A/C	2	CK	SA	C	AT-2	1.5Y	N/A	STS PE-019E	4,64,65
									CVT-O	RR	N/A	STS CV-210	
									CVT-C	1.5Y	N/A	STS PE-019E	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
EPV0031	M-12EP01(Q)	B-7	2	B	2	GL	M	LC	PAS	N/A			
EPV0040	M-12EP01(Q)	C-3	1	A/C	2	CK	SA	C	AT-2 CVT-O CVT-C	1.5Y RR 1.5Y	N/A N/A N/A	STS PE-019E STS CV-210 STS PE-019E	4,64,65
EPV0046	M-12EP01(Q)	A-5	2	A/C	1	CK	SA	C	AT-1 CVT-C	2Y Q	N/A N/A	STS PE-017 STS EP-201	
FCHV0312	M-12FC02(Q)	F-5	3	B	4	GA	MO	C	BT-O PIT	Q 2Y	N/A N/A	STS FC-201 STS FC-201	
FCV0001	M-12FC02(Q)	G-6	2	C	4	CK	SA	C	CVT-C CVP-O CVT-O	RR Q CS	N/A N/A N/A	STS MT-061 STS AL-103 STS AL-211	16,25,78

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
FCV0002	M-12FC02 (Q)	G-6	2	C	4	CK	SA	C	CVT-C	RR	N/A	STS MT-061	16,25,78
									CVP-O	Q	N/A	STS AL-103	
									CVT-O	CS	N/A	STS AL-211	
FCV0003	M-12FC02 (Q)	F-6	3	C	4	CK	SA	C	PAS	N/A			
FCV0004	M-12FC02 (Q)	F-7	3	B	4	GA	M	LC	PAS	N/A			
FCV0024	M-12FC02 (Q)	G-6	2	C	4	CK	SA	C	CVT-C	RR	N/A	STS MT-061	16,25,78
									CVP-O	Q	N/A	STS AL-103	
									CVT-O	CS	N/A	STS AL-211	
FCV0025	M-12FC02 (Q)	G-6	2	C	4	CK	SA	C	CVT-C	RR	N/A	STS MT-061	16,25,78
									CVP-O	Q	N/A	STS AL-103	
									CVT-O	CS	N/A	STS AL-211	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
GKPSV0004A	M-12GK01(Q)	2GK	3	C	3/4X1	RV	SA	C	RVT	10Y	N/A	STS MT-070	
GKPSV0004B	M-12GK01(Q)	2GK	3	C	3/4X1	RV	SA	C	RVT	10Y	N/A	STS MT-070	
GKPSV0005A	M-12GK01(Q)	2GK	3	C	3/4X1	RV	SA	C	RVT	10Y	N/A	STS MT-070	
GKPSV0005B	M-12GK01(Q)	2GK	3	C	3/4X1	RV	SA	C	RVT	10Y	N/A	STS MT-070	
GKV0769	M-12GK01(Q)	2GK	3	C	2X3	RV	SA	C	RVT	10Y	N/A	STS MT-070	

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VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
GKV0770	M-12GK01(Q)	2GK	3	C	2X3	RV	SA	C	RVT	10Y	N/A	STS MT-070	
GKV0771	M-12GK01(Q)	2GK	3	C	2X3	RV	SA	C	RVT	10Y	N/A	STS MT-070	
GKV0772	M-12GK01(Q)	2GK	3	C	2X3	RV	SA	C	RVT	10Y	N/A	STS MT-070	
GNV0001	M-12GN01(Q)	E-7	3	B	10	BTF	M	LT	PAS	N/A			
GNV0002	M-12GN01(Q)	D-3	3	B	10	BTF	M	LT	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
GNV0003	M-12GN01(Q)	D-7	3	B	10	BTF	M	LT	PAS	N/A			
GNV0004	M-12GN01(Q)	E-3	3	B	10	BTF	M	LT	PAS	N/A			
GNV0039	M-12GN01(Q)	E-7	3	B	10	GA	M	LO	PAS	N/A			
GNV0040	M-12GN01(Q)	D-3	3	B	10	GA	M	LO	PAS	N/A			
GNV0041	M-12GN01(Q)	D-7	3	B	10	GA	M	LO	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
GNV0042	M-12GN01(Q)	E-3	3	B	10	GA	M	LO	PAS	N/A			
GSHV0003	M-12GS01(Q)	E-6	2	A	1	GA	SO	C	AT-1 BT-O BT-C FST PIT	2Y Q Q Q 2Y	N/A N/A N/A N/A N/A	STS PE-017 STS GS-201B. STS GS-201B STS GS-201B STS GS-202	7
GSHV0004	M-12GS01(Q)	E-6	2	A	1	GA	SO	C	AT-1 BT-O BT-C FST PIT	2Y Q Q Q 2Y	N/A N/A N/A N/A N/A	STS PE-017 STS GS-201B STS GS-201B STS GS-201B STS GS-202	7
GSHV0005	M-12GS01(Q)	D-6	2	A	1	GA	SO	C	AT-1 BT-O BT-C FST PIT	2Y Q Q Q 2Y	N/A N/A N/A N/A N/A	STS PE-017 STS GS-201B STS GS-201B STS GS-201B STS GS-202	7
GSHV0008	M-12GS01(Q)	B-6	2	A	1	GA	SO	C	AT-1 BT-O BT-C FST PIT	2Y Q Q Q 2Y	N/A N/A N/A N/A N/A	STS PE-017 STS GS-201B STS GS-201B STS GS-201B STS GS-202	7

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM FOS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
GSHV0009	M-12GS01(Q)	B-6	2	A	1	GA	SO	C	AT-1	2Y	N/A	STS PE-017	7
									BT-O	Q	N/A	STS GS-201B	
									BT-C	Q	N/A	STS GS-201B	
									FST	Q	N/A	STS GS-201B	
									PIT	2Y	N/A	STS GS-202	
GSHV0012	M-12GS01(Q)	E-4	2	A	1	GA	SO	C	AT-1	2Y	N/A	STS PE-017	7
									BT-O	Q	N/A	STS GS-201A	
									BT-C	Q	N/A	STS GS-201A	
									FST	Q	N/A	STS GS-201A	
									PIT	2Y	N/A	STS GS-202	
GSHV0013	M-12GS01(Q)	E-5	2	A	1	GA	SO	C	AT-1	2Y	N/A	STS PE-017	7
									BT-O	Q	N/A	STS GS-201A	
									BT-C	Q	N/A	STS GS-201A	
									FST	Q	N/A	STS GS-201A	
									PIT	2Y	N/A	STS GS-202	
GSHV0014	M-12GS01(Q)	D-5	2	A	1	GA	SO	C	AT-1	2Y	N/A	STS PE-017	7
									BT-O	Q	N/A	STS GS-201A	
									BT-C	Q	N/A	STS GS-201A	
									FST	Q	N/A	STS GS-201A	
									PIT	2Y	N/A	STS GS-202	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
GSHV0017	M-12GS01 (Q)	B-4	2	A	1	GA	SO	C	AT-1	2Y	N/A	STS PE-017	7
									BT-O	Q	N/A	STS GS-201A	
									BT-C	Q	N/A	STS GS-201A	
									FST	Q	N/A	STS GS-201A	
									PIT	2Y	N/A	STS GS-202	
GSHV0018	M-12GS01 (Q)	B-5	2	A	1	GA	SO	C	AT-1	2Y	N/A	STS PE-017	7
									BT-O	Q	N/A	STS GS-201A	
									BT-C	Q	N/A	STS GS-201A	
									FST	Q	N/A	STS GS-201A	
									PIT	2Y	N/A	STS GS-202	
GSHV0020	M-12GS01 (Q)	F-4	2	A	6	BTF	MO	C	AT-1	2Y	N/A	STS PE-017	
									BT-C	Q	N/A	STS GS-201A	
									PIT	2Y	N/A	STS GS-201A	
GSHV0021	M-12GS01 (Q)	F-4	2	A	6	BTF	MO	C	AT-1	2Y	N/A	STS PE-017	
									BT-C	Q	N/A	STS GS-201B	
									PIT	2Y	N/A	STS GS-201B	
GSHV0030	M-12GS01 (Q)	E-3	2	B	1	GA	SO	C	BT-C	Q	N/A	STS GS-203	
									FST	Q	N/A	STS GS-203	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
GSHV0031	M-12GS01 (Q)	D-4	2	A	1	GA	SO	O	AT-1	2Y	N/A	STS PE-017	7
									BT-C	Q	N/A	STS GS-203	
									FST	Q	N/A	STS GS-203	
									PIT	2Y	N/A	STS GS-202	
GSHV0032	M-12GS01 (Q)	D-3	2	A	1	GA	SO	O	AT-1	2Y	N/A	STS PE-017	7
									BT-C	Q	N/A	STS GS-203	
									FST	Q	N/A	STS GS-203	
									PIT	2Y	N/A	STS GS-202	
GSHV0033	M-12GS01 (Q)	C-4	2	A	1	GA	SO	O	AT-1	2Y	N/A	STS PE-017	7
									BT-C	Q	N/A	STS GS-203	
									FST	Q	N/A	STS GS-203	
									PIT	2Y	N/A	STS GS-202	
GSHV0034	M-12GS01 (Q)	C-4	2	A	1	GA	SO	O	AT-1	2Y	N/A	STS PE-017	7
									BT-C	Q	N/A	STS GS-203	
									FST	Q	N/A	STS GS-203	
									PIT	2Y	N/A	STS GS-202	
GSHV0035	M-12GS01 (Q)	E-8	2	B	1	GA	SO	C	BT-C	Q	N/A	STS GS-203	
									FST	Q	N/A	STS GS-203	
									PIT	2Y	N/A	STS GS-202	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
GSHV0036	M-12GS01(Q)	D-6	2	A	1	GA	SO	O	AT-1	2Y	N/A	STS PE-017	7
									BT-C	Q	N/A	STS GS-203	
									FST	Q	N/A	STS GS-203	
									PIT	2Y	N/A	STS GS-202	
GSHV0037	M-12GS01(Q)	D-7	2	A	1	GA	SO	O	AT-1	2Y	N/A	STS PE-017	7
									BT-C	Q	N/A	STS GS-203	
									FST	Q	N/A	STS GS-203	
									PIT	2Y	N/A	STS GS-202	
GSHV0038	M-12GS01(Q)	C-6	2	A	1	GA	SO	O	AT-1	2Y	N/A	STS PE-017	7
									BT-C	Q	N/A	STS GS-203	
									FST	Q	N/A	STS GS-203	
									PIT	2Y	N/A	STS GS-202	
GSHV0039	M-12GS01(Q)	C-6	2	A	1	GA	SO	O	AT-1	2Y	N/A	STS PE-017	7
									BT-C	Q	N/A	STS GS-203	
									FST	Q	N/A	STS GS-203	
									PIT	2Y	N/A	STS GS-202	
GSV0001	M-12GS01(Q)	E-7	2	B	0.375	GA	M	O	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
GSV0004	M-12GS01(Q)	B-7	2	B	0.375	GA	M	O	PAS	N/A			
GSV0007	M-12GS01(Q)	E-3	2	B	0.375	GA	M	O	PAS	N/A			
GSV0010	M-12GS01(Q)	B-3	2	B	0.375	GA	M	O	PAS	N/A			
GSV0054	M-12GS01(Q)	B-3	2	N/A	0.75	CK	SA	C	CVT-C	Q	N/A	STS GS-203	
GSV0059	M-12GS01(Q)	B-8	2	N/A	0.75	CK	SA	C	CVT-C	Q	N/A	STS GS-203	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
GTHZ0004	M-12GT01(Q)	D-4	2	A	18	BTF	AO	C	AT-1	Q	N/A	STS PE-015	32
									BT-C	Q	N/A	STS GT-201	
									FST	Q	N/A	STS GT-201	
									PIT	2Y	N/A	STS GT-201	
GTHZ0005	M-12GT01(Q)	A-5	2	A	18	BTF	AO	C	AT-1	Q	N/A	STS PE-015	32
									BT-C	Q	N/A	STS GT-201	
									FST	Q	N/A	STS GT-201	
									PIT	2Y	N/A	STS GT-201	
GTHZ0006	M-12GT01(Q)	C-4	2	A	36	BTF	AO	C	AT-1	2Y	N/A	STS PE-017	
									BT-C	Q	N/A	STS GT-205	
									FST	Q	N/A	STS GT-205	
									PIT	2Y	N/A	STS GT-205	
GTHZ0007	M-12GT01(Q)	C-5	2	A	36	BTF	AO	C	AT-1	2Y	N/A	STS PE-017	
									BT-C	Q	N/A	STS GT-205	
									FST	Q	N/A	STS GT-205	
									PIT	2Y	N/A	STS GT-205	
GTHZ0008	M-12GT01(Q)	C-6	2	A	36	BTF	AO	C	AT-1	2Y	N/A	STS PE-017	
									BT-C	Q	N/A	STS GT-205	
									FST	Q	N/A	STS GT-205	
									PIT	2Y	N/A	STS GT-205	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
GTHZ0009	M-12GT01 (Q)	C-7	2	A	36	BTF	AO	C	AT-1	2Y	N/A	STS PE-017	
									BT-C	Q	N/A	STS GT-205	
									FST	Q	N/A	STS GT-205	
									PIT	2Y	N/A	STS GT-205	
GTHZ0011	M-12GT01 (Q)	A-6	2	A	18	BTF	AO	C	AT-1	Q	N/A	STS PE-015	32
									BT-C	Q	N/A	STS GT-201	
									FST	Q	N/A	STS GT-201	
									PIT	2Y	N/A	STS GT-201	
GTHZ0012	M-12GT01 (Q)	A-7	2	A	18	BTF	AO	C	AT-1	Q	N/A	STS PE-015	32
									BT-C	Q	N/A	STS GT-201	
									FST	Q	N/A	STS GT-201	
									PIT	2Y	N/A	STS GT-201	
HBHV7126	M-12HB01 (Q)	H-7	2	A	0.75	DIA	AO	O	AT-1	2Y	N/A	STS PE-017	
									BT-C	Q	N/A	STS HB-201	
									FST	Q	N/A	STS HB-201	
									PIT	2Y	N/A	STS HB-201	
HBHV7136	M-12HB01 (Q)	F-3	2	A	3	DIA	AO	O	AT-1	2Y	N/A	STS PE-017	
									BT-C	Q	N/A	STS HB-201	
									FST	Q	N/A	STS HB-201	
									PIT	2Y	N/A	STS HB-201	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
HBHV7150	M-12HB01(Q)	H-6	2	A	0.75	DIA	AO	O	AT-1	2Y	N/A	STS PE-017	
									BT-C	Q	N/A	STS HB-201	
									FST	Q	N/A	STS HB-201	
									PIT	2Y	N/A	STS HB-201	
HBHV7176	M-12HB01(Q)	E-3	2	A	3	DIA	AO	O	AT-1	2Y	N/A	STS PE-017	
									BT-C	Q	N/A	STS HB-201	
									FST	Q	N/A	STS HB-201	
									PIT	2Y	N/A	STS HB-201	
HBV0036	M-12HB01(Q)	2HB	3	C	3/4X1	RV	SA	C					
HDV0016	M-12HD01(Q)	B-7	2	A	2	GL	M	LC	AT-1	2Y	N/A	STS PE-017	
HDV0017	M-12HD01(Q)	B-7	2	A	2	GL	M	LC	AT-1	2Y	N/A	STS PE-017	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
JEV0001	M-12JE01 (Q)	G-6	3	B	2	GA	M	LC	PAS	N/A			
JEV0002	M-12JE01 (Q)	C-6	3	B	2	GA	M	LC	PAS	N/A			
JEV0007	M-12JE01 (Q)	H-6	3	B	2	GA	M	LC	PAS	N/A			
JEV0008	M-12JE01 (Q)	D-6	3	B	2	GA	M	LC	PAS	N/A			
JEV0011	M-12JE01 (Q)	H-6	3	B	2	GA	M	LO	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
JEV0012	M-12JE01(Q)	D-6	3	B	2	GA	M	LO	PAS	N/A			
JEV0015	M-12JE01(Q)	H-5	3	B	2	GA	M	LO	PAS	N/A			
JEV0016	M-12JE01(Q)	D-5	3	B	2	GA	M	LO	PAS	N/A			
JEV0033	M-12JE01(Q)	F-5	3	B	0.75	GA	M	LC	PAS	N/A			
JEV0034	M-12JE01(Q)	C-5	3	B	0.75	GA	M	LC	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
JEV0059	M-12JE01(Q)	H-6	3	B	2	GA	M	LO	PAS	N/A			
JEV0060	M-12JE01(Q)	D-6	3	B	2	GA	M	LO	PAS	N/A			
JEV0061	M-12JE01(Q)	H-5	3	B	2	GA	M	LO	PAS	N/A			
JEV0062	M-12JE01(Q)	D-5	3	B	2	GA	M	LO	PAS	N/A			
JEV0069	M-12JE01(Q)	F-4	3	B	2	GA	M	LO	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
JEV0070	M-12JE01(Q)	C-4	3	B	2	GA	M	LO	PAS	N/A			
JEV0075	M-12JE01(Q)	G-6	3	B	2	GA	M	LO	PAS	N/A			
JEV0076	M-12JE01(Q)	D-6	3	B	2	GA	M	LO	PAS	N/A			
JEV0085	M-12JE01(Q)	H-5	3	C	2	CK	SA	C	CVT-O	Q	N/A	STS JE-100A	
JEV0086	M-12JE01(Q)	D-5	3	C	2	CK	SA	C	CVT-O	Q	N/A	STS JE-100B	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
KAFV0029	M-12KA01 (Q)	D-2	2	A	2	GL	AO	O	AT-1	2Y	N/A	STS PE-017	40
									BT-C	CS	N/A	STS KA-205	
									FST	CS	N/A	STS KA-205	
									PIT	2Y	N/A	STS KA-205	
KAV0039	M-12KA02 (Q)	C-6	2	A/C	4	CK	SA	C	AT-1	2Y	N/A	STS PE-017	
KAV0118	M-12KA02 (Q)	D-6	2	A	4	GL	M	LC	AT-1	2Y	N/A	STS PE-017	
KAV0204	M-12KA01 (Q)	C-2	2	A	1.5	CK	SA	O	AT-1	2Y	N/A	STS PE-017	40
									CVT-C	CS	N/A	STS PE-017	
KAV0635	M-12KA05 (Q)	G-7	3	B	0.75	GA	M	O	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
KAV0637	M-12KA05(Q)	F-7	3	B	0.75	GA	M	O	PAS	N/A			
KAV0639	M-12KA05(Q)	D-7	3	B	0.75	GA	M	O	PAS	N/A			
KAV0641	M-12KA05(Q)	B-7	3	B	0.75	GA	M	O	PAS	N/A			
KAV0648	M-12KA05(Q)	G-6	3	A/C	0.75	CK	SA	C	AT-3 CVT-C	2Y Q	N/A N/A	STS KA-010 STS KA-010	
KAV0649	M-12KA05(Q)	F-5	3	A/C	0.75	CK	SA	C	AT-3 CVT-C	2Y Q	N/A N/A	STS KA-010 STS KA-010	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
KAV0650	M-12KA05 (Q)	D-6	3	A/C	0.75	CK	SA	C	AT-3 CVT-C	2Y Q	N/A N/A	STS KA-010 STS KA-010	
KAV0651	M-12KA05 (Q)	B-5	3	A/C	0.75	CK	SA	C	AT-3 CVT-C	2Y Q	N/A N/A	STS KA-010 STS KA-010	
KAV0662	M-12KA05 (Q)	G-8	3	B	0.75	GA	M	O	PAS	N/A			
KAV0663	M-12KA05 (Q)	F-7	3	B	0.75	GA	M	O	PAS	N/A			
KAV0664	M-12KA05 (Q)	D-8	3	B	0.75	GA	M	O	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
KAV0665	M-12KA05(Q)	B-7	3	B	0.75	GA	M	O	PAS	N/A			
KAV0703	M-12KA05(Q)	H-7	3	C	0.75x	RV	SA	C	RVT	10Y	N/A	STS MT-070	
KAV0704	M-12KA05(Q)	F-6	3	C	0.75x	RV	SA	C	RVT	10Y	N/A	STS MT-070	
KAV0705	M-12KA05(Q)	D-7	3	C	0.75x	RV	SA	C	RVT	10Y	N/A	STS MT-070	
KAV0706	M-12KA05(Q)	C-6	3	C	0.75x	RV	SA	C	RVT	10Y	N/A	STS MT-070	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
KAV0710	M-12KA05(Q)	H-8	3	C	0.75x	RV	SA	C	RVT	5Y	N/A	STS MT-069	
KAV0711	M-12KA05(Q)	F-7	3	C	0.75x	RV	SA	C	RVT	10Y	N/A	STS MT-070	
KAV0712	M-12KA05(Q)	D-8	3	C	0.75x	RV	SA	C	RVT	10Y	N/A	STS MT-070	
KAV0713	M-12KA05(Q)	B-7	3	C	0.75x	RV	SA	C	RVT	10Y	N/A	STS MT-070	
KAV1364	M-12KA05(Q)	G-8	3	B	0.75	GL	M	LO	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
KAV1365	M-12KA05(Q)	B-7	3	B	0.75	GL	M	LO	PAS	N/A			
KAV1366	M-12KA05(Q)	E-7	3	B	0.75	GL	M	LO	PAS	N/A			
KAV1367	M-12KA05(Q)	C-8	3	B	0.75	GL	M	LO	PAS	N/A			
KBV0001	M-12KB01(Q)	E-6	2	A	2	GL	M	LC	AT-1	2Y	N/A	STS PE-017	
KBV0002	M-12KB01(Q)	E-6	2	A	2	GL	M	LC	AT-1	2Y	N/A	STS PE-017	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
KCHV0253	M-12KC02 (Q)	B-6	2	A	4	GA	MO	C	AT-1	2Y	N/A	STS PE-017	
									BT-C	Q	N/A	STS KC-201	
									PIT	2Y	N/A	STS KC-201	
KCV0478	M-12KC02 (Q)	B-6	2	A/C	4	CK	SA	C	AT-1	2Y	N/A	STS PE-017	
KJHV0001	M-12KJ01 (Q)	A-6	3	B	1	GA	MO	O	PAS	N/A			
KJHV0002	M-12KJ03 (Q)	A-6	3	B	1	GA	MO	O	PAS	N/A			
KJHV0101	M-12KJ04 (Q)	A-6	3	B	1	GA	MO	O	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
KJHV0102	M-12KJ06 (Q)	A-6	3	B	1	GA	MO	O	PAS	N/A			
KJPV0001A	M-12KJ02 (Q)	F-3	3	B	0.375	TWY	SO	C	BT-O	Q	2VR-1	STS KJ-005A	37
KJPV0001B	M-12KJ02 (Q)	F-3	3	B	0.375	TWY	SO	C	BT-O	Q	2VR-1	STS KJ-005A	37
KJPV0101A	M-12KJ05 (Q)	F-3	3	B	0.375	TWY	SO	C	BT-O	Q	2VR-1	STS KJ-005B	37
KJPV0101B	M-12KJ05 (Q)	F-3	3	B	0.375	TWY	SO	C	BT-O	Q	2VR-1	STS KJ-005B	37

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
KJV0711A	M-12KJ02 (Q)	B-2	3	A/C	0.75	CK	SA	C	AT-4 CVT-C	2Y Q	N/A N/A	STS KJ-002A STS KJ-002A	
KJV0711B	M-12KJ05 (Q)	B-2	3	A/C	0.75	CK	SA	C	AT-4 CVT-C	2Y Q	N/A N/A	STS KJ-002B STS KJ-002B	
KJV0712A	M-12KJ02 (Q)	D-5	3	A/C	0.75	CK	SA	C	AT-4 CVT-C	2Y Q	N/A N/A	STS KJ-002A STS KJ-002A	
KJV0712B	M-12KJ05 (Q)	D-5	3	A/C	0.75	CK	SA	C	AT-4 CVT-C	2Y Q	N/A N/A	STS KJ-002B STS KJ-002B	
KJV0716A	M-12KJ02 (Q)	C-2	3	N/A	0.75x	RV	SA	C	RVT	10Y	N/A	STS MT-070	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
KJV0716B	M-12KJ05 (Q)	C-2	3	N/A	0.75x	RV	SA	C	RVT	10Y	N/A	STS MT-070	
KJV0717A	M-12KJ02 (Q)	C-4	3	N/A	0.75x	RV	SA	C	RVT	10Y	N/A	STS MT-070	
KJV0717B	M-12KJ05 (Q)	C-4	3	N/A	0.75x	RV	SA	C	RVT	10Y	N/A	STS MT-070	
KJV0724A	M-12KJ02 (Q)	C-2	3	B	2	PL	M	LO	PAS	N/A			
KJV0724B	M-12KJ05 (Q)	C-2	3	B	2	PL	M	LO	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
KJV0725A	M-12KJ02(Q)	C-3	3	B	2	PL	M	LO	PAS	N/A			
KJV0725B	M-12KJ05(Q)	C-3	3	B	2	PL	M	LO	PAS	N/A			
KJV0726A	M-12KJ02(Q)	D-2	3	B	2	PL	M	LO	PAS	N/A			
KJV0726B	M-12KJ05(Q)	D-2	3	B	2	PL	M	LO	PAS	N/A			
KJV0727A	M-12KJ02(Q)	D-3	3	B	2	PL	M	LO	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
KJV0727B	M-12KJ05 (Q)	D-3	3	B	2	PL	M	LO	PAS	N/A			
KJV0757A	M-12KJ02 (Q)	G-2	3	C	1.5	CK	SA	C	CVT-O	Q	N/A	STS KJ-005A	37
KJV0757B	M-12KJ05 (Q)	G-2	3	C	1.5	CK	SA	C	CVT-O	Q	N/A	STS KJ-005B	37
KJV0760A	M-12KJ02 (Q)	D-3	3	B	2	PL	M	LC	PAS	N/A			
KJV0760B	M-12KJ05 (Q)	D-3	3	B	2	PL	M	LC	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
KJV0771A	M-12KJ01 (Q)	G-3	3	N/A		RV	SA	C	RVT	10Y	N/A	STS MT-070	
KJV0771B	M-12KJ04 (Q)	G-3	3	N/A		RV	SA	C	RVT	10Y	N/A	STS MT-070	
KJV0774A	M-12KJ01 (Q)	F-4	3	B	1.5	PL	M	LO	PAS	N/A			
KJV0774B	M-12KJ04 (Q)	F-4	3	B	1.5	PL	M	LO	PAS	N/A			
KJV0779A	M-12KJ01 (Q)	F-6	3	C	5	CK	SA	C	CVT-O	Q	N/A	STS KJ-005A	37

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
KJV0779B	M-12KJ04 (Q)	F-6	3	C	5	CK	SA	C	CVT-O	Q	N/A	STS KJ-005B	37
KJV0785A	M-12KJ01 (Q)	D-4	3	B	1.5	PL	M	LO	PAS	N/A			
KJV0785B	M-12KJ04 (Q)	D-4	3	B	1.5	PL	M	LO	PAS	N/A			
KJV0792A	M-12KJ01 (Q)	D-6	3	B	0.75	PL	M	LO	PAS	N/A			
KJV0792B	M-12KJ04 (Q)	D-6	3	B	0.75	PL	M	LO	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
KJV0794A	M-12KJ01 (Q)	D-7	3	B	0.75	PL	M	LO	PAS	N/A			
KJV0794B	M-12KJ04 (Q)	D-7	3	B	0.75	PL	M	LO	PAS	N/A			
KJV0795A	M-12KJ01 (Q)	D-7	3	B	0.75	PL	M	LO	PAS	N/A			
KJV0795B	M-12KJ04 (Q)	D-7	3	B	0.75	PL	M	LO	PAS	N/A			
KJV0796A	M-12KJ03 (Q)	E-6	3	B	1	GA	M	LO	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
KJV0796B	M-12KJ06 (Q)	E-6	3	B	1	GA	M	LO	PAS	N/A			
KJV0808A	M-12KJ03 (Q)	C-5	3	B	3	PL	M	LO	PAS	N/A			
KJV0808B	M-12KJ06 (Q)	C-5	3	B	3	PL	M	LO	PAS	N/A			
KJV0809A	M-12KJ03 (Q)	C-4	3	B	3	PL	M	LO	PAS	N/A			
KJV0809B	M-12KJ06 (Q)	C-4	3	B	3	PL	M	LO	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
KJV0812A	M-12KJ03(Q)	E-7	3	B		PL	M	LO	PAS	N/A			
KJV0812B	M-12KJ06(Q)	E-7	3	B		PL	M	LO	PAS	N/A			
KJV0815A	M-12KJ03(Q)	B-8	3	C		CK	SA	C	CVT-C	Q	N/A	STS KJ-005A	37
KJV0815B	M-12KJ06(Q)	B-8	3	C		CK	SA	C	CVT-C	Q	N/A	STS KJ-005B	37
KJV0816A	M-12KJ03(Q)	C-8	3	C		CK	SA	C	CVT-O	Q	N/A	STS KJ-005A	37

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
KJV0816B	M-12KJ06 (Q)	C-8	3	C		CK	SA	C	CVT-O	Q	N/A	STS KJ-005B	37
KJV0817A	M-12KJ03 (Q)	C-3	3	B	2	PL	M	LO	PAS	N/A			
KJV0817B	M-12KJ06 (Q)	C-3	3	B	2	PL	M	LO	PAS	N/A			
KJV0818A	M-12KJ03 (Q)	C-3	3	C	2	CK	SA	O	CVT-C	Q	N/A	STS KJ-005A	37
KJV0818B	M-12KJ06 (Q)	C-3	3	C	2	CK	SA	O	CVT-C	Q	N/A	STS KJ-005B	37

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&JD COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
KJV0828A	M-12KJ03 (Q)	D-3	3	B	2	PL	M	LO	PAS	N/A			
KJV0828B	M-12KJ06 (Q)	D-3	3	B	2	PL	M	LO	PAS	N/A			
LFFV0095	M-12LF09 (Q)	F-2	2	A	6	GA	MO	O	AT-1 BT-C PIT	2Y Q 2Y	N/A N/A N/A	STS PE-017 STS LF-201 STS LF-201	
LFFV0096	M-12LF09 (Q)	F-1	2	A	6	GA	AO	C	AT-1 BT-C FST PIT	2Y Q Q 2Y	N/A N/A N/A N/A	STS PE-017 STS LF-201 STS LF-201 STS LF-201	
LFHV0105	M-12LF03 (Q)	C-5	3	B	6	GA	MO	O	BT-C PIT	Q 2Y	N/A N/A	STS LF-201 STS LF-201	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
LFHV0106	M-12LF03 (Q)	C-4	3	B	6	GA	MO	O	BT-C	Q	N/A	STS LF-201	
									PIT	2Y	N/A	STS LF-201	
SJHV0003	M-12SJ04 (Q)	F-7	2	N/A	1	GL	SO	C	PAS	N/A			
SJHV0004	M-12SJ04 (Q)	H-7	2	N/A	1	GL	SO	C	PAS	N/A			
SJHV0005	M-12SJ04 (Q)	F-7	2	A	1	GL	SO	O	AT-1	2Y	N/A	STS PE-017	23
									BT-C	Q	N/A	STS SJ-201	
									FST	Q	N/A	STS SJ-201	
									PIT	2Y	N/A	STS SJ-206	
SJHV0006	M-12SJ04 (Q)	G-6	2	A	1	GL	SO	O	AT-1	2Y	N/A	STS PE-017	23
									BT-C	Q	N/A	STS SJ-201	
									FST	Q	N/A	STS SJ-201	
									PIT	2Y	N/A	STS SJ-206	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
SJHV0012	M-12SJ01(Q)	F-7	2	A	1	GL	SO	C	AT-1	2Y	N/A	STS PE-017	23
									BT-C	Q	N/A	STS SJ-201	
									FST	Q	N/A	STS SJ-201	
									PIT	2Y	N/A	STS SJ-206	
SJHV0013	M-12SJ01(Q)	E-7	2	A	1	GL	SO	C	AT-1	2Y	N/A	STS PE-017	23
									BT-C	Q	N/A	STS SJ-201	
									FST	Q	N/A	STS SJ-201	
									PIT	2Y	N/A	STS SJ-206	
SJHV0018	M-12SJ01(Q)	F-3	2	A	1	GL	SO	C	AT-1	2Y	N/A	STS PE-017	23
									BT-C	Q	N/A	STS SJ-201	
									FST	Q	N/A	STS SJ-201	
									PIT	2Y	N/A	STS SJ-206	
SJHV0019	M-12SJ01(Q)	E-3	2	A	1	GL	SO	C	AT-1	2Y	N/A	STS PE-017	23
									BT-C	Q	N/A	STS SJ-201	
									FST	Q	N/A	STS SJ-201	
									PIT	2Y	N/A	STS SJ-206	
SJHV0020	M-12SJ04(Q)	G-7	2	N/A	1	GL	SO	C	PAS	N/A			

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
SJHV0127	M-12SJ04 (Q)	F-6	2	A	1	GL	SO	C	AT-1	2Y	N/A	STS PE-017	23
									BT-C	Q	N/A	STS SJ-201	
									FST	Q	N/A	STS SJ-201	
									PIT	2Y	N/A	STS SJ-206	
SJHV0128	M-12SJ04 (Q)	H-6	2	A	1	GL	SO	c	AT-1	2Y	N/A	STS PE-017	23
									BT-C	Q	N/A	STS SJ-201	
									FST	Q	N/A	STS SJ-201	
									PIT	2Y	N/A	STS SJ-206	
SJHV0129	M-12SJ04 (Q)	H-5	2	A	1	GL	SO	c	AT-1	2Y	N/A	STS PE-017	23
									BT-C	Q	N/A	STS SJ-201	
									FST	Q	N/A	STS SJ-201	
									PIT	2Y	N/A	STS SJ-206	
SJHV0130	M-12SJ04 (Q)	G-5	2	A	1	GL	SO	C	AT-1	2Y	N/A	STS PE-017	23
									BT-C	Q	N/A	STS SJ-201	
									FST	Q	N/A	STS SJ-201	
									PIT	2Y	N/A	STS SJ-206	
SJHV0131	M-12SJ04 (Q)	B-6	2	A	1	GL	SO	C	AT-1	2Y	N/A	STS PE-017	23
									BT-C	Q	N/A	STS SJ-201	
									FST	Q	N/A	STS SJ-201	
									PIT	2Y	N/A	STS SJ-206	

WOLF CREEK NUCLEAR OPERATING CORPORATION
INSERVICE VALVE TESTING PROGRAM

VALVE NUMBER	P&ID NUMBER	P&ID COORD	ISI CLASS	ISI CAT	VALVE SIZE	VALVE TYPE	ACT TYPE	NORM POS	TEST RQMT	TEST FREQ	RELIEF REQUEST	TEST PROCEDURE	NOTES
SJHV0132	M-12SJ04(Q)	A-6	2	A	1	GL	SO	C	AT-1	2Y	N/A	STS PE-017	23
									BT-C	Q	N/A	STS SJ-201	
									FST	Q	N/A	STS SJ-201	
									PIT	2Y	N/A	STS SJ-206	
SJV0111	M-12SJ04(Q)	A-7	2	A/C	1	CK	SA	C	AT-1	2Y	N/A	STS PE-017	

NOTES

1. Sample Disassembly Examination ENV0003/9: Open function - provides suction to Containment Spray Pump from the RWST on initiation of Containment Spray when in the injection mode following a LOCA or MSLB inside containment. Close function - Prevents highly contaminated water from the Containment Recirc Sump from returning to the RWST after shifting to the Recirc Mode following a LOCA. These are identical valves on opposite trains. These check valves are partial flow tested quarterly and one valve each will be disassembled, inspected, and manually full stroked during each refueling outage in accordance with ASME OMc Code-1994 Subsection ISTC 4.5.4.
2. Test Deferral: Closure of the main steam isolation valves during unit operation could result in reactor trip and safety injection actuation which would introduce a severe transient in the main steam lines which is unacceptable from an operational viewpoint. Testing by isolating each main steam header is also possible but would cause a power reduction which is also unacceptable from an operational viewpoint. These valves will be partially stroked quarterly and full-stroke tested during cold shutdown.
3. Not used.
4. The required ASME Section XI test frequency is every two years. These valves are leak rate tested once per 18 months to satisfy Technical Specification 4.4.6.2.2.
5. Test Deferral: During NORMAL operation, exercising these valves would be impractical. CLOSING these valves during operation would isolate feedwater to the steam generators which could result in a severe transient, possibly causing a unit trip. Valves FV-39, 40, 41 and 42 will be partial stroke tested during NORMAL operation while the remaining full stroke testing on all the valves pertaining to this NOTE will be performed during cold shutdown.
6. Test Deferral: Exercising these valves during NORMAL operation would introduce cold auxiliary feedwater into the steam generators and therefore would cause an unnecessary thermal shock to the auxiliary feed nozzles. Valve testing will be done during cold shutdown.
7. These are solenoid valves of a hermetically enclosed, seal welded design, with internally mounted reed switches for position indication. Visual verification of valve position is not possible unless the valve is removed from service and disassembled. Valve position will be verified by observation of level or pressure changes in an associated tank or pressure changes in the associated piping.

NOTES

(Continued)

8. Test Deferral: These valves have an interlock which prevents their opening when reactor coolant system pressure is above 360 psig. Valve testing will be performed during cold shutdown.
9. This valve is passive since it is in series with a NORMALLY CLOSED, Air Operated Valve (BG HV-8145) and does not have to change positions to perform a safety-related function (flow through the check valve is blocked). Per the guidance of NUREG 1482 section 4.1 paragraph 1, check valve flow is blocked by any condition precluding flow through the system.
10. Test Deferral: The power-operated relief valves have a history of failures and should not be challenged at power. Valve testing will be performed during cold shutdown.
11. Test Deferral: Failure of these valves in the CLOSED position during NORMAL operation would inhibit flow to the reactor coolant pump thermal barriers. This is not desirable during pump operation. Valve testing will be performed during cold shutdown.
12. Test Deferral: Failure of these valves in the CLOSED position during NORMAL operation would inhibit flow to the reactor coolant pump seals which could damage the reactor coolant pump seals. Valve testing will be performed during cold shutdown.
13. Test Deferral: Stroking these valves during NORMAL operation is impractical. Exercising these valves would allow discharge of uncontrolled radiological releases since the system is vented to containment atmosphere. Also, exercising the "inside" valve at power tends to burp the system, which could possibly unseat the CLOSED valve. This would limit maintenance activity if problems occur with the valves. Furthermore, failure of any one of these valves in the OPEN direction would reduce the system to single-valve-protection between RCS and containment atmosphere. Failure would also put the reactor in a small break LOCA situation. Valve testing will be performed during cold shutdown.
14. Test Deferral: Failure of one of these valves in the CLOSED position during normal operation would result in a loss of seal water flow to the reactor coolant pumps and could cause pump seal damage. Valve testing will be performed during cold shutdown.

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15. Test Deferral: Failure of one of these valves in the CLOSED position during NORMAL operation would result in loss of pressurizer level control and may cause plant shutdown. Valve testing will be performed during cold shutdown.
16. Test Deferral: Full stroke exercising these valves requires full flow from the turbine driven aux. Feedwater pump. Obtaining full flow with this pump during NORMAL operations would cause thermal shocking of the steam generator feedwater nozzles due to the injection of cold water. This is highly undesirable. The valves will be partial stroked quarterly and full stroked during cold shutdowns.
17. Test Deferral: CLOSURE of one of these valves during NORMAL operation would isolate charging flow to the reactor coolant system which could result in loss of pressurizer level control and cause plant shutdown. Valve testing will be performed during cold shutdown.
18. Test Deferral: The NORMAL charging pumps' suction would be isolated upon closure of one of these valves during normal operation. Alternate suction flow paths (e.g. Aligned with the refueling water storage tank) would cause a sudden increase in reactor coolant system boron inventory, thereby a plant transient. Also, seal water injection to the reactor coolant pumps would be inhibited which could result in damage to the seals. Valve testing will be performed during cold shutdown.
19. Test Deferral: Testing this valve during NORMAL operation would introduce boric acid to the primary side causing unwanted negative reactivity addition. Valve testing will be performed during cold shutdown.
20. Test Deferral: CLOSURE or failure of either EJ HV-8716A or B would render both trains of the RHR system inoperable and would require plant shutdown. The valves will be full stroke exercised during cold shutdowns.
21. Test Deferral: Failure of this valve in the CLOSED Position during NORMAL Operation could render both safety injection pumps inoperable by isolating the miniflow recirculation path for both pumps. Valve testing will be performed during cold shutdown.
22. Test Deferral: Failure of these valves in the OPEN position during NORMAL operation could result in introduction of borated water into the reactor coolant system, which could possibly cause plant shutdown. Valve testing will be performed during cold shutdown.

NOTES

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23. These are solenoid valves of a hermetically enclosed, seal welded design with internally mounted reed switches for position indication. Visual verification of valve position is not possible unless the valve is removed from service and disassembled. Valve position will be verified by observation of flow.
24. Sample Disassembly Examination ENV00013/17: Open function - Allows discharge from containment spray to flow to spray headers to mitigate the consequences of a LOCA, MSLB, or HELB inside containment. Close function - Containment isolation valve. Maintains containment integrity in the event of a containment spray failure. These are identical valves on opposite trains. One valve each outage will be disassembled, inspected, and manually full stroked during each refueling outage in accordance with ASME OMC Code-1994 Subsection ISTC 4.5.4.
25. Sample Disassembly Examination FCV0001/2/24/25. Open function - Provides driving steam to the turbine of turbine driven aux feedwater pump from steam generator for normal and emergency cool down of the RCS. Close function - Prevents diversion of steam from turbine driven aux feedwater pump in the event of a main steam line failure. Reference PIR 95-0384, these are identical pairs of valves on opposite trains. One valve each outage will be disassembled, inspected, and manually full stroked during each refueling outage in accordance with ASME OMC Code-1994 Subsection ISTC 4.5.4.
26. Not used.
27. Test Deferral: EJ HV-8804A and B have control interlocks with BN-8813 which is required per technical specifications to remain OPEN during power operations. CLOSING this valve would render both ECCS trains inoperable and would require initiation of shutdown. These valves will be exercised during cold shutdowns.
28. Test Deferral: These valves have their power removed during NORMAL operation so that the ECCS flowpath can be maintained operable per technical specifications. Valve testing will be performed during cold shutdown.
29. Test Deferral: These valves are locked open with power removed during NORMAL operation with RCS Pressure above 1000 PSIG as required by technical specifications. Valve Testing will be performed during cold shutdown.

NOTES

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30. Test Deferral: Failure of this valve in the CLOSED position during NORMAL operation could inhibit a portion of the emergency core cooling system. CLOSING EM HV-8835 would render both safety injection trains inoperable. This valve is required to remain OPEN, with power removed from the operator, per plant Technical Specifications 3/4.5.2. Exercising the valve would violate Technical Specifications 3/4.5.2. Valve testing will be performed during cold shutdown.
 31. Test Deferral: Exercising of these valves during NORMAL operation would result in interruption of component cooling water flow to the reactor coolant pump's thermal barrier cooling coil. Valve testing will be performed during cold shutdown.
 32. The required ASME Section XI Test Frequency is every 2 years. Valves GT HZ-4, HZ-5, HZ-11 and HZ-12 are leak tested quarterly to satisfy Technical Specification 4.6.1.7.4.
 33. Test Deferral: A full stroke exercise of these valves during normal operations is not possible since these valves cannot open against RCS pressure. The flowpath back to the RWST would require opening BN-8717. Opening this valve and throttling a RHR pump discharge valve would make both trains of the RHR system inoperable since the RHR system could not provide adequate emergency core cooling flow upon initiation of a safety injection signal. Valves will be partial stroked quarterly and full stroke exercised during cold shutdowns.
 34. Test Deferral: Testing of these valves during normal operation is impractical. Opening the valves during normal operation would drain the RHR suction header into the containment sump rendering the associated RHR Train inoperable. Failure of either EJ HV-8811A or B in the open position would violate Technical Specifications which would require initiation of plant shutdown. Furthermore, access to these valves is limited due to the valves being located inside an encapsulation tank. Maintenance on these valves would require the plant go to cold shutdown. The additional risks encountered to perform testing do not justify the small amount of added assurance gained by the testing. Valve testing will be performed during cold shutdown.
 35. Test Deferral: Valves will be open tested during cold shutdowns. OPENING valve during operation would run the risk of draining the containment spray pumps suction headers into the containment sump which could cause severe damage to the pumps and render them inoperable. The RWST must be isolated to prevent flooding containment should the single check valve not hold when these valves are stroked open. The additional risks encountered to perform testing do not justify the small amount of added assurance gained by the

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- testing.
36. Not Used.
37. The required ASME Section XI test frequency is quarterly. The applicable valves are tested during the Manual/Auto Start, Synchronization and Loading Testing of the Emergency Diesel Generators, which are performed monthly.
38. Not used.
39. Test Deferral: Valve testing during NORMAL operation is impractical. Failure of these valves in the OPEN position would represent a major loss of safety equipment which would force the plant into shutdown. There is no MANUAL back-up valve for these valves and if the valve failed OPEN it would render the associated accumulator inoperable which would put the plant into a one hour action statement. The Technical Specification may not allow adequate time to test and restore an accumulator Testing will be performed during cold shutdown.
40. Test Deferral: KAV0204/KAFV0029. Failure of either valve in the CLOSED position or exercising either valve, during NORMAL plant operation, would interrupt the supply of instrument air to valves and equipment necessary for system control and operation. Interruption of air supply would cause loss of NORMAL letdown capability, loss of pressurizer pressure and level control, loss of spray control capability and NORMAL charging capability, which could result in reactor trip, safety injection initiation, over-pressurization of the RCS, thermal shock of RCS piping, plant transients and consequently plant shutdown. Testing will be performed during cold shutdown.
41. Not used.
42. Not used.
43. Not used.
44. Not used.
45. Not used. Refer to note 62.
46. These valves are included in the WCGS IST Program as a response to NRC Violation 8827-04.

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47. Not used.
48. Not used.
49. Not Used.
50. Test Deferral: Exercising these valves during power operation cannot be done due to thermal transients induced on the auxiliary charging nozzle and on the auxiliary charging piping during switchover from NORMAL to alternate charging. Valve testing will be performed during cold shutdown.
51. Not used.
52. Not used.
53. Not used.
54. Test Deferral: BG-8481A/B. These valves will be partial stroke exercised quarterly and full stroke exercised during refueling outages. Full stroke exercising during normal operation would require injecting borated water into the RCS which could cause a power transient. Furthermore, full flow exercising of these valves cannot be performed during power operations or cold shutdown due to the existence of insufficient volume expansion to accommodate the flow required for testing. Full stroke exercising during cold shutdown could cause cold over-pressurization of the RCS. Full flow testing of these valves requires reactor head removal.
55. Test Deferral: BG-8481A/B. These valves will be close tested during cold shutdowns. Testing of these valves requires cross tying both trains of charging. This is not allowed per Technical Specification 3.5.2 in Modes 1,2, and 3.
56. Test Deferral: BB-V118, BB-V148, BB-V178, BB-V208. These valves will be close tested during cold shutdowns. Testing these valves quarterly would be burdensome since this would require securing RCP seal water flow which could damage pump seals and increase the probability of a LOCA.
57. Not used.
58. Test Deferral: BG-8381. This valve will be close tested during cold shutdowns. Testing during power operation would require securing normal charging which would result in pressure level transients and cause a plant trip.

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59. Test Deferral: EG-V204. These valves will be close tested during cold shutdowns. Testing these valves quarterly would be burdensome since this would require securing RCP seal water flow which could damage pump seals and increase the probability of a LOCA.
60. Test Deferral: BB-V001/22/40/59, EM8815, EMV240/241, BG-8546A/B. These valves will be full stroke open tested during refueling outages. Full stroke exercising during normal operation would require injecting borated water into the RCS which could cause a power decrease. Furthermore, partial or full flow exercising of these valves cannot be performed during power operations or cold shutdown due to the existence of insufficient volume expansion to accommodate the flow required for testing. Full stroke exercising during cold shutdown could also cause cold over-pressurization of the RCS. Full flow testing of these valves requires reactor head removal.
61. Test Deferral: BBV0001/22/40/59, EM8815, BG8546A/B. These valves have will be close tested during cold shutdowns. Per ASME 1987-88a O&M 10 section 4.3.2, it is not practical to exercise these valves from the open to the closed position due to the reasons stated in note 60. Assurance of valve closure is provided by monitoring of RCS leakage in accordance with Technical Specification 3/4.4.6.2. Additionally, these valves are close tested in accordance with the guidelines of Technical Specification 4.4.6.2.2.
62. Test Deferral: EP-8818A/B/C/D, EJ-8841A/B, BB-8949B/C. These valves will be full stroke open tested during cold shutdowns. These valves cannot be exercised open during power operation due to system pressure not being able to overcome RCS pressure.
63. Test Deferral: EP8818A/B/C/D, EJ8841A/B, BB8949B/C. These valves will be close tested during cold shutdowns. Per ASME 1987-88a O&M 10 section 4.3.2, it is not practical to exercise these valves from the open to the closed position due to the reasons stated in note 62. Assurance of valve closure is provided by monitoring of RCS leakage in accordance with Technical Specification 3/4.4.6.2. Additionally, these valves are close tested in accordance with the guidelines of Technical Specification 4.4.6.2.2.
64. Test Deferral: BB-8948A/B/C/D, EMV001/2/3/4, BB8949A/D, EPV010/20/30/40. These valves will be full stroke open tested during refueling outages. These valves cannot be exercised open during power operation due to system pressure not being able to overcome RCS pressure. In cold shutdown, Technical Specification 3.5.4 requires both safety injection pumps to be isolated from the RCS, therefore there is no practical method for testing these valves during cold shutdowns.

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65. Test Deferral: BB8948A/B/C/D, EMV0001/2/3/4, BB8949A/D, EPV0010/20/30/40. These valves will be close tested during refueling outages. Per ASME 1987-88a O&M 10 section 4.3.2, it is not practical to exercise these valves from the open to the closed position due to the reasons stated in note 64. Assurance of valve closure is provided by monitoring of RCS leakage in accordance with Technical Specification 3/4.4.6.2. Additionally, these valves are close tested in accordance with the guidelines of Technical Specification 4.4.6.2.2.
66. Test Deferral: EP-8956A/B/C/D. These valves will be full stroke open tested during refueling outages. These valves cannot be open exercised open during power operation due to system pressure not being able to overcome RCS pressure. These valves cannot be partial or full stroke open exercised during cold shutdown due to cold over-pressurization concerns.
67. Test Deferral: EP8956A/B/C/D. These valves will be close tested during refueling outages. Per ASME 1987-88a O&M 10 section 4.3.2, it is not practical to exercise these valves from the open to the closed position due to the reasons stated in note 66. Assurance of valve closure is provided by monitoring of RCS leakage in accordance with Technical Specification 3/4.4.6.2. Additionally, these valves are close tested in accordance with the guidelines of Technical Specification 4.4.6.2.2.
68. Test Deferral: EM-8922A/B, EM-8926A/B. These valves will be partial stroke open exercised quarterly and full stroke exercised during refueling outages. These valves cannot be full stroke exercised open during power operation due to system pressure not being able to overcome RCS pressure. In cold shutdown, Technical Specification 3.5.4 requires both safety injection pumps to be isolated from the RCS, therefore there is no practical method for testing these valves during cold shutdowns.
69. Test Deferral: EM-8926A/B. These valves will be close tested during cold shutdowns. Testing these valves closed requires isolating the RWST which during power operation would require voluntarily entering Technical Specification 3.0.3.
70. Test Deferral: EN-V002/8. These valves will be open tested during refueling outages by disassembly. A different valve will be disassembled, inspected, and manually full stroked during each refueling. If the full stroke capability of the disassembled valve is in question, the other valve will be disassembled, inspected and manually full stroked during the same outage per ASME OMc Code-1994 Subsection ISTC 4.5.4. Stroke open testing of these valves would require installing temporary piping and flooding the containment recirculation sump with contaminated water. It is not practical to test these valves except during refueling outages, because of the

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- radiation exposure and limited time (due to Technical Specification 3.5.2).
71. Test Deferral: EJ-8969A/B. These valves will be full stroke open tested during refueling outages. Full or partial stroke opening of these valves during normal operations would require stroking of EJ HV-8804A/B. Valves EJ HV-8804A/B have a control interlock with BN-8813 which is required per technical specifications to remain open during power operations. Closing BN-8813 would require voluntarily entering Technical Specification 3.0.3. Full or partial stroke testing these valves during cold shutdowns is impractical because it requires reactor head removal.
 72. Test Deferral: EJ-8959A/B. These valves will be partial stroke exercised quarterly and be full stroke exercised during refueling outages. These valves cannot be full flow exercised open during power operation due to system pressure not being able to overcome RCS pressure. Furthermore, full flow exercising of these valves cannot be performed during cold shutdown due to the existence of insufficient volume expansion to accommodate the flow required for testing.
 73. Test Deferral: EJ-8959A/B. These valves will be closed tested during cold shutdowns. Testing these valves closed during power requires isolating the RWST which would require voluntarily entering Technical Specification 3.0.3.
 74. Test Deferral: Open testing of BG-V0135 would require securing letdown. BG-V0135 will be open tested during Cold Shutdown.
 75. Not Used.
 76. Test Deferral: EN-V004/10. These valves are partial stroked quarterly. A different valve will be full stroked during each refueling. If the full stroke capability of the disassembled valve is in question, the other valve will be disassembled, inspected and manually full stroked during the same outage per ASME OMc Code-1994 Subsection ISTC 4.5.4.
 77. Test Deferral: EM-8922A/B. These valves will be closed tested during cold shutdown. Reference PIR 93-1237, it is not practical to close test these valves at power.
 78. Test Deferral: FCV0001/2/24/25. These valves are all part of one group (ref. PIR 95-0384). If a problem is identified during the sample disassembly of one of these valves, then all remaining check valves in the group shall be disassembled and inspected per ASME OMc-1994 ISTC 4.5.4.

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79. Refer to PIR 95-0385. This PIR dealt with the O&M Part 10 section 4.3.2.4 measurement of force when exercising check valves and using a 50% deviation from the reference value as an acceptance criteria. The subject valves may be opened to the position required to fulfill its safety function even though the 50% criteria may be exceeded. When the 50% is exceeded, the subject valve(s) will be declared inoperable and will require an evaluation allowed under GL 91-18 to ensure acceptable operation. The acceptance criteria for the operability evaluation include a nonintrusive acoustic full stroke test with a torque test that must demonstrate that valve opening force is not more than 200% from the reference value.
80. EGV0036/61/124/129/130/131/204 AND BBV0443-450. These valves achieve accident condition flow during normal plant operation within the code specified testing period and proper operation is documented by normal control room logs. Therefore, per ASME 1987-88 O&M Part 10 section 4.3.2.3, no additional testing is required. Refer to PIR 95-1080 for more information.
81. Test Deferral: BGLCV0459/460. These valves will be tested during cold shutdowns. These valves isolate letdown flow through the regenerative heat exchanger. Closing these valves at power results in a significant thermal cycling of the normal charging line. Isolation of charging flow before testing would stop cooling of letdown flow and cause a steam environment resulting in water hammer. These valves are located behind the bioshield wall. Failure of either of these valves closed at power would result in plant shutdown to allow access for repairs. The degradation in plant equipment caused by testing and risks associated with valve failure at power do not justify the small amount of added assurance gained by the testing.