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10 CFR 50.55a

July 2, 2012

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555-0001

Subject: Duke Energy Carolinas, LLC
Oconee Nuclear Station, Units 1, 2 and 3
Docket Number 50-269, 50-270 and 50-287
Fifth 10 Year Inservice Testing Interval

Pursuant to the requirements of 10 CFR 50.55a(f), attached for your information is the Inservice Testing (IST) Program for Pumps and Valves at Oconee Nuclear Station. This revision (revision 27) reflects our IST Program for the Fifth 10 Year Interval beginning July 1, 2012. In accordance with 10 CFR 50.55a(f)(4), the IST Program has been updated to meet the provisions of the latest approved editions of the applicable ASME codes and standards. In accordance with 10 CFR 50.55a(f)(5), the IST Program contains a listing of "test requirements determined to be impractical by the licensee" (i.e., Relief Requests) and the basis for these determinations.

The program document contains a summary of the major changes to assist in identifying the changes made which vary from the current revision (revision 26) that was submitted to you on June 10, 2002. This summary also indicates which of the Relief Requests were approved by the Staff for prior intervals and which Relief Requests are new.

This letter identifies no new commitments. If there are any questions or if further information is needed, please contact Sandra Severance, Oconee Regulatory Compliance, at (864) 873-3466.

Sincerely,

TP GILLESPIE

T. Preston Gillespie, Jr., Vice President,
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Attachment

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NRR*

U.S. Nuclear Regulatory Commission
July 2, 2012
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xc w/attachment:

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DUKE ENERGY

Oconee Nuclear Station

ASME Inservice Testing Program

Revision 27

July 2012

Prepared by: Ed J. [Signature] Date: 6/28/12
Reviewed by: Neil Watson Date: 6/28/12
Approved by: Dan W. Peltola Date: 6/28/2012

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DUKE ENERGY
OCONEE NUCLEAR STATION

Station Program Document

SECTION 1.0

**Oconee Nuclear Station
Pump and Valve Inservice Testing
Program Document
(IST, Appendix B)**

July 2012, Rev. 27

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6/25/12

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1. PROFILE

The purpose of the In-Service Testing (IST) program, as related to this document, is to assess the operational readiness of safety related pumps and valves in accordance with NRC and ASME guidelines. This document discusses the intent of the licensee's testing positions and philosophies with regards to ASME/ANS OM Code for Nuclear Plant Operations and Maintenance Program. It is not the purpose of this document to reiterate the ASME or NRC guidelines in their entirety. Additionally, this document outlines the process for additions, changes, and deletions of pumps and valves from, or to, the IST program.

Technical Specifications require performance testing of pumps and valves in the ASME OM Code IST program. This program document defines how Oconee Nuclear Station (ONS) complies with the ASME Code and Technical Specifications as well as positions on alternative testing techniques and options. Failure to meet the requirements of this program is a violation of Technical Specifications and 10CFR 50.55a.

1.1 Program Period:

Fifth Ten Year Interval; 120 month period beginning July 1, 2012

1.2 Applicable ASME Code(s) and Addenda:

ANSI/ASME OM-2004 Standard, OMa-2005 addenda, OMb-2006 addenda, Subsection ISTA
ANSI/ASME OM-2004 Standard, OMa-2005 addenda, OMb-2006 addenda, Subsection ISTB
ANSI/ASME OM-2004 Standard, OMa-2005 addenda, OMb-2006 addenda, Subsection ISTC
ANSI/ASME OM-2004 Standard, OMa-2005 addenda, OMb-2006 addenda, Appendix I
ANSI/ASME OM-2004 Standard, OMa-2005 addenda, OMb-2006 addenda, Appendix II

1.3 Program Changes:

Section 2.1.1 of NUREG 1482, revision 1 states: An IST Program, including implementing procedures, is subject to the requirements of 10 CFR Part 50, Appendix B, "Quality Assurance Criteria for Nuclear Power Plants and Fuel Reprocessing Plants," and ASME OM Code Section ISTA. Changes to the scope, test methods, or acceptance criteria should be reviewed to the requirements of 10 CFR 50.59, 10 CFR 50.55a and 10 CFR 50.65 as appropriate."

It is concluded that changes to the IST program scope, test methods, or acceptance criteria are subject to the requirements of Section 50.59 and require evaluation. Editorial changes do not require a 50.59 evaluation. A 50.59 evaluation needs to be part of the change process and applicable to the resulting program change. It will generally be performed in conjunction with the document driving the change. This includes plant modification, Design Basis Document revision, and procedure revision. However, if a program change can not be tied to an existing 50.59 evaluation, one must be prepared.

Resultant changes to reference values due to equipment repair, or replacement, are not considered changes to acceptance criteria requiring a 50.59 evaluation. They are analyzed, evaluated and documented in the record of tests in accordance with Section 3310 of ISTB and 3310 of ISTC.

The NRC shall be notified of IST program changes; however, component additions (or deletions) may be submitted and testing implemented (or deleted) without prior NRC approval. In the instance that a component has been added to the IST program, testing and the appropriate program changes shall take place within 90 days of revising the program source documents unless determined to be impractical. If a hardship is identified, documentation in the form of a Relief Request or Justification for Deferral will be provided.

Program updates are completed as dictated by additions, deletions, and/or revisions to design basis documents (DBDs) and design calculations. The IST database represents the official IST program and is updated as required. The Pump and Valve Inservice Test Program Manual is to be updated and submitted to the NRC when a sufficient number of changes to the IST database have been made. Every 120 months ONS is mandated to review current testing requirements and upgrade testing to the latest approved version of the ASME Code as specified by 10CFR50.55a, 12 months prior to the anniversary date.

The content of this program document is for non-mandatory compliance to a recommendation stated in NUREG-1482 and is intended for the purpose of maintaining program continuity and documenting additional discussions and positions relative to code interpretations. Therefore, changes to this document are not subject to the requirements of 10CFR50.59 and do not require prior NRC review and/or approval unless so deemed by the licensee.

1.4 Scope:

As required by 10CFR50.55a, pumps and valves that are classified in accordance with NRC Regulatory Guide 1.26 as ISI Class A, B, or C, which corresponds to ASME Class 1, 2, or 3, respectively, are reviewed for inclusion in the ONS IST Program. The scope of the OM Standards and Code has been expanded to include all safety-related pumps and valves. Until the scope of 10CFR50.55a is changed, the scope of the IST program only includes those components within the Code classes.

Oconee is licensed to operate with a "safe" shutdown condition of hot shutdown rather than cold shutdown as documented below (Reference 2.8 - Technical Evaluation Report pg 20):

"Early plants such as Oconee were licensed to operate with a 'safe' shutdown condition of hot standby or hot shutdown, and were not required to achieve cold shutdown following a design basis accident. For such plants, certain components and systems necessary to achieve cold shutdown may not be safety-related and/or subject to quality assurance requirements. These components are not credited to achieve 'safe' shutdown. Subsequently, only components required to bring the unit(s) to this safe shutdown condition are included within the IST program

The licensing basis for Oconee is contained in the Final Safety Analysis Report (FSAR). Chapter 15 of the Oconee FSAR examines the effects and consequences of transients and accidents that constitute the design basis. The ability of the plant to operate within regulatory guidelines without undue risk to public health and safety was evaluated and accepted by the Staff. The fact that the transients and accidents analyzed in the FSAR do not continue beyond the hot shutdown condition indicates that the capability to establish this condition would provide an acceptable level of quality and safety.

The licensee has proposed to exclude from the IST scope those components that are not required to perform a specific function in shutting down the reactor to the safe shutdown condition. The licensee has proposed to 'test these valves in accordance with their 10CFR50 Appendix B program.' 10CFR50, Appendix B addresses quality assurance for safety-related components. These components may not, however, be safety-related, as discussed above. In any case, the licensee has stated in the basis that the component's operability would be assured during normal plant shutdown. Based on the determination that the licensee's proposed alternative would provide an acceptable level of quality and safety, it is recommended that the alternative be authorized in accordance with §50.55a ¶(a)(3)(i)."

Subsequently, only components required to bring the unit(s) to this safe shutdown condition are included within the IST program.

Certain pumps and valves beyond the scope of 10CFR50.55a are active in certain non-Design Basis Events, are cold shutdown equipment not associated with a UFSAR Chapter 15 event, are significant to plant safety, and/or are of economic importance that are beyond the scope of 10CFR50.55a. Such components are not included in the IST Program. However, "the intent of 10 CFR 50 Appendix A, GDC-1, and Appendix B, Criterion XI, is that all components, such as pumps and valves, necessary for safe operation are to be tested to demonstrate that they will perform satisfactorily in service" (Reference 2.11 -

Section 2.2). Such pumps and valves are tested in the supplemental, 10CFR50 Appendix B Program. Within the supplemental program, the licensee specifies how the component is tested or if a deviation from the Code guidelines is allowable. No relief requests for components within the scope of the Appendix B supplemental program are submitted. See Appendix A of this document for a discussion of this program.

1.5 Bases:

The design bases for inclusion of pumps and valves within the testing program is provided within the following source documents:

Mechanical System Design Basis Documents (DBD): OSS-0254.00-00-1000 Series
Plant Design Basis Document for Reactor Building Containment Isolation: OSS-0254.00-00-4001
Design Basis Calculations:
OSC-3608; "Active Valves - Steam Drain System"
OSC-3666; "Active Valves - Turbine Oil System"

A comparison of the bases documents and the IST program should be accomplished periodically to ensure completeness and correctness of the IST program.

The Responsible System Engineer shall initiate program changes as changes are made to the respective system DBDs or active/passive valve calculations. When changing the program by revising a DBD, appropriate groups are notified via the modification process. The IST database (NEDL document IST OIST-0001.00-0001-001) should be listed as an affected document. When changing the program by revising a calculation (for systems that do not have DBDs), the programmatic method of informing station personnel of changes in the calculation is ensured by completion of the Calculation Impact Assessment (CIA) form. The person who revises the calculation is required to complete the CIA form to evaluate the need for subsequent changes to the test procedures and the program. Enclosures 9.2 and 9.3 are included to assist station personnel in documenting program changes for the IST Coordinator.

To ensure Code compliance for the ONS Pump and Valve Testing Program, the IST Coordinator should be notified of any of the following changes:

- changing the active/passive status of a component
- changing the leakage requirements of the component
- changing the piping classification of the component (Duke Class and ISI Class)
- changes regarding how the component may be tested
- a commitment is made or changed for testing or operation of a component
- taking credit for a new function, flow path, etc.

1.6 History:

The ONS IST program has gone through three major phases from 1976 to 1994.

The initial phase began in April 1976 when the NRC informed ONS that 10CFR50.55(a) had been revised. This revision to the regulations required "testing in accordance with ASME Code Section XI... which may conflict with existing Technical Specifications and advise them where Section XI requirements could not be met". It was recognized that this was a requirement that was not in force at the time of plant design, so the NRC required ONS to meet Section XI to the extent that was consistent with the original design (i.e., ONS was not required to put in instruments to measure certain parameters where instruments did not previously exist).

On October 1, 1976 a response to the above request was submitted to the NRC for Unit 1. This submittal generically defined the IST program scope as, "...Duke Energy Class A, B, and C piping and components (corresponding to ASME Code Section 1, 2, and 3, respectively)...except for stated exceptions, primarily based on design limitations".

ONS expanded the IST valve list beyond the defined scope to include containment isolation valves which are Duke Class F. This valve scope was supported by temporary approval of the ONS IST program in March of 1978. In this letter the NRC acknowledged that ONS was expanding the scope of its previous

test program, and they agreed that "design limitations" prevented ONS from meeting Section XI in its entirety. In November 1980, ONS received the IST program Safety Evaluation Report for Units 1, 2, and 3.

The second phase of the ONS IST program began in the early 1980s and lasted until 1990. During this time the basic scope of the IST program was unchanged, but additional Duke Class F valves were added to the program due to expanding safety concerns that went beyond design basis accidents described in FSAR Chapter 15. In the second phase, the method of determining whether the IST program was applicable to a structure, system or component did not provide for a clear methodology in determining what additional valves should be added to the IST program.

The third phase of the ONS IST program started in 1990. During the first part of this phase the IST program scope was clearly defined to resolve and clarify the concerns experienced during the 1980s. The scope is now clearly defined for valves and pumps within Sections 4 and 5, respectively. ONS also recognized that the accidents postulated in the late sixties and early seventies for PWRs are considerably different from accidents postulated for newer plants. For this reason, ONS expanded its testing by developing a supplemental program called the "Appendix B Test program". The Appendix B program was created out of a need to proceduralize the testing of additional pumps and valves that are important to safety.

The new IST scope and the Appendix B program were discussed with the NRC at an information meeting on November 14, 1990. In July 1993, ONS received its second 10 year submittal approval. There were no objections to the scope. The NRC granted relief from testing cold shutdown valves as part of the formal IST program. The NRC recognized ONS tested these valves within the Appendix B program, and commented... "The licensee has proposed to test these valves in accordance with their Appendix B program...the licensee has stated in the basis that the component's operability would be assured during normal plant shutdown. Based on the determination that the licensee's proposed alternative would provide an acceptable level of quality and safety, it is recommended that the alternative be authorized in accordance with 50.55a."

Oconee Nuclear Site updated the valve In-Service Testing program to follow the requirements of the ASME/ANSI Operational and Maintenance Code OM-1987 (OMa-1988 Part 10) in the February 1995 response to the November 1994 NRC Safety Evaluation Report.

Prior to 1998, it was the ONS position that constant speed, gear driven motors of MOVs would operate in essentially the same time when stroked in either direction. It was also the ONS position that degradation of a constant speed, gear driven motor would not appear in only one direction. Therefore, ONS took the position that IST MOVs that have a requirement to change position in both directions during an accident would be stroke timed in one direction and simply exercised in the other direction. This position was clearly documented within the IST program document, which was submitted to the NRC with Revision 23 of the IST program. In 1998, NRC auditors inspected the IST program and differed in this interpretation (NRC Inspection Report 98-11). Their interpretation was based on OM-10, which speaks of "limiting value(s)" of stroke times for power operated valves. The NRC stated that the word "value(s)" implied that MOVs that are required to stroke in both positions during an accident should be stroke timed in both directions. Therefore, the ONS position was changed to incorporate stroke timing MOVs in either or both direction(s) which the valve operators are credited during an accident. Reference PIP 98-5894 for the corrective actions in place to revise affected procedures.

The fourth 10 year interval for the Oconee Nuclear Site began July 1, 2002. At that time, ONS updated the In-Service Testing program to follow the requirements of ASME/ANSI Operational and Maintenance Code OM-1995 (OMa-1996 addenda). This included subsections ISTA (general requirements), ISTB (pumps), ISTC (valves), and mandatory Appendix I (relief valves).

On December 11, 2006, ONS was granted approval by the NRC to implement the 1998 edition of the ASME/ANSI Operational and Maintenance Code, OMB-2000 addenda, Appendix I for relief valves only.

The fifth 10 year interval for the Oconee Nuclear Site began July 1, 2012. At that time, ONS updated the In-Service Testing program to follow the requirements of ASME/ANSI Operational and Maintenance Code OM-2004 (OMa-2005 addenda, OMB-2006 addenda). This included subsections ISTA (general

requirements), ISTB (pumps), ISTC (valves), mandatory Appendix I (relief valves) and Appendix II (Check Valve Condition Monitoring Program).

2. REFERENCES

- 2.1 Generic Letter 89-04
- 2.2 10CFR 50, Appendix B
- 2.3 10CFR 50.55a
- 2.4 Deleted
- 2.5 ASME OMB-2006, Subsection ISTA, ISTB, ISTC, Appendix I and Appendix II
- 2.6 ONS Technical Specifications
- 2.7 Updated Final Safety Analysis Report (UFSAR)
- 2.8 NRC Safety Evaluation of the Inservice Testing Program Relief Requests for Pumps and Valves (7-23-93)
- 2.9 NRC Safety Evaluation of the ONS, Units 1, 2, and 3 Pump and Valve IST Program, Revision 21 (11-23-94)
- 2.10 NUREG/CP-0152, Proceedings of the Sixth NRC/ASME Symposium on Pump and Valve Testing
- 2.11 NUREG-1482, Guidelines for Inservice Testing at Nuclear Power Plants, Revision 1
- 2.12 Generic Letter 89-10
- 2.13 Correspondence: M. S. Tuckman to NRC, "Generic Letter 89-04 Response", 11/01/1990

3. DEFINITIONS/TERMS

Generic Letter 89-10 -	the NRC letter providing additional requirements in testing MOVs to design basis conditions.
Generic Letter 89-04 -	the NRC letter providing supplemental guidance on developing and enhancing plant IST programs.
OM ISTA Code -	the part of ASME O&M Code that provides general requirements.
OM ISTC Code -	the part of ASME O&M Code dealing with the Inservice Testing of valves.
OM ISTB Code -	the part of ASME O&M Code dealing with the Inservice Testing of pumps.
Frequencies -	the interval of time between in service testing of the components. These intervals are defined as follows: <ul style="list-style-type: none">• Double frequency - 46 days maximum• Quarterly (3 months) - 115 days maximum• Cold Shutdown (CSD) - Unit RCS temperature below 200 °F and reactor subcritical. No testing is required if it has been less than 90 days since the last test was performed.• Refueling (RF) - Unit at CSD for the purpose of replacing or rearranging all or a portion of the fuel assemblies or control rods. Consistent with the guidelines within NUREG-1482 and ISTC, tests required to be performed each refueling are tied to a plant condition rather than a specific time interval.
IST Component -	components (valves and pumps) that are required to be tested per ASME OM Code. Sections 4.1 and 5.1 of this document define the criteria to be included in the IST program.
"Appendix B Component" -	components (valves and pumps) tested under jurisdiction of 10CFR50, Appendix B. They are not required be tested per the Code and no Relief Request or Justification for Deferral is submitted.
"Appendix J Component" -	components leak tested for containment integrity under jurisdiction of 10CFR50, Appendix J.
Active Component -	a component that must perform a mechanical motion during the course of accomplishing a system safety function.
Passive Component -	a component that does not perform a mechanical motion during the course of accomplishing a system safety function.
System Resistance-	the hydraulic resistance to flow in a system
Trending-	a comparison of current data to previous data obtained under similar conditions for the same equipment.
Set Point -	the value for which relief valves are set to relieve its pressure

Leak Test -	testing of valves to verify seat leakage as limited to a specified maximum
Stroke Time -	the time interval from valve actuation to the limit switch indication light at the end of the actuating cycle
Limiting Stroke Time -	the maximum time allowed for an IST required valve to stroke before becoming immediately inoperable
Relief Request -	A request submitted to the NRC requesting relief from the requirements of the Code for testing a particular component or a generic group of components
Justification for Deferral -	A documented explanation of why a valve can only be tested at a cold shutdown or refueling outage frequency as opposed to quarterly
IST Database -	IST program manual - This document is stored on a limited access server in a controlled database.

4. VALVE PROGRAM

4.1 In-Service Testing (IST) Program

As required by 10CFR50.55a, only valves that are classified in accordance with NRC Regulatory Guide 1.26 as ISI Class A, B, or C, which corresponds to ASME Class 1, 2, or 3, respectively, are subject to IST requirements. For clarification of system piping classification correlation refer to Enclosure 9.1.

Refer to Sections 1.4 and 1.5 for further clarification of the scope of the IST program.

4.2 Valve Testing Generic Position Statements

Valves tested under the jurisdiction of this program are tested per code requirements of ISTC at the specified frequencies unless it has been determined to be impractical. This section of the program document provides the site's positions on interpretations, guidance, and other options regarding testing alternatives.

- 4.2.1 ISTA 9230 (j) requires the signature of the person or persons responsible for conducting and analyzing the test. The dated initials of the person or persons responsible for conducting and analyzing the test may be used in place of a signature in the record of the tests. Initials can be used as signatures to meet the intent of the ISTA as long as somewhere in the test procedure the initials are identified by a full signature or the initials are construed as signatures.
- 4.2.2 It is the licensee's position that valve testing be deferred if the normal code required test frequency or plant conditions would result in increased personnel risk or damage to plant equipment. The practicality of such deferral shall be determined by the licensee and documented in the "Justification for Deferral" section of the IST Program manual. In such cases, the licensee will not perform any type of destructive testing to determine the period of time at which damage to the equipment or risk to personnel would occur. Exercising valves on a cold shutdown or refueling outage frequency is not a deviation from the code (Reference 2.11 - Section 2.4.5).
- 4.2.3 Manual valves that meet the scope requirements of ISTC or are credited in the safety analysis for being repositioned to shut down the plant, to maintain the plant in a safe shutdown condition, or to mitigate the consequences of an accident are included in the IST program. The testing of such valves is established in order to meet the intent of the exercising requirements of ISTC.

4.3 Check Valve Testing

Check valves tested under the jurisdiction of this program shall be tested per ASME O&M Code requirements or alternatives at the specified frequencies unless otherwise specified. As an alternative, Appendix II (Condition Monitoring) may be implemented on certain valves or groups of valves at the discretion of the licensee. This section of the program document provides the ONS positions with regards

to interpretations, guidance and other options and testing alternatives for check valves. Enclosure 9.5 of this document provides a listing of IST check valves and the basis for their current grouping.

- 4.3.1 Check valves shall be exercised per ISTC (OMb-2006), section 3510 every 3 months, except as provided by ISTC sections 3522, 3550, 5221, 5222 and 3570. Where testing is deferred, it is noted in the Valve Table with a specific Justification for Deferral. If the valve exercising methods specified in ISTC 5221 (a) are impractical for certain check valves, or if sufficient flow cannot be achieved or verified, then a Sample Disassembly examination program shall be used to verify valve obturator movement as described in ISTC 5221 (c). JFDs have been removed from IST Program for check valves in the Check Valve Condition Monitoring Program.
- 4.3.2 Full stroke testing of check valves does not necessarily constitute the obturator contacting the back-stop. Where possible, sufficient flow shall be passed through the valve to verify design basis accident flow. If full flow is not possible, then the licensee shall perform correlation testing, partial stroking, or other alternatives as provided by ISTC section 5221.
- 4.3.3 Reverse flow testing of check valves shall be performed per ASME requirements. Examples of positive means that may be used to verify valve closure are as follows:
- Pump discharge check valves - verified closed by meeting a parallel pump's acceptance criteria while cross-connected.
 - Appendix J testing
 - Measure reverse flow through the valve using an open vent on the backside of the valve or ultrasonic flow measurement techniques
 - Pressure drop across a pump
 - Observation of external indication on valve stem
 - Pump windmilling
 - Radiographic indication of closed disc
 - Ultrasonic indication of closed disc
- 4.3.4 Per NUREG-1482 and recommendations stated in ONS SER, the licensee recognizes the NRC's acceptance of nonintrusive techniques (N.I.T.) for testing check valves. The licensee, in fact, has purchased N.I.T. equipment and is investigating incorporation into the testing program. However, this N.I.T. equipment has only recently been introduced to the industry and was not supplied from the vendor under the elements of the Q.A. program as with other equipment utilized for testing safety related components. This presents the burden on the licensee to validate the technology (i.e. software qualifications, calculation validity, engineering correlation, etc.). Therefore, it is the licensee's position that (N.I.T.) is a voluntary option and is evaluated on a specific application basis if full stroke exercising or sample disassembly cannot be performed.
- 4.3.5 ISTC section 5221.c.3 states for those check valves in the sample disassembly program, one valve from each group of valves shall be disassembled and examined each refueling outage. It is the licensee's position that 'refueling outage' shall be interpreted as the frequency of the SSF outage for those check valves in the sample disassembly program that support the SSF. Currently, the SSF is on a 2 year outage frequency. This interpretation seems appropriate for the following reasons: 1) the ONS SSF outage frequency is only 6 months greater than the 3 operating refueling outage frequencies (24 months versus 18 months); 2) other utilities already have operating unit refueling outages of 24 months which implies that 24 months is an acceptable frequency.

4.4 Relief Valve Testing

Relief valves tested under the jurisdiction of this program shall be tested per code requirements Appendix I as referenced by OMb-2006. This section of the program document is to provide the site's positions with regards to interpretations, guidance, and testing alternatives for relief valves. Relief valves shall be considered for inclusion in the program if they provide overpressure or thermal relief protection for portions of systems that perform a specific function in shutting down a reactor or in mitigating the

consequences of an accident. Enclosure 9.6 of this document provides a listing of IST relief valves and the basis for their current grouping.

Valves that fail to comply with the set pressure acceptance criteria or the owner established acceptance criteria will be evaluated.

Refer also to the ONS Engineering Support Program for Relief Valves.

4.5 Leak Rate Testing

All category A valves shall be tested per ISTC section 3600. Those valves which function in the course of plant operation in a manner that demonstrates adequate seat leak-tightness need not be additionally leakage tested. In such cases (i.e., Containment Purge Isolation Valves) proper administrative controls are implemented and the valves leak tested during refueling outages.

Per section ISTC 3620, Category A containment isolation valves shall be tested per 10CFR50, Appendix J and shall be included in the IST program. Where a valve is identified as a containment isolation valve in the Technical Specification or SAR and if it is determined to be an "active" valve with respect to this function, it shall be exercised to the closed position when there is an associated requirement for leak testing.

Within the Low Pressure Injection System (LPI) a passive failure (i.e. pressure boundary failure) is credible within a design basis accident. Passive failures are defined as any failure that is not an active failure. For example, the breach of a fluid pressure boundary or blockage of a process flow path is a passive failure. Pressure boundary failures considered are limited to leakage between flanges, gross valve or pump seal (or packing) leaks, etc., but not pipe breaks or cracks.

Testing of equipment necessary to mitigate the effects of passive failures from the standpoint of maintaining LPI accident mitigation functions such as core cooling and core injection has been included within the scope of the testing program.

Leakage testing of boundary valves that provide isolation outside of the LPI system (leakage testing to the BWST, external leakage check, leakage to the LDST, etc.) without consideration of passive failures is considered within the testing program. Such concerns are discussed within Information Notice 91-56, "Potential Radioactive Leakage to Tank Vented to Atmosphere". Leakage testing of isolation valves at a secondary level such as occurs due to a passive failure is not included within the scope of testing program. If included in the testing program, the number of combinations of potential valves that would have to be leak tested would be significantly large. Although such leakage could contribute to off-site and control room dose, significant leakage is not deemed credible following a passive failure since there would be multiple means (valves in series, stopping LPI pumps, etc.) available to isolate a passive failure causing external leakage from the LPI system. Therefore, based on the low likelihood for external leakage based on multiple means of isolating a passive failure versus the significant number of tests necessary to ensure the isolation of all potential passive failures, the incremental safety benefit for such testing does not appear cost justified. Where leakage past such boundary valves is identified during normal plant operations, actions (work orders, modifications, etc.) will be taken to correct the problems in a timely manner.

Other utilities were also contacted to determine the industry position on such testing. It was determined that this issue was not being considered at other sites. The individuals questioned concluded that the stance remain that such testing not be performed since it is a secondary level of testing beyond the current requirements to identify external leakage from the LPI system in its normal state, not considering a passive failure. In addition, there were no identified commitments to perform such testing.

Thus, leakage testing of equipment necessary to isolate consequential external leakage from passive failures is not included within the scope of the testing program.

4.6 Valve Position Verification

From section 3700 of ISTC, valves with remote position indication shall be tested at least once every 2 years to verify that the valve operation is accurately indicated. Valves that have remote operating switches and/or power supplies (e.g. SSF valves) should also be tested and verified for proper indication from the remote location. Other valve operating parameters, such as timing are not performed from the remote location during this testing.

The remote position indication is verified for passive valves as well (reference 2.11 - Section 4.2.8). This is further captured in PIP 98-3826.

Many valves such as sealed solenoid valves and valves with enclosed stems have no provision for verifying the position by direct observation. Other methods, such as nonintrusive techniques, causing the flow to begin or cease, leak testing, and pressure testing can yield a positive indication of obturator position (reference 2.11 - Section 4.2.7). This is further captured in PIP 98-3858.

4.7 Post Maintenance/Modification Testing (Retest)

See NSD-408, "Testing".

4.8 Fail-Safe Testing of Valves

All Fail-Safe valves shall be tested in accordance with ISTC, section 3560. Valves used only for system control are typically excluded from testing in the IST program. However, if a system control valve must change position to support a safety-related function and it has a fail-safe position, then it must be included within the program and tested to verify the ability to perform that function with power removed (or simulated power removal).

4.9 Skid-Mounted Valves

Skid mounted valves and component subassemblies are excluded from ISTC provided they are tested as part of the major component and are determined by the Owner to be adequately tested (ISTC 1200). The licensee, however, may opt to include certain components contained on these skids in the IST program for testing purposes. Skid mounted components that are adequately tested as part of the major component will be included in the Supplemental Testing program. In such cases, the licensee is neither obligated to submit relief request on testing alternatives nor is it obligated to trend the performance of such components as required with components which meet the scope of ISTC (Reference 2.11 - Section 3.4).

4.10 Valve Test Acceptance Criteria

All valve test acceptance criteria (IST-TAC) shall be developed in accordance with the provisions specified in ISTC. The applicable acceptance criteria is developed when the valve is known to be performing in a satisfactory manner. Where IST-TAC other than that required by code is established for a given valve (i.e. additional N.I.T diagnostics), the documentation of that criteria is at the discretion of the licensee and not required to be part of the test record. Trending of valve test data is performed by the licensee on a periodic basis. Leakage criteria for valves, other than those tested in accordance to 10CFR50, Appendix J, is determined based on leakage rates specified by the licensee or using the guidance specified in ISTC 3630. Relief valve IST-TAC shall be established per OMB-2006, ISTC 5240, Appendix I.

Such 'IST-TAC' should not be confused with the acceptance criteria specified in DBDs, DBD associated TAC Sheets, Technical Specifications, or any SAR. Such acceptance criteria are the most limiting values and can not be exceeded. IST-TAC are set to verify operational readiness of the valves and to identify valve degradation before the 'most limiting' acceptance criteria are exceeded. IST-TAC are based upon stroke times measured when the valve is known to be in good working order and are controlled within the test procedures. Alternatively, DBD-TAC are specific criteria associated with a valve's design basis.

4.10.1 *Reference Values*

Reference values shall only be established when the valve is known to be operating acceptably. After valve maintenance or replacement, baseline stroke times shall be reset or the previous value reconfirmed per ISTC section 3310.

4.10.2 *Valve Stroke-Time Acceptance Criteria:*

The following cases present the options available for determining valve operability based on stroke time:

- CASE 1: The valve strokes within its acceptable stroke time. The valve is considered operable.
- CASE 2: The valve doesn't move at all on the first try or exceeds its LIMITING VALUE. ISTC immediately refers to this valve as being inoperable. An engineering evaluation needs to be done to determine the cause of the valve failure and system operability.
- CASE 3: The valve fails to meet the acceptance stroke time, but strokes in less than the LIMITING VALUE. Per ISTC, the valve shall immediately be restroked to achieve an acceptable stroke time. Per the Oconee valve testing program:
- If the valve successfully strokes on the restroke, the valve is considered operable. The cause of the initial deviation shall be analyzed and the results documented in the test procedure. A third valve stroke may be performed to demonstrate consistent valve operation.
 - If the valve does not fall within the acceptable range on the restroke, then the valve is declared inoperable. An evaluation must be performed to determine the root cause of the failed test. The evaluation may determine that either corrective maintenance must be performed on the valve or the new stroke data is acceptable and new baselines must be established. Such results must be documented in the test procedure.
 - In the event the initial stroke and the retest results are inconsistent, but the engineering evaluation shows the new stroke time is acceptable, a third test may be performed to verify consistent behavior. Documentation of the third test is optional if it shows no deviation from the "restroke".

4.10.3 *Valve Stroke-Time Measurements and Methods:*

Power operated valves, which are active and therefore must change position in order to perform a safety function, shall be stroked timed to that position. Power operated valves which are active in both the open and closed directions shall be stroke timed in both directions. These valves may have a different reference value in each direction.

In most instances, valve stroke times are measured with a stopwatch. The stopwatch is started when the valve is actuated and it is stopped when an indication light is received indicating that the valve has completed its full stroke. Stopwatches used to measure stroke times are calibrated annually. Valve stroke times are recorded to the precision of the timing device to prevent any rounding errors in the field.

4.10.4 *Limiting Value Stroke-Time Acceptance Criteria:*

Limiting Values for stroke-times are established in accordance with the guidance given in NUREG-1482 (Reference 2.11 - section 4.2.1). It is the position of the licensee that these values be determined as follows (with the limitations of Tech. Specs. and Safety Analysis being the most limiting):

<u>Valve Type</u>	<u>Limiting Value Calculation</u>
EMO (> 10secs.)	1.3R (to the nearest second or 5 sec.)
EMO (≤ 10secs.)	1.5R (to the nearest second or 5 sec.)
POV (> 10secs.)	2.0R (to the nearest second or 5 sec.)
POV (≤ 10secs.)	2.25R (to the nearest second or 5 sec.)

Note: Where 'R' represents the valve reference value at acceptable operation.

Valves that stroke in less than 2 seconds may be exempted from reference ranges and the maximum limiting stroke time shall be 2 seconds as specified by ISTC section 5132 (c).

Most containment isolation valves have specified maximum closing stroke times that are no greater than 60 seconds.

4.10.5 *Engineering Evaluations:*

Sections 5115, 5123, 5133, 5143 and 5153 of ISTC allows the use of analysis for declaring a valve operable, after testing indicates the stroke time is above the limiting value. This approach may be used to the extent that it applies. In cases where a valve stroke time exceeds the limits of the safety analysis, it could not be declared operable until a reanalysis indicates the new (increased) stroke time is acceptable. A relief request would not be necessary to perform the analysis (or reanalysis). The analysis shall be documented or referenced within the record of test.

4.11 **Manual Strokes**

In general, required manual valve strokes are performed prior to required stroke time testing. This sequence has been purposefully arranged to minimize the number of valve strokes performed. Preconditioning has also been considered.

For motor operated valves, an electrical stroke is required to be performed following all manual strokes prior to returning the valve to service. Historical data supports that MOVs have very consistent stroke time values and that performing a manual stroke prior to the stroke time test does not precondition the valve in such a manner to aid acceptable performance.

For air operated valves (FDW-315 and FDW-316), the manual stroke is performed once every 2 years. The manual stroke is performed prior to the required stroke time testing such that the stroke time test is used to show that the operator handwheel has not been left in the throttled position. Additionally, performing the manual stroke prior to the timed stroke does not constitute preconditioning because these valves are stroked quarterly and there is sufficient data to show acceptable valve operation.

5. **PUMP PROGRAM**

5.1 **In-Service Testing (IST) Program**

As required by 10CFR50.55a, only pumps that are classified in accordance of NRC Regulatory Guide 1.26 as ISI Class A, B, or C, which corresponds to ASME Class 1, 2, or 3, respectively, are subject to IST requirements. For clarification of system piping classification correlation refer to Enclosure 9.1. The following defines the criteria for inclusion of equipment in the IST Program:

- A. All pumps which fall within the Duke ISI Class A, B, or C boundaries that are provided with an emergency power source and are also active in mitigating the consequences of the Design Basis Accidents (Design Basis Accident is defined as those described in UFSAR Chapter 15).
- B. Pumps in systems specifically required by Technical Specifications to be tested per the Inservice Testing Program.

Refer to Sections 1.4 and 1.5 for further clarification of the scope of the IST program.

5.2 **Pump Testing Program Exemptions and Position Statements**

Pumps tested under the jurisdiction of this program shall be tested per code requirements of OMB-2006 Subsection ISTB at the specified frequencies unless it has been determined to be impractical. The

purpose of this section of the program document is to provide the site's positions on interpretations, guidance, and other options regarding testing alternatives.

- 5.2.1 ISTA 9230 (j) requires the signature of the person or persons responsible for conducting and analyzing the test. The dated initials of the person or persons responsible for conducting and analyzing the test may be used in place of a signature in the record of the tests. Initials shall be used as signatures to meet the intent of the ISTA as long as somewhere in the test procedure a full signature identifies the initials.
- 5.2.2 Developed head acceptance should be rounded up for conservatism in calculations to the nearest 0.5 psi, if possible. In most cases, the suction gauges used allow this type of accuracy.
- 5.2.3 Vibration acceptance should be truncated to 2 decimal places for operability determinations. The full four digit display number should still be recorded.
- 5.2.4 Pumps whose only safety function is predicated on plant shutdown and recovery from a fire per commitments made as a result of 10CFR50, Appendix R are not included in the IST Program. The licensee tests these in accordance with Appendix R requirements.
- 5.2.5 Pumps that are not provided with an emergency source of power are not required to meet IST requirements. The licensee, however, may elect to include these pumps in the IST program for testing purpose only.
- 5.2.6 Pumps that can only be tested during plant operation shall be tested within 1 week following plant startup. To comply with GL 87-09 guidance, if the testing schedule is not maintained during plant shutdowns, the affected pump(s) must be tested before entering an operational mode which requires the pump(s) to be operable. The licensee, however, may elect to delay repairs and/or retest of pumps not required to be operable for plant startup or other operational modes.
- 5.2.7 After pump maintenance, pump performance parameters shall be reset or reverified ISTB 3310. In systems where resistance can be varied, OMB-2006 Subsection ISTB introduces the requirement to perform a 5 point head curve test during the preservice test period for centrifugal and vertical line shaft pumps. The Preservice test period is defined as the period of time following completion of construction activities related to the component and before first electrical generation by nuclear heat, or in an operating plant, before the component is placed in service. Additionally, section ISTB 3310, (Effect of Pump Replacement, Repair, and Maintenance on Reference Values) states that "following pump maintenance that may have affected reference values, the Owner shall determine whether the requirements (of the 5 point head curve test) are applicable."
If pump maintenance intending to modify the hydraulic performance of the pump (e.g., impeller redesign, installation of a completely different pump, etc) is performed with an accompanying 5 point shop curve provided, an additional 5 point head curve test shall not be performed after installation into the system. The shop curve provided by the manufacturer meets the intent and requirements of paragraph ISTB 3100 (Preservice Testing) regarding the need for a 5 point head curve test. However, acceptable flow, differential pressure and vibration parameters shall be verified at flow conditions equivalent to those required by a Comprehensive test prior to declaring the pump operable. Verification of pump performance at this point relative to the accompanying shop curve provides reasonable assurance of acceptable pump performance over the range of capable pump flow rates. New baseline values will be established as necessary from the post maintenance test.
If pump maintenance intending to modify the hydraulic performance of the pump (e.g., impeller redesign, installation of a completely different pump, etc) is performed but WITHOUT an accompanying shop curve provided, a preservice 5 point head curve test shall be performed. The intent of this action is to establish a known pump operating curve following maintenance intended to affect the hydraulic performance of the pump. New baseline values will be established as necessary from the head curve test. Per discussion with Pump Engineering, work intending to modify the hydraulic performance of the pump is performed within the modification process. Any such modification will be subject to post modification testing that specifies appropriate head curve requirements per OMB-2006 Subsection ISTB. Pump maintenance not intended to affect the hydraulic performance of the pump (disassembly and reassembly, replacement of impeller with spare impeller of the same design, etc.) shall not require a 5 point head curve test but would be subject to PMT

requirements to verify expected pump performance and to establish or reconfirm baseline values in accordance with OMB-2006 Subsection ISTB.

- 5.2.8 NUREG-1482, section 5.6, specifically allows for adjustment of code mandated acceptable, alert and required action limits if in the conservative direction. Accordingly, for those pumps whose Comprehensive tests can only be performed during outages (HPI, Alpha LPI), the required action range will be imposed in place of an alert range. A move in this conservative direction will allow for evaluation/analysis techniques to be used should a pump fall outside of the code specified acceptable range. This approach is employed because double frequency testing for a test only capable of being performed during an outage is impractical.
- 5.2.9 As clarified in OM Code Interpretations 95-7 (OM-1990, Subsection ISTB 4.6.1 and Table ISTB 4.6.1.1; OM-1987 with OMA-1988, Part 6, Para. 4.6.11 and Table 1, "Instrument Accuracy") and Inquiries IN 91-3 (OM-1987 through OMC-1990, Part 6, Para. 4.6.1.1) and IN 91-037 (ASME Section XI, 1977 Edition Through Later Editions and Addenda Through the 1987 Addenda, Table IWP-4110-1, Instrument Accuracy- Flowrate), the accuracy requirements of analog instruments that are used to measure process flow apply only to the reference calibration of the instrument, such as that supplied by the instrument manufacturer, in determining loop accuracy. In determining instrument accuracy, the Code does not explicitly require the licensee to consider physical attributes (such as orifice plate tolerances), tap locations, environmental effects (such as temperature, radiation or humidity), vibration effects (such as seismic) or process effects (such as temperature). However, factors associated with attributes that could affect the measurements include the effects of wear, accumulation of dirt or grease on an annubar flow coefficient, and the reversed installation of a one-direction orifice plate. (Added per PIP 11-8860)

5.3 Mini-flow/Recirculation Flow Pump Testing

Reference OMB-2006 Subsection ISTB 5100, 5200 and 5300, Bypass Loops.

5.4 Testing Required from Remote Locations:

Pumps with remote indications shall be observed at least once every 2 years to verify that pump operation is accurately indicated. Pumps that have remote operating switches and/or power supplies should be remotely tested (i.e. HPI pumps). They should be tested and verified for proper pump operation and indication from the remote location as a good engineering practice. Other pump operation parameters, such as vibration, bearing temperatures, pressure and flow do not have to be performed from the remote location during testing.

5.5 Post Maintenance/Modification Testing (Retest)

See NSD-408, "Testing".

5.6 Skid-Mounted Pumps

Skid mounted valves and component subassemblies are excluded from ISTB provided they are tested as part of the major component and are determined by the Owner to be adequately tested (ISTB 1200). The licensee, however, may opt to include certain components contained on these skids in the IST program for testing purposes. Skid mounted components that are adequately tested as part of the major component will be included in the Supplemental Testing program. In such cases, the licensee is not obligated to submit relief request on testing alternatives nor is it obligated to trend the performance of such components as is required for components which meet the scope of ISTB.

Keowee Guide Bearing Oil Pumps Skid Mounted Justification

The Keowee Turbine Guide Bearing Oil system provides lubrication and heat removal for the turbine guide bearings. The oil in this system is recirculated continuously during unit operation and shutdown conditions. Both the AC and DC Guide Bearing Oil Pumps and their associated discharge check valves (1/2GBO-1,3) are treated as skid mounted components per ISTB 1200 and ISTC 1200 within the Oconee Inservice Testing Program. These components are adequately tested during operation of the Keowee Hydro Unit. Additional flow and vibrational testing is performed as a good practice for each of the Guide Bearing Oil Pumps as part of the ONS Supplemental Testing Program. NUREG-1482, as well as other

industry documents, gives examples of components that are often considered skid mounted. One example of such components is a diesel fuel oil pump and its associated valves. While not a diesel engine, the Keowee Hydro Unit functions in a similar manner. It should be noted that components considered skid mounted do not have to be physically mounted on a skid but rather function as a part of the major piece of equipment. Discussions with industry peers and personnel with previous code experience has determined that the Keowee Guide Bearing Oil pumps and their associated check valves can be treated as skid mounted components.

5.7 Pump Performance Testing

All pump reference values shall be developed in accordance with the provisions specified in ISTB. The reference values shall be developed when the pump is known to be performing in a satisfactory manner. Additionally, the reference values shall be established at points of operation readily duplicated during subsequent inservice testing. Where test acceptance criteria (IST-TAC) other than that required by code is established for a given pump (i.e., pump curves), the documentation of that criteria is at the discretion of the licensee and is not required to be part of the test record. Trending of pump test data is performed by the licensee on a periodic basis.

Such 'IST-TAC' should not be confused with the acceptance criteria specified in DBDs, DBD associated TAC Sheets, Technical Specifications, or any SAR. Such acceptance criteria are the most limiting values and can not be exceeded. IST-TAC are set to verify operational readiness of the pumps and to identify pump degradation before the 'most limiting' acceptance criteria are exceeded. IST-TAC are based upon performance data measured when the pump is known to be in good working order and are controlled within the test procedures. Alternatively, DBD-TAC are specific criteria associated with a pump's design basis.

5.7.1 Establishment of Initial Conditions

The pump performance testing shall be completed as follows:

Pump Speed

The pump shall be operated at the nominal motor nameplate speed for constant speed drives, and at a speed adjusted to the reference speed for variable speed drives.

System Resistance

The resistance of the system shall be varied until the flow rate equals the reference value. The pressure shall then be determined and compared to its reference value. Alternatively, the flow rate can be varied until the pressure equals the reference value and the flow rate shall be determined and compared to the reference flow rate value. The initial establishment of the flow rate or pressure is performed in order to create equivalent system resistance during each performance test. The OM Code does not address the possibility that the initial establishment of flow rate or differential pressure may not be controllable to an exact value. When the Code specifies that the system resistance be varied until either the flow or differential pressure equals the corresponding reference value, it does not intend that the "set value" have an acceptable range as stated in Table ISTB 5121-1, ISTB 5221-1, ISTB 5321-1, ISTB 5321-2. The acceptance criteria are only applied to the parameter being determined after the resistance is varied. From NUREG 1482, however, the allowed tolerance for setting the fixed parameter may be established for each case individually including the accuracy of the instrument and the precision of its display. A total tolerance of ± 2 percent of the reference value is allowed without approval from the NRC.

For conservatism, the tolerance of the fixed parameter should be set from the reference value to +2 percent of the reference value. The responsible system engineer should document deviation from this practice as guidance for the procedure writers. For a tolerance greater than ± 2 percent a corresponding adjustment to acceptance criteria may be made to compensate for the uncertainty, or an evaluation would be performed and documented justifying a greater tolerance. In using this guidance, the variance must be documented in the IST program documents or implementing procedures (Reference 2.11 Section 5.3).

5.7.2 *Pump Hydraulic Parameters Acceptance Criteria:*

The ONS IST Program applies the acceptance criteria established for Comprehensive Tests (as in Tables ISTB 5121-1, 5221-1, and 5321-1) for the quarterly Group A tests and Group B tests as well. This approach is taken in an effort to simplify the test procedures and enable the same acceptance criteria values to be used for the quarterly tests (Group A and B) as well as the Comprehensive tests. This method is deemed acceptable due to more conservative acceptance criteria being applied to the Group A and B tests.

5.7.3 *Vibration Monitoring*

Pumps tested under the jurisdiction of this program shall be tested per code requirements at the specified frequencies unless it has been determined to be impractical.

ISTB 5122, ISTB 5222, ISTB 5322 do not require Group B pumps to be monitored for vibration on a quarterly basis. However, the ONS IST program continues vibration monitoring during quarterly testing for all pumps.

Per ISTB 3540, the location of the vibration monitoring is dependent upon the type of pump (centrifugal, vertical line shaft, and reciprocating). Found below is a discussion of the pumps within the IST program and the location of vibration monitoring performed.

The Building Spray, Low Pressure Injection, SSF Diesel Engine Service Water, and SSF HVAC pumps are all end suction type centrifugal pumps. The pump bearings (inboard and outboard) are contained within a single housing; however, orthogonal horizontal and vertical measurements are taken at each bearing. The bearing housing is not accessible for an axial measurement.

The High Pressure Injection pumps are considered vertical line shaft pumps. However, the upper motor bearing housing is not accessible for vibration measurement. A relief request (ON-SRP-HPI-03) has been submitted to allow vibration measurements to be taken at alternative locations.

The SSF RC Makeup Pump is a positive displacement, reciprocating pump. Vibration measurements are taken in accordance with the location specified in ISTB 3540 (i.e., the vertical direction). Note: ISTB Table 5321 does not impose hard vibration limits for the alert and required action ranges.

The Keowee Turbine Guide Bearing Oil Pump (gear type), Keowee Governor Oil Pump (screw type), and SSF Diesel Engine Fuel Oil Transfer Pump (screw type) are positive displacement, non-reciprocating pumps. ISTB 3540 does not specify vibration measurement locations; therefore, engineering judgment has been used to determine appropriate vibration measurement locations.

The Keowee Turbine Sump Pumps (both DC and AC) are centrifugal pumps; however, these pumps do not contain pump bearings. ISTB 3540 only requires vibration measurements on the accessible pump bearing housings. Since no pump bearings exist, vibration measurements are taken in two orthogonal directions on the motor bearing housings. No axial measurements are taken.

The Low Pressure Service Water Pumps, SSF Aux Service Water Pump, Motor Driven Emergency Feedwater and Turbine Driven Emergency Feedwater are all centrifugal pumps. Both horizontal and vertical vibration measurements are taken on the pump inboard and outboard bearing housings. An axial vibration measurement is taken on the pump thrust bearing as required.

Reference PIP 03-1049 for additional information.

6. RELIEF REQUESTS

The purpose of a Relief Request is to exclude components in the IST program from testing requirements of the ASME Code which have been determined to be impractical due to plant configuration, plant safety, equipment limitations, type, or hazards to personnel. Submitted relief requests address if: (1) the proposed alternative gives an acceptable level of quality and safety, (2) compliance would result in a

hardship without a compensating increase in safety, or (3) complying with code requirements is impractical. Relief Request for components that are in the ASME IST Program shall be sent to the NRC for approval. Each Ten Year Interval, when the site testing program is being upgraded to the new testing requirements, all relief requests shall be reviewed to ensure that their reasons for issuance are still valid.

6.1 Implementing Relief Requests:

When a relief request is submitted for those requirements which have been determined to be clearly impractical, the licensee reserves the right to implement the proposed alternative testing while the NRC is reviewing the relief request (Reference 2.11 - Section 2.5) if the proposed alternative gives an acceptable level of quality and safety.

6.2 Interim Relief Requests:

When a relief request is required on an interim basis, the licensee shall submit the relief for review, but may implement the relief while the NRC is reviewing the request (see Section 6.1). Updates to schedules or impacts to design/modification implementation of the component with interim relief shall be communicated to the NRC as the program is updated. Interim reliefs shall be withdrawn as soon as the licensee no longer requires them.

7. JUSTIFICATIONS FOR DEFERRAL:

Justification for deferral (JFD) is written when a valve can not be tested at a quarterly frequency. This could be due to an impracticality of testing the component at power or due to plant safety concerns introduced by the testing configuration. The basis for determining the impracticality of testing at power and expanding the valve's testing frequency to a Cold Shutdown or Refueling Outage frequency is documented for the IST Program in a Justification for Deferral.

In-Service Testing to be performed at Cold Shutdown shall:

- a) be performed during each cold shutdown when the planned length is of sufficient duration to establish the necessary test conditions and to perform the test,
- b) be performed as to not impact the timely completion of the shutdown related activities and subsequent return to operation. For outages when the planned length is not of sufficient duration to complete all tests, testing shall start within 48 hours of reaching cold shutdown conditions. If all tests are not completed, those tests will be scheduled to be performed at the next available cold shutdown consistent with the above criteria. Completion of the IST is not a prerequisite to return to operation. This is supported by the position stated in ISTC 3521 and ISTC 3522.

All testing required to be performed during a refueling outage shall be completed prior to plant operation. Components tested during start-up shall not delay start-up if the site Technical Specifications allow start-up with the component out of service or inoperable. Retest and corrective actions shall be performed at the first available opportunity.

7.1 Testing Deferral Justifications:

The purpose of the testing Justification for Deferral form is to document the reason that a valve can only be tested during cold shutdown or a refueling outage. The Justification for Deferral Form is found within Enclosure 9.4.

Valid reasons could be plant configuration for testing which would jeopardize the safety of plant operation, access to the component which would be against ALARA, access to the component due to the environmental conditions endangering personnel safety, or that plant configuration for testing would require the plant to be in a mode not suitable for power production. Removing one train for testing or entering a limiting condition of operation is not sufficient basis for not performing the required tests, unless the testing renders systems inoperable for extended periods of time. It is not the intent of IST to cause unwarranted plant shutdowns or to unnecessarily challenge other safety systems. Other factors such as

the effect on plant safety and the difficulty of the test should be considered. As stated earlier, testing should not interfere with power production.

8. PROCESS FOR PROGRAM CHANGES:

The IST and Appendix B Test Programs are based on design basis documents (DBDs) and calculations. When changing the program by revising a design basis document, the IST Program is listed as an affected document. The normal modification process of reconciling affected documents ensures that the IST Program Administrator is notified of a required change. The system engineer reviews all modification packages and is responsible for identifying changes to an IST component, insuring that the IST Data Base is listed as an affected document and providing updated information to the IST Administrator. When changing the program by revising a calculation, there is no programmatic method of informing station personnel of changes to the calculation, as is the case for changes to a design basis document. The person who revises the calculation is responsible for informing the appropriate station and engineering personnel of changes to the calculation and the need for subsequent changes to test procedures and changes to the test programs. Enclosures 9.2 and 9.3 are to be completed and submitted by the system engineer responsible for the affected component(s). The following represents the method for performing changes to the IST or Appendix B program:

PROGRAM DELETION

- Step 1: Determine a need to DELETE from the IST Program (System Engineering)
- Step 2: Revise DBD or Calculation (System Engineering)
- Step 3: Complete and Submit Enclosures 9.2 and 9.3 as required (System Engineering)
- Step 4: 50.59 prepared or included with package and deemed applicable.
- Step 5: Delete from Program (IST Engineer)
- Step 6: Perform Necessary Procedure Changes (System Engineering & Procedure Owner)
- Step 7: Perform Necessary NAS Changes (System Engineering or Procedure Owner submit Action Tracking to WC) **

PROGRAM ADDITION OR REVISION

- Step 1: Determine a need to CHANGE or ADD to the IST Program (System Engineering)
- Step 2: Revise DBD or Calculation (System Engineering)
- Step 3: Perform Necessary Procedure Changes (System Engineering & Procedure Owner)
- Step 4: Generate Work Request to perform an initial baseline stroke time test as required (IST Engineer)
- Step 5: Perform Necessary NAS Changes (System Engineering or Procedure Owner submit Action Tracking to WC) **
- Step 6: Complete and Submit Enclosures 9.2 and 9.3 as required (System Engineering)
- Step 7: 50.59 prepared or included with package and deemed applicable.
- Step 8: Complete Necessary Program Changes (IST Engineer)

**Action Tracking instructions for changing surveillances are found in Site Directive 4.1.1. Note the requirement to update the Work Management System (NAS) to ensure that all IST and Appendix B Surveillances are scheduled was committed within PIP's 98-0276 and 98-0233.

9. Guidelines for implementation of SR 3.0.3 Missed Surveillances

A missed surveillance can occur in a number of ways. Surveillances may be overlooked outright as a result of an error in surveillance tracking or a failure to follow procedure. On the other hand, a procedural inadequacy may be discovered that calls into question the results of the last performance of the surveillance. While the surveillance may have been performed within the specified frequency, the procedural inadequacy caused the surveillance to be inadequate or incomplete.

On discovery of a missed surveillance requirement, SR 3.0.3 is invoked. NSD-203, Operability/Functionality, and XSAA-116, Guideline for Implementation of SR 3.0.3 Missed Surveillances, should be referenced for guidance on the implementation of SR 3.0.3.

XSAA-116 can be found by going to NGO home page - Nuclear Engineering Web site - Division Tools - NE Work Place Procedures or by following the link to NEDL as seen below:

http://ngonedlweb/edmsearch/EDMSearch.asp?Library=ngoproc_gen&id=Doc_No&oper=Equal&val=XSA A-116&conj=And&id=State&oper=Equal&val=ISSUED&showprop=y

10. IST Database

NSD 228, Applicability Determination, section 8.2.5, Inservice Testing (IST) Program Plan, clearly states: "Changes to the IST Program Plan or descriptions are not subject to 10CFR50.59." Provided below is an activity description complete with the changes to the IST Program relative to housing pump and valve test acceptance criteria within the Olympus IST Database.

The numerical pump and valve acceptance criteria is maintained within the IST Database. The values are calculated per ASME OM ISTB and ISTC accordingly. The numerical acceptance criteria are utilized in determining the operational readiness and operability of the associated pumps and valves tested.

The acceptance criteria will be maintained in a qualified database with changes to acceptance criteria reviewed prior to usage by the IST administrator or designee. A printout from the IST Database will be attached to the appropriate test procedures for the pumps and valves being tested in order to document and determine their operability and operational readiness. The printouts will become a permanent record as an attachment to the test procedure (reference PIP 04-1087).

Appendix A

10CFR50, Appendix B Program (Supplemental Testing Program)

The scope of the Oconee pump and valve testing program includes all components which are active in mitigating the consequences of Design and non-Design Basis Events, are required for cold shutdown, provide a containment isolation function, or are designated by station Technical Specifications to be included in testing programs. This scope is further divided into IST testing and Appendix B testing (Reference 2.11). The scope of the IST program is discussed in detail in Sections 4.1 and 5.1 of this document.

The selected components tested under the jurisdiction of the Appendix B portion of the Oconee Pump and Valve Testing Program provide a function of safety to the operation of the plant, but do not fall explicitly under the jurisdiction of the ASME Code. Specifically, the Appendix B program encompasses pumps and valves not included in the ASME program which are active in certain non-Design Basis Events, are cold shutdown valves not associated with a FSAR Chapter 15 event, are significant to plant safety, or are of economic importance and that are considered beyond the scope of 10CFR50.55a. Pumps and valves used in the mitigation of a tornado, station blackout, fire, flood, sabotage, or loss of the Keowee Dam are included within this scope (Reference 2.11).

As a result of PIP 01-0762, valves contained in the Time Critical Operator Action list should receive a supplemental test consisting of a timed manual stroke. It should be noted that the timed manual stroke is a supplemental test and NOT required by IST. Furthermore, the IST program does not require testing of instrument, vent and drain valves; likewise, valves of this type will be exempt from testing as part of the Supplemental Program although possibly identified as a time critical component. PT/0/A/0120/033 (Time Critical Action Verification) identifies which operator actions are time critical and require timing every 2 years. Some actions identified within PT/0/A/0120/033 are exempt from timing; consequently, the population of valves associated with these actions will be manually stroked without being timed. The Design Basis Specification for Design Basis Events (OSS-0254.00-00-4005) includes the components required to be operated to perform time critical tasks. In addition, the DBD for each system with Time Critical Components identified has been revised to include a generic statement directing the reader to reference the Design Basis Events DBD for a listing of specific Time Critical Components.

Per letter dated August 28, 1997 from Duke Energy to the NRC regarding a proposed revision to Technical Specifications for the upgraded ECCW system (Tech Spec Change #96-09), the ESV pumps were committed to be tested per the manufacturer's test methods coupled with guidance from OM-6 requirements for quarterly pump testing. Testing of the ESV pumps as such will continue within the ONS Supplemental testing program with guidance from ASME OM Code subsection ISTB (latest approved version).

The Appendix B components are tested in accordance with internal Duke Energy procedures and requirements (per 10 CFR 50, Appendix B). The methods and acceptance criteria used to adequately test the components should use the criteria as specified by the IST program administrator. Relief Requests do not have to be generated for valves in the Appendix B Testing Program (Reference 2.11).

Unless appropriately documented, the ONS Appendix B Program is administered identically to the IST Program. Where possible, Appendix B components are tested per the requirements of the IST Program using safety related procedures. If the requirements of the IST Program (ISTB or ISTC) cannot be followed, relief requests need not be submitted to the NRC. Such deviations from Code 'recommendations' are documented below:

Supplemental Program Test Method Deviations:

- M-01 Appendix B manual valves are only stroked each refueling outage (Reference 2.11) or during plant operation at a frequency not to exceed 2 years.
- M-02 The Hydrogen Analyzer Sample Select Valves (1,2,3PR-71, 72, 73, 74, 75, 76, 77, 78, 79, 80) are stroked quarterly to assure functionality, but the valves are not timed. These solenoid valves do

not have an external indicator which signals a change of disk position. An air pressure change is used to verify a change of disk position.

- M-03 The Main Steam to Auxiliary Steam Header Check Valves (1,2,3AS-001) are tested during normal operation by verifying their ability to supply and control steam to the auxiliary steam header.
- M-04 Pressure regulating valves OCCW-277 and OCCW-280 function to support the SSF HVAC. The valves are tested on an annual frequency, which is consistent with the testing of the SSF HVAC system.
- M-05 Deleted
- M-06 The Reactor Building Purge Containment Isolation Valves (1,2,3PR-1, 1,2,3PR-2, 1,2,3PR-5, and 1,2,3PR-6) are passive in the closed direction as they are never opened during power operation. They are classified as IST Program valves due to their function as containment isolation valves and receive a Type C leak rate test. These valves are exercised closed during cold shutdown as they are required to close on high radiation signal during fuel movement. This is deemed an Appendix B function.
- M-07 Check valves in the Appendix B program are tested only in the direction required to perform their intended safety function. OMB-2006 ISTC requires check valves to be stroked in both directions independent of their safety function.
- M-08 Pumps in the Appendix B program are tested in accordance with ISTB. Comprehensive testing is not performed for Appendix B pumps; however, vibration monitoring is performed for all pumps. The hydraulic acceptance criteria for Appendix B pumps has been uniformly established as +/- 7 % times the reference value for differential pressure rather than the code recommended values.
- M-09 Relief valves in the Appendix B program are not subject to the requirements specified in the OM Code. The OM Code will be used as guidance in testing these relief valves. The grouping criteria and test sample population for the Appendix B (supplemental) valves are not administered the same as for those valves in the IST Program.

Supplemental Program Test Deferrals:

- D-01 The Core Flood Tank A and B Discharge Isolation Valves (1,2,3CF-1, and 1,2,3CF-2) are exercised at cold shutdown. Per ONS Technical Specifications, the electrical breakers for these valves are tagged open when the RCS pressure is above 800 psig.
- D-02 The Condenser Discharge Valves (1,2,3CCW-20, 21, 22, 23, 24, and 25) are exercised at cold shutdown. These valves cannot be stroked at power. Stroking these valves at power would place undue stress on the condenser expansion joints and necessitate a decrease in power output of the unit affected.
- D-03 The steam generator supply check valves associated with the Auxiliary Service Water Pump cannot be tested to the open position without injecting raw lake water into the steam generators. Therefore, the following valves are disassembled per the guidelines of NUREG-1482 to ensure their functional capability: 1CCW-105, 2CCW-113, 3CCW-121, 2CCW-152, 3CCW-254, and 1CCW-321.
- D-04 The Auxiliary Service Water Pump discharge check valve (OCCW-100) cannot be full stroked to the open position without injecting raw lake water into the steam generators. Therefore, the valve is disassembled per the guidelines of NUREG-1482 to ensure its functional capability.
- D-05 Deleted
- D-06 The following feedwater valves function to establish an alternate feedwater supply path: 1,2,3FDW-31, 36, 38, 40, 45, and 47. The exercising of the valves at power would affect the main feedwater supply to the steam generators. Therefore, the valves are exercised during cold shutdown to prevent causing a feedwater transient during power operation.
- D-07 The following feedwater check valves function to establish an alternate feedwater supply path from the emergency feedwater system to the main feedwater header: 1,2,3FDW-48, 93, 95, 99, 101, 375, and 385. The valves cannot be exercised at power without causing a feedwater transient. The valves are not exercised at cold shutdown in order to prevent unnecessary critical path time. Therefore, the valves are exercised each refueling outage.
- D-08 Deleted
- D-09 The following vacuum system valves function to break condenser vacuum when the Motor Driven Emergency Feedwater Pumps or Turbine-Driven Emergency Feedwater Pumps are required to take suction from the condenser: 1,2,3V-186. The valves cannot be exercised at power without causing the unit to trip due to the loss of condenser vacuum. Therefore, the valves are exercised during cold shutdown if condenser vacuum is not being maintained.

- D-10 The following high pressure injection valve functions to control flow to the auxiliary pressurizer spray: 1,2,3HP-355. The valves are not exercised at power to prevent any inadvertent actuation of auxiliary pressurizer spray. Therefore, the valves are exercised during cold shutdown.
- D-11 Deleted
- D-12 The main steam bypass valves (1,2,3MS-19, 22, 28, and 31) function to control cool down following an ATWS event. The valves are not exercised at power operation to preclude any adverse affects on secondary plant operation. The valves are exercised during cold shutdown.
- D-13 The following valves open to allow main steam from the auxiliary steam header: 1,2,3MS-25, and 1,2,3MS-34. Due to system constraints, there is no means to pass accident flow rates in order to verify open full stroke. Therefore, the valves are disassembled per the guidelines of NUREG-1482 to ensure their functional capability. (Condition Monitoring - 3R)
- D-14 Deleted
- D-15 The following High Pressure Service Water (HPSW) valves function to regulate pressure from the HPSW system to the High Pressure Injection pump motor coolers: 1,2,3HPSW-556. The valves can only be tested during cold shutdown since the QA source of cooling water to the pump motor coolers cannot be isolated at power conditions due to Technical Specification requirements.
- D-16 Valves 1,2,3LPSW-502 function during a tornado event to allow the ASW system to supply the HPI pump motor cooler jackets. Due to system constraints, there is no means available to full stroke exercise the valves. Therefore, the valves are disassembled per the guidelines of NUREG-1482 to ensure their functional capability.
- D-17 Due to past water hammer events (PIPs 97-0254, 98-3702) it has been determined that valves 1,2,3C-156 need to have stroke time testing deferred from quarterly to cold shutdown with no vacuum due to the fact that the valves have been contributors to past water hammer events and should not be stroked when the condenser is under vacuum in order to avoid the potential for water hammer induced equipment damage.
- D-18 The SSF Submersible Pumps (0CCWPU0010 and 0CCWPU0011) are tested at a two year frequency. The test parameters monitored are developed head and flow rate. This meets the requirements of Technical Specifications. This is not a deviation from Code as these portable pumps are non-Code Class, non-safety grade components.
- D-19 Deleted
- D-20 FDW-33 and FDW-42 close to provide feedwater isolation after a Main Steam Line Break in which overcooling is a concern. These valves are normally open to allow feedwater flow to continue through the startup line. Exercising these valves would result in a feedwater transient, which could cause a reactor trip. Therefore, the valves are stroked during cold shutdown.
- D-21 Deleted
- D-22 Deleted
- D-23 1/2/3CC-7 and 1/2/3CC-8 are classified as IST valves and shall close to provide containment isolation. CC is a support system to the Reactor Coolant Pump seals. These valves should be capable of opening after an ES signal as desired during an event (i.e., RCP restart). Exercising these valves during power operation would remove cooling water to the control rod drive mechanism and to the reactor coolant pumps, resulting in damage to the thermal barriers and pump seal failure. Therefore, these valves are stroked from closed to open during cold shutdown.
- D-24 1/2/3MS-83 and 1/2/3MS-85 open to allow steam flow to the EFW Pump Turbine for mitigation of an ATWS event or a Tornado event. Although not required, the valves may be closed to isolate an affected steam generator from an unaffected steam generator in the event of a MSLB. Due to system constraints, there is no means to verify these valves close upon cessation or reversal of flow. Thus, the valves are sampled disassembled during each refueling outage based on the guidelines within NUREG-1482 to assure their closure function.
- D-25 1/2/3AS-39 are designed to open to supply steam to the EFWPT during a tornado or ATWS event any time Main Steam is unavailable. During normal operation the valves are closed and shall remain closed to prevent diversion of main steam during EFWPT operation. Thus, the valves are sampled disassembled during each refueling outage based on the guidelines within NUREG-1482 to assure their closure function.
- D-26 0HPSW-408, 409, 902, 903 should open to allow cooler water flow to its associated HPSW pump motor cooler. The valves should close to isolate flow to its associated HPSW pump motor cooler and to maintain pressure boundary integrity in the LPSW system. Valves 0HPSW-408 and 0HPSW-409 are leak tested closed on an annual frequency while valves 0HPSW-902 and 0HPSW-903 are leak tested every 18 months.

- D-27 0LPSW-175, 182, 189, 3LPSW-196, 203 regulate LPSW pump packing seal water flow. LPSW pump packing seal water is required to keep packing cool and seal around the pump shaft when operating near or below atmospheric suction pressure. Pressure regulating valves are exempt from the scope of IST. Therefore, these valves are tested within the Supplemental Program on an 18 month frequency.
- D-28 1/2/3LP-28 shall be capable of being manually closed to prevent reverse flow from the containment sump to the BWST after a postulated accident in order to provide a boundary in addition to the BWST Supply Check Valves (i.e. LP-29 and LP-30) if either valve LP-21 or LP-22 fails to close. Closing this valve during normal operation makes all trains of ECCS inoperable. The valve will be tested during cold shutdown.
- D-29 0LPSPU0001 and 0LPSPU0002 are the Chiller Condenser Service Water Pumps (A and B respectively) used to provide cooling water to the A and B Chillers. Due to the risk of a unit trip, pump testing can only be performed while lake temperature is greater than 75 deg F. In addition, installed flow instrumentation does not exist. Due to the hardship of installing test instrumentation (ultrasonics) and specific lake temperature requirements, testing will be performed on an annual frequency.
- D-30 The Aux Steam Pressure Control valves (1/2/3MS-126) regulate the pressure of Main Steam entering the Aux Steam header. Auxiliary steam shall be provided for TDEFW pump operation anytime the main steam supply is incapable or unavailable (the turbine driven EFW pump, using auxiliary Steam as a driving medium, may be required for tornado mitigation). These valves are tested during refueling.
- D-31 Valves 1/2/3LWD-99 and 1/2/3LWD-103 are drain valves located on the reactor building emergency sump. These valves are not active and are exempt from local leak rate testing per Appendix J requirements. However, these valves are leak rate tested during the ILRT (integrated leak rate test).
- D-32 Valve 1/2/3C-391 is manually opened to swap the TDEFWP suction from the Upper Surge Tank to the Hotwell prior to the UST emptying during a loss of AC power event. Opening this valve at power could cause a transient condition; therefore, the valve is tested during cold shutdown.
- D-33 Valve 1/2/3HP-23 is closed by the EOP during piggyback alignment. This is not a design basis requirement; however, this action adds reliability to the system. Closing this valve during normal operation would isolate the LDST from the HPI pumps; therefore, this valve are tested during cold shutdown.
- D-34 Valve 1/2/3LP-1 should be capable of closing for a number of functions (reference LPI DBD). The valve is normally closed and is the first valve from the RCS. The valve cannot be stroked at power; therefore, the valve is stroked during cold shutdown.
- D-35 Valve 1/2/3LP-35 is the discharge check valve for the 'C' LPI pump. This valve should be capable of opening and closing to support 'C' LPI pump operation. Due to the system design, full flow cannot be achieved during normal operation; therefore, the valve is tested during cold shutdown.
- D-36 Valves 1/2/3LPSW-18 (A Train) and 1/2/3LPSW-24 (C Train) should close during a postulated Loss of Lake Keowee to ensure adequate LPSW flow to essential components and to prevent excessive reverse flow through the Unit 1 RCW coolers. These valves should not be closed at power; therefore, the valves are tested during cold shutdown.
- D-37 Valves 1/2/3FDW-37 and 1/2/3FDW-46 act as containment isolation valves for the main feedwater system and prevent steam generator blow down upon loss of feedwater discharge pressure. Closing the valve at power operation would result in loss of feedwater; therefore, the valves are tested via acoustic monitoring on a 2R frequency such that one valve is tested each outage.
- D-38 0LPSW-216 and 0LPSW-219 are the Chiller Condenser Condenser inlet control valves. These valves are credited for any event where the Control Room remains occupied. This includes all Oconee Chapter 15 events and Oconee Scoping Events that are mitigated from the control room. These 3-way bypass valves maintain chiller condenser water temperature. These valves are not ASME Code Class 1, 2 or 3 and testing will be credited by the annual performance of MP/0/A/3007/054 A (Sections for LPSW-216, 219 string check).
- D-39 Keowee valves 1MT-25 and 2MT-25 are skid mounted components tested as part of the major piece of equipment (Keowee Hydro Unit). These are vacuum breaker valves that are tested open and closed quarterly.
- D-40 The following valves are associated with supply to valves FDW-315 and FDW-316. These instrument check valves are tested as follows:
- | | |
|------------|---|
| 2N-IV-0072 | tested open quarterly; closed every 2 years |
| 2N-IV-0073 | tested open quarterly; closed every 2 years |

2IA-IV-0214	tested open and closed every 2 years
2IA-IV-0222	tested open and closed every 2 years
2AIA-IV-0128	tested open and closed every 2 years
2AIA-IV-0136	tested open and closed every 2 years

Appendix B

Responsibilities

1.0 *IST Coordinator:*

The IST Coordinator position shall be filled by a qualified individual knowledgeable of plant system operation. He/she ensures the site is in compliance by its performance testing and trending methods. The IST Coordinator accomplishes this by maintaining consistency among the System Engineers and overall program management.

The IST Coordinator is responsible for notifying Regulatory Compliance of any changes to the Valve and Pump Testing Program described in this directive, including changes to the data sheet information. The IST Coordinator is responsible for updating and maintaining the IST database. The IST Coordinator is responsible for coordinating and implementing the program update and renewal per 10CFR50 every 10 years.

As stated previously, the IST Coordinator is responsible for overall administration and control of the IST program. As part of this responsibility, the IST Coordinator shall perform the following not less than semi-annually (reference PIP 04-3314):

- in conjunction with the check valve engineer, compare the list of IST check valves with the list of check valves in the Disassembly and Inspection program to ensure program consistency;
- in conjunction with the check valve engineer, verify the population of check valves within the Condition Monitoring Program is consistent with those specified in the IST program;
- in conjunction with the relief valve engineer, compare the list of IST relief valves with the list of relief valves in the Relief Valve program to ensure program consistency

2.0 *Programs and Components Engineering:*

PCE is responsible for the following:

- ensuring the accuracy of IST data set information
- notifying IST coordinator of changes in calculations
- defining test acceptance criteria (TAC)
- ensuring Code testing requirements are met
- documenting reasons for scope or Code deviation
- providing technical assistance for writing and reviewing test procedures
- trending data
- complete valve and pump data sheets for program revisions.
- notifying the IST Coordinator of maintenance that could affect the baseline data for any IST component
- overall administration of the relief valve testing program
- administrating the check valve sample disassembly program
- evaluating specific component problems/failures (why test failed, baseline changed, etc.).

PCE is responsible for the components within their systems, which are in the program. If the status of a component changes via the modification process, PCE is responsible for referencing the IST database (NEDL document IST OIST-0001.00-0001-001) as an affected document which assures the IST program is properly revised. This responsibility is detailed further in EDM 601 section 601.6.3 for completion of Engineering Change reviews. Additionally an EC Review guidance document has been created and is located in the library section of the ONS Engineering homepage. If the status of a component changes via the calculation or licensing (T.S. or UFSAR) process, PCE is responsible for notifying the IST Coordinator to assure the IST database is properly revised.

3.0 *Operations Test Group:*

OTG is responsible for the following:

- performing tests

- accurately recording test results in procedure and database
- notifying PCE of any testing problems
- initiating a PIP when a test has failed or a problem is encountered
- documenting test discrepancies on the procedure.

4.0 *Operations Procedure Group:*

This group is responsible for the following:

- updating and maintaining all IST procedures
- verifying all technical changes with the IST Coordinator and respective PCE.

Enclosure 9.1
System Piping Classification Correlation for ONS:

Duke System Piping Classification	Safety ¹ Related	NRC Quality Group	Duke QA Cond.	ANS ⁹ Safety Class	Code ⁶ Design Criteria	Seismic Pressure Boundary Integrity	Seismic Category	Normally Contains Radioactive Material
A	YES	A ²	1	1 ²	Class 1 ANSI B31.7	YES	SC-I	YES
B	YES	B ²	1	2 ²	Class 2 ANSI B31.7	YES	SC-I	YES
C	YES	C ²	1	3 ²	Class 3 ANSI B31.7	YES	SC-I	YES
D	NO	-	4	NNS ³	ANSI B31.1	YES	SC-II ⁸	NO
E	NO	D ⁴	2 ⁵	NNS ³	ANSI B31.1	NO	-	YES
F	YES	B,C	1	2,3	ANSI B31.1	YES	SC-I	NO
G	NO	-	- ⁵	-	ANSI B31.1	NO	-	NO
H	NO	-	- ⁵	-	DPCo Specification	NO	-	NO
H (Duke HVAC Duct Classification)	YES	-	- ⁷	-	DPCo Specification	YES	SC-I	NO

NOTES:

- (1) Safety Related as used herein is in accordance with 10CFR50 Appendix A General Design Criteria for Nuclear Power Plants and is applicable to function only; i.e., structures, systems, and components required to function such that the facility can be operated without undue risk to the health and safety of the public are safety related.
- (2) Due to the evolution of requirements, Duke Classes A, B, and C for Oconee are similar but not exact to NRC Quality Group and ANS Safety Class definitions used for McGuire and Catawba, refer to Oconee FSAR for specifics.
- (3) NNS = Non-Nuclear Safety
- (4) Class E piping is equivalent to NRC Quality Group D; i.e., the system is designed to normally carry a radioactive fluid; however, is considered NNS as a component failure would not result in a calculated potential exposure in excess of the limits established by 10 CFR20.
- (5) Class E, G, and H piping systems may also be assigned QA Condition 3 and/or 4 to denote additional requirements for fire protection of safety related components and/or seismic structural integrity (except pressure boundary) to preclude adverse interactions with safety related structures, systems and components, respectively; refer to Duke Nuclear Guide 1.29.
- (6) Code and Standards Applicability: Duke Energy Company establishes an "effective code date" in accordance with 10CFR50, par. 50.55a for Oconee Nuclear Site. Due to the numerous code and standards references applicable to each station, no attempt is made to specifically identify these references as they are amended, superseded, or substituted. Duke reviews and complies with all or portions of the latest versions of the above Codes and Standards unless materials and/ or design commitments have progressed to a stage that it is not practical to make a change. When only portions of addenda to Codes and Standards are utilized, the appropriate engineering review of the entire agenda assures that the overall intent of the Code Standard is still maintained. These codes and standards are identified in the Oconee Piping Installation Specification OS-243.00-00-00-0001.
- (7) HVAC Duct Systems may be constructed of either sheet metal or piping materials depending upon the design function and requirements. Non-Safety Related HVAC may be assigned QA Condition 4, SC-II Support Restraints to preclude adverse interactions with safety related structures, systems, and components. Refer to Duke Nuclear Guide 1.29.
- (8) Class D for piping systems is used when pressure boundary protection is required. Seismic Category II hangers may be use on Class E, G, or H piping systems when pressure boundary integrity is not required. See Duke Guide 1.29.
- (9) ANSI N18.2, 1973 with 1975 addenda.

Valve Data Sheet

Change Type: **Revision** **Addition** **Deletion** **Prepared By**_____

Valve Number	Description
1	1.000000
2	2.000000
3	3.000000
4	4.000000
5	5.000000
6	6.000000
7	7.000000
8	8.000000
9	9.000000
10	10.000000
11	11.000000
12	12.000000
13	13.000000
14	14.000000
15	15.000000
16	16.000000
17	17.000000
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87	87.000000
88	88.000000
89	89.000000
90	90.000000
91	91.000000
92	92.000000
93	93.000000
94	94.000000
95	95.000000
96	96.000000
97	97.000000
98	98.000000
99	99.000000
100	100.000000

EC No. / Description _____

Flow Diagram _____ **Coordinate** _____

Valve Type: BA BF CK DI EX GB GT FL

PG PR RV SC ST SV VB

Valve Size _____ **Actuator Type:** AO EH HO MA ML MO NA SA SO

Active Valve	Yes	No	Fails to Safe	Yes	No	NA
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Appendix J	Yes	No	Alternate Feedwater Path	Yes	No
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Auxiliary Safe Guard Valve		Remote Position Indication	
Yes	No	Yes	No

ESF Valve	Yes	No	Skid Mounted Valve	Yes	No
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Program	IST	Appx. B	Vent/Drain	Yes	No
---------	-----	---------	------------	-----	----

ASME/ISI Class	A	B	C	N (non code class)
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Valve Category	A	B	C	D	(See ISTC section 1300)
----------------	---	---	---	---	-------------------------

Required Accident Position	O	C	TR
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Cold Shutdown Position	0	C	TR	NA
------------------------	---	---	----	----

Air Failure Position	O	C	AI	TR	NA
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Electric Failure Position	O	C	AI	TR	NA
---------------------------	---	---	----	----	----

*DBD Time OPEN _____

***DBD Time CLOSED** _____

*TS Time OPEN _____

***TS Time CLOSED**

*FSAR Time OPEN _____

***FSAR Time CLOSED** _____

**Minimum accident analysis performance must be reflected in acceptance criteria if more conservative than IST Requirements.*

Test Type	Test Direction				Test Frequency			Test Procedure	Action Tracking ^ϕ	
FS	OC	CO	BOTH	NA	Q	CSD	RF		yes	no
PS	OC	CO	BOTH	NA	Q	CSD	RF		yes	no
ST	OC	CO	BOTH	NA	Q	CSD	RF		yes	no
LJ	AD	RD	BOTH	NA	Q	CSD	RF		yes	no
LT	AD	RD	BOTH	NA	Q	CSD	RF		yes	no
									yes	no

* Action Tracking must be submitted in accordance with Site Directive 4.1.1 to make scheduling changes to the Work Management System (NAS). These include changes to test frequency and/or affected procedure number.

Enclosure 9.3
Pump Data Sheet

Change Type: **Revision** **Addition** **Deletion** **Prepared By** _____

Pump Number _____ **Description** _____

EC No. / Description _____

Pump Information:

Train	A	B	C	D		
ISI Class	A	B	C	N (non code class)		
Duke Class	A	B	C	D	F G	
Program	IST	Appx. B				
ES Actuation	Yes	No				
ASG	Yes	No				
OFD	-	_____				
Pump Type	-	Centrifugal _____ P D _____ Other _____				
Pump BEP (Design Pt.)	-	_____ gpm _____ psig				
Driver RPM	-	_____ rpm				
Accident Pump Flow	-	*Minimum _____ gpm				
Accident Pump Flow	-	Nominal _____ gpm				
Delta P Required	-	_____ psid				
Minimum Flow Req.	-	_____ gpm				
TAC Sheets	-	_____				

**Minimum accident analysis performance must be reflected in acceptance criteria if more conservative than IST Requirements.*

Test Type	Test Frequency			Test Procedure	Action Tracking [♦]	
Min-Flow	Q	CSD	RF		yes	no
Full-Flow	Q	CSD	RF		yes	no
VIB	Q	CSD	RF		yes	no
					yes	no

[♦] Action Tracking must be submitted in accordance with Site Directive 4.1.1 to make scheduling changes to the Work Management System (NAS). These include changes to test frequency and/or affected procedure number.

Justification for Deferral

Item Number:

Valve:

Flow Diagram:

Code Category:

ISI Class / Duke Class:

Function:

Test Requirement:

Basis for Deferral:

Test Alternative & Frequency:

Enclosure 9.5 – IST Check Valves in Sample Disassembly or Condition Monitoring

Tag Number	Group Name	Grouping Basis
0CCW0284	0CCW-A	Only one valve in group. A similar train does not exist.
0CCW0289	0CCW-E	Only one valve in group. A similar train does not exist.
0CCW0487	0CCW-C	Only one valve in group. A similar train does not exist.
0FO-0050	0FO-A	Only one valve in group. A similar train does not exist.
1BS0014	1BS-A	Same valve, size, orientation, and system conditions.
1BS0016	1BS-B	Same valve, size, orientation, and system conditions.
1BS0019	1BS-A	Same valve, size, orientation, and system conditions.
1BS0011	1BS-B	Same valve, size, orientation, and system conditions.
1C0572	1C-B	Only one valve in group. A similar train does not exist.
1C0898	1C-A	Same valve, size, orientation, and system conditions.
1C0908	1C-A	Same valve, size, orientation, and system conditions.
1CF0011	1CF-A	Only one valve in group. A similar train does not exist.
1CF0012	1CF-B	Same valve, size, orientation, and system conditions.
1CF0013	1CF-C	Only one valve in group. A similar train does not exist.
1CF0014	1CF-B	Same valve, size, orientation, and system conditions.
1FDW0039	1FDW-B	Identical valve item number, tested using same procedure, all are in standby by no flow service at power, all see approximately same flow conditions when system is in operation.
1FDW0232	1FDW-B	
1FDW0233	1FDW-B	
1FDW0311	1FDW-C	Identical valve item number, tested using same procedure, all are in standby by no flow service at power, all see approximately same flow conditions when system is in operation.
1FDW0312	1FDW-C	
1FDW0317	1FDW-C	
1FDW0318	1FDW-B	Identical valve item number, tested using same procedure, all are in standby by no flow service at power, all see approximately same flow conditions when system is in operation.
1FDW0345	1FDW-B	
1FDW0346	1FDW-B	
1FDW0373	1FDW-B	Identical valve item number, tested using same procedure, all are in standby by no flow service at power, all see approximately same flow conditions when system is in operation.
1FDW0378	1FDW-D	Same valve, size, orientation, and system conditions.
1FDW0383	1FDW-B	Identical valve item number, tested using same procedure, all are in standby by no flow service at power, all see approximately same flow conditions when system is in operation.
1FDW0388	1FDW-D	Same valve, size, orientation, and system conditions.
1FDW0432	1FDW-B	Identical valve item number, tested using same procedure, all are in standby by no flow service at power, all see approximately same flow conditions when system is in operation.
1FDW0442	1FDW-E	Only one valve in group. A similar train does not exist.
1HP0078	1HP-J	Only one valve in group. A similar train does not exist.
1HP0097	1HP-I	Only one valve in group. A similar train does not exist.
1HP0101	1HP-E	Same valve, size, orientation, and system conditions.
1HP0102	1HP-E	Same valve, size, orientation, and system conditions.
1HP0105	1HP-C	Same valve, size, orientation, and system conditions.
1HP0109	1HP-C	Same valve, size, orientation, and system conditions.
1HP0113	1HP-C	Same valve, size, orientation, and system conditions.
1HP0188	1HP-F	Same valve, size, orientation, and system conditions.

1HP0189	1HP-D	Only one valve in group. A similar train does not exist.
1HP0194	1HP-F	Same valve, size, orientation, and system conditions.
1HP0248	1HP-B	Valves are the same manufacturer, design, and orientation
1HP0250	1HP-B	Valves are the same manufacturer, design, and orientation
1HP0252	1HP-B	Valves are the same manufacturer, design, and orientation
1HP0254	1HP-A	Only one valve in group. A similar train does not exist.
1HP0451	1HP-G	Same valve, size, orientation, and system conditions.
1HP0453	1HP-G	Same valve, size, orientation, and system conditions.
1HP0486	1HP-H	Same valve, size, orientation, and system conditions.
1HP0487	1HP-H	Same valve, size, orientation, and system conditions.
1HP0488	1HP-H	Same valve, size, orientation, and system conditions.
1HP0489	1HP-H	Same valve, size, orientation, and system conditions.
1LP0029	1LP-A	Valves are the same manufacturer, design, and orientation
1LP0030	1LP-A	Valves are the same manufacturer, design, and orientation
1LP0031	1LP-B	Valves are the same manufacturer, design, and orientation
1LP0033	1LP-B	Valves are the same manufacturer, design, and orientation
1LP0047	1LP-D	Valves are the same manufacturer, design, and orientation
1LP0048	1LP-D	Valves are the same manufacturer, design, and orientation
1LP0055	1LP-C	Valves are the same manufacturer, design, and orientation
1LP0057	1LP-C	Valves are the same manufacturer, design, and orientation
1LP0176	1LP-E	Valves are the same manufacturer, design, and orientation
1LP0177	1LP-E	Valves are the same manufacturer, design, and orientation
1LPS0148	1LPS-A	Same valve, size, orientation, and system conditions.
1LPS0151	1LPS-A	Same valve, size, orientation, and system conditions.
1LPS1111	1LPS-B	Same valve, size, orientation, and system conditions.
1LPS1116	1LPS-B	Same valve, size, orientation, and system conditions.
2BS0011	2BS-B	Same valve, size, orientation, and system conditions.
2BS0014	2BS-A	Same valve, size, orientation, and system conditions.
2BS0016	2BS-B	Same valve, size, orientation, and system conditions.
2BS0019	2BS-A	Same valve, size, orientation, and system conditions.
2C0572	2C-B	Only one valve in group. A similar train does not exist.
2C0898	2C-A	Same valve, size, orientation, and system conditions.
2C0908	2C-A	Same valve, size, orientation, and system conditions.
2CF0011	2CF-A	Only one valve in group. A similar train does not exist.
2CF0012	2CF-B	Same valve, size, orientation, and system conditions.
2CF0013	2CF-C	Only one valve in group. A similar train does not exist.
2CF0014	2CF-B	Same valve, size, orientation, and system conditions.
2FDW0039	2FDW-B	Identical valve item number, tested using same procedure, all are in standby no flow service at power, all see approximately same flow conditions when system is in operation.
2FDW0232	2FDWB	
2FDW0233	2FDW-B	
2FDW0311	2FDW-C	Identical valve item number, tested using same procedure, all are in standby no flow service at power, all see approximately same flow conditions when system is in operation.
2FDW0312	2FDW-C	
2FDW0317	2FDW-C	
2FDW0318	2FDW-B	Identical valve item number, tested using same procedure, all are in standby no flow service at power, all see approximately same flow conditions when system is in operation.
2FDW0345	2FDW-B	
2FDW0346	2FDW-B	
2FDW0373	2FDW-B	Identical valve item number, tested using same procedure, all are in

		standby by no flow service at power, all see approximately same flow conditions when system is in operation.
2FDW0378	2FDW-B	Same valve, size, orientation, and system conditions.
2FDW0383	2FDW-B	Identical valve item number, tested using same procedure, all are in standby by no flow service at power, all see approximately same flow conditions when system is in operation.
2FDW0388	2FDW-D	Same valve, size, orientation, and system conditions.
2FDW0432	2FDW-B	Identical valve item number, tested using same procedure, all are in standby by no flow service at power, all see approximately same flow conditions when system is in operation.
2FDW0442	2FDW-E	Only one valve in group. A similar train does not exist.
2HP0078	2HP-J	Only one valve in group. A similar train does not exist.
2HP0097	2HP-I	Only one valve in group. A similar train does not exist.
2HP0101	2HP-E	Same valve, size, orientation, and system conditions.
2HP0102	2HP-E	Same valve, size, orientation, and system conditions.
2HP0105	2HP-C	Same valve, size, orientation, and system conditions.
2HP0109	2HP-C	Same valve, size, orientation, and system conditions.
2HP0113	2HP-C	Same valve, size, orientation, and system conditions.
2HP0188	2HP-F	Same valve, size, orientation, and system conditions.
2HP0189	2HP-D	Only one valve in group. A similar train does not exist.
2HP0194	2HP-F	Same valve, size, orientation, and system conditions.
2HP0248	2HP-B	Valves are the same manufacturer, design, and orientation
2HP0250	2HP-B	Valves are the same manufacturer, design, and orientation
2HP0252	2HP-B	Valves are the same manufacturer, design, and orientation
2HP0451	2HP-G	Same valve, size, orientation, and system conditions.
2HP0453	2HP-G	Same valve, size, orientation, and system conditions.
2HP0486	2HP-H	Same valve, size, orientation, and system conditions.
2HP0487	2HP-H	Same valve, size, orientation, and system conditions.
2HP0488	2HP-H	Same valve, size, orientation, and system conditions.
2HP0489	2HP-H	Same valve, size, orientation, and system conditions.
2HP0494	2HP-A	Only one valve in group. A similar train does not exist.
2LP0029	2LP-A	Valves are the same manufacturer, design, and orientation
2LP0030	2LP-A	Valves are the same manufacturer, design, and orientation
2LP0031	2LP-B	Same valve, size, orientation, and system conditions.
2LP0033	2LP-B	Same valve, size, orientation, and system conditions.
2LP0047	2LP-D	Valves are the same manufacturer, design, and orientation
2LP0048	2LP-D	Valves are the same manufacturer, design, and orientation
2LP0055	2LP-C	Same valve, size, orientation, and system conditions.
2LP0057	2LP-C	Same valve, size, orientation, and system conditions.
2LP0176	2LP-E	Valves are the same manufacturer, design, and orientation
2LP0177	2LP-E	Valves are the same manufacturer, design, and orientation
2LPS0148	2LPS-A	Same valve, size, orientation, and system conditions.
2LPS0503	2LPS-A	Same valve, size, orientation, and system conditions.
2LPS1111	2LPS-B	Same valve, size, orientation, and system conditions.
2LPS1116	2LPS-B	Same valve, size, orientation, and system conditions.
3BS0011	3BS-B	Same valve, size, orientation, and system conditions.
3BS0014	3BS-A	Same valve, size, orientation, and system conditions.
3BS0016	3BS-B	Same valve, size, orientation, and system conditions.
3BS0019	3BS-A	Same valve, size, orientation, and system conditions.
3C0572	3C-B	Only one valve in group. A similar train does not exist.

3C0898	3C-A	Same valve, size, orientation, and system conditions.
3C0908	3C-A	Same valve, size, orientation, and system conditions.
3CF0011	3CF-A	Only one valve in group. A similar train does not exist.
3CF0012	3CF-B	Same valve, size, orientation, and system conditions.
3CF0013	3CF-C	Only one valve in group. A similar train does not exist.
3CF0014	3CF-B	Same valve, size, orientation, and system conditions.
3FDW0039	3FDW-B	Identical valve item number, tested using same procedure, all are in standby by no flow service at power, all see approximately same flow conditions when system is in operation.
3FDW0232	3FDW-B	
3FDW0233	3FDW-B	
3FDW0311	3FDW-C	Identical valve item number, tested using same procedure, all are in standby by no flow service at power, all see approximately same flow conditions when system is in operation.
3FDW0312	3FDW-C	
3FDW0317	3FDW-C	
3FDW0318	3FDW-B	Identical valve item number, tested using same procedure, all are in standby by no flow service at power, all see approximately same flow conditions when system is in operation.
3FDW0345	3FDW-B	
3FDW0346	3FDW-B	
3FDW0373	3FDW-B	Identical valve item number, tested using same procedure, all are in standby by no flow service at power, all see approximately same flow conditions when system is in operation.
3FDW0378	3FDW-D	Same valve, size, orientation, and system conditions.
3FDW0383	3FDW-B	Identical valve item number, tested using same procedure, all are in standby by no flow service at power, all see approximately same flow conditions when system is in operation.
3FDW0388	3FDW-D	Same valve, size, orientation, and system conditions.
3FDW0432	3FDW-B	Same valve, size, orientation, and system conditions.
3FDW0442	3FDW-E	Identical valve item number, tested using same procedure, all are in standby by no flow service at power, all see approximately same flow conditions when system is in operation.
3HP0078	3HP-J	Only one valve in group. A similar train does not exist.
3HP0097	3HP-I	Only one valve in group. A similar train does not exist.
3HP0101	3HP-E	Same valve, size, orientation, and system conditions.
3HP0102	3HP-E	Same valve, size, orientation, and system conditions.
3HP0105	3HP-C	Same valve, size, orientation, and system conditions.
3HP0109	3HP-C	Same valve, size, orientation, and system conditions.
3HP0113	3HP-C	Same valve, size, orientation, and system conditions.
3HP0188	3HP-F	Same valve, size, orientation, and system conditions.
3HP0189	3HP-D	Only one valve in group. A similar train does not exist.
3HP0194	3HP-F	Same valve, size, orientation, and system conditions.
3HP0248	3HP-B	Valves are the same manufacturer, design, and orientation
3HP0250	3HP-B	Valves are the same manufacturer, design, and orientation
3HP0252	3HP-B	Valves are the same manufacturer, design, and orientation
3HP0254	3HP-A	Only one valve in group. A similar train does not exist.
3HP0451	3HP-G	Same valve, size, orientation, and system conditions.
3HP0453	3HP-G	Same valve, size, orientation, and system conditions.
3HP0486	3HP-H	Same valve, size, orientation, and system conditions.
3HP0487	3HP-H	Same valve, size, orientation, and system conditions.

3HP0488	3HP-H	Same valve, size, orientation, and system conditions.
3HP0489	3HP-H	Same valve, size, orientation, and system conditions.
3LP0029	3LP-A	Valves are the same manufacturer, design, and orientation
3LP0030	3LP-A	Valves are the same manufacturer, design, and orientation
3LP0031	3LP-B	Same valve, size, orientation, and system conditions.
3LP0033	3LP-B	Same valve, size, orientation, and system conditions.
3LP0047	3LP-D	Same valve, size, orientation, and system conditions.
3LP0048	3LP-D	Same valve, size, orientation, and system conditions.
3LP0055	3LP-C	Valves are the same manufacturer, design, and orientation
3LP0057	3LP-C	Valves are the same manufacturer, design, and orientation
3LP0176	3LP-E	Same valve, size, orientation, and system conditions.
3LP0177	3LP-E	Same valve, size, orientation, and system conditions.
3LPS0148	3LPS-A	Same valve, size, orientation, and system conditions.
3LPS0503	3LPS-A	Same valve, size, orientation, and system conditions.
3LPS1111	3LPS-B	Same valve, size, orientation, and system conditions.
3LPS1116	3LPS-B	Same valve, size, orientation, and system conditions.
CCW0100	0CCW-B	Only one valve in group. A similar train does not exist.
CCW0312	0CCW-D	Same valve, size, orientation, and system conditions.
CCW0313	0CCW-D	Same valve, size, orientation, and system conditions.
1AS0039	1AS-B	Only one valve in group. A similar train does not exist.
1CCW0105	1CCW-A	Same valve, size, orientation, and system conditions.
1CCW0321	1CCW-A	Same valve, size, orientation, and system conditions.
1FDW0037	1FDW-A	Same valve, size, orientation, and system conditions.
1FDW0046	1FDW-A	Same valve, size, orientation, and system conditions.
1LP0035	1LP-B	Valves are the same manufacture, design, and orientation.
1LPS0502	1LPS-C	Only one valve in group. A similar train does not exist.
1MS0025	1MS-A	Same valve, size, orientation, and system conditions.
1MS0034	1MS-A	Same valve, size, orientation, and system conditions.
1MS0083	1MS-B	Same valve, size, orientation, and system conditions.
1MS0085	1MS-B	Same valve, size, orientation, and system conditions.
2AS0001	2AS-A	Same valve, size, orientation, and system conditions.
2AS0039	2AS-B	Only one valve in group. A similar train does not exist.
2CCW0113	2CCW-A	Same valve, size, orientation, and system conditions.
2CCW0152	2CCW-A	Same valve, size, orientation, and system conditions.
2FDW0037	2FDW-A	Same valve, size, orientation, and system conditions.
2FDW0046	2FDW-A	Same valve, size, orientation, and system conditions.
2LP0035	2LP-B	Same valve, size, orientation, and system conditions.
2LPS0502	2LPS-C	Only one valve in group. A similar train does not exist.
2MS0025	2MS-A	Same valve, size, orientation, and system conditions.
2MS0034	2MS-A	Same valve, size, orientation, and system conditions.
2MS0083	2MS-B	Same valve, size, orientation, and system conditions.
2MS0085	2MS-B	Same valve, size, orientation, and system conditions.
3AS0001	3AS-A	Same valve, size, orientation, and system conditions.
3AS0039	3AS-B	Only one valve in group. A similar train does not exist.
3CCW0121	3CCW-A	Same valve, size, orientation, and system conditions.
3CCW0254	3CCW-A	Same valve, size, orientation, and system conditions.
3FDW0037	3FDW-A	Same valve, size, orientation, and system conditions.
3FDW0046	3FDW-A	Same valve, size, orientation, and system conditions.

3LP0035	3LP-B	Same valve, size, orientation, and system conditions.
3LPS0502	3LPS-C	Only one valve in group. A similar train does not exist.
3MS0025	3MS-A	Same valve, size, orientation, and system conditions.
3MS0034	3MS-A	Same valve, size, orientation, and system conditions.
3MS0083	3MS-B	Same valve, size, orientation, and system conditions.
3MS0085	3MS-B	Same valve, size, orientation, and system conditions.

Enclosure 9.6 – IST Program Relief Valves

Tag Number	Group	Manufacturer	Model/Type	System Application	Service Media
0DA-0006	SSF-A	AG Crosby	Omni 800	Overpressure protection	Air
0DA-0011	SSF-A	AG Crosby	Omni 800	Overpressure protection	Air
0DA-0016	SSF-A	AG Crosby	Omni 800	Overpressure protection	Air
0DA-0021	SSF-A	AG Crosby	Omni 800	Overpressure protection	Air
0DJW-0005	SSF-B	Electro-Motive	4498-12	Overpressure protection	Water
0DJW-0006	SSF-B	Electro-Motive	4498-12	Overpressure protection	Water
0FO-0052	SSF-C	Dresser	1910-30	Overpressure protection	Fuel Oil
0SSW-0080	SSW-A	Crosby	Omni 900	Thermal	Lake water
0SSW-0081	SSW-A	Crosby	Omni 900	Thermal	Lake water
0SSW-0082	SSW-A	Crosby	Omni 900	Thermal	Lake water
0SSW-0083	SSW-A	Crosby	Omni 900	Thermal	Lake water
1CC-0168	1T	Crosby	Omni 900	Thermal	Chromated Water
1CF-0015	1A	Crosby	Omni 900	Overpressure protection	Nitrogen
1CF-0017	1A	Crosby	Omni 900	Overpressure protection	Nitrogen
1CF-0061	1Q	Crosby	Omni 900 (low pressure)	Thermal	Borated Water
1DW-0539	1S	Crosby	Omni 900	Thermal	Demin. Water
1ESV-0018	1O	Crosby	Omni 900 (o-ring seat)	Thermal	Lake water
1ESV-0019	1O	Crosby	Omni 900 (o-ring seat)	Thermal	Lake water
1FDW-0582	1R	Crosby	Omni 900	Thermal	Feedwater
1FDW-0583	1R	Crosby	Omni 900	Thermal	Feedwater
1FDW-0584	1R	Crosby	Omni 900	Thermal	Feedwater
1FDW-0585	1R	Crosby	Omni 900	Thermal	Feedwater
1HP-0079	1C	Lonergan	DB-10	Overpressure protection	Borated Water
1HP-0104	1J	AG Crosby	JRAK (low pressure)	Thermal	Borated Water
1HP-0108	1J	AG Crosby	JRAK (low pressure)	Thermal	Borated Water
1HP-0112	1J	AG Crosby	JRAK (low pressure)	Thermal	Borated Water
1HP-0404	1E	AG Crosby	JRAK (high pressure)	Overpressure protection	Borated Water
1HP-0934	1P	Crosby	Omni 900 (high pressure)	Thermal	Borated Water
1HP-0935	1P	Crosby	Omni 900 (high pressure)	Thermal	Borated Water
1HP-0936	1P	Crosby	Omni 900 (high pressure)	Thermal	Borated Water

1LP-0025	1I	AG Crosby	JRAK	Thermal	Borated Water
1LP-0026	1I	AG Crosby	JRAK	Thermal	Borated Water
1LP-0027	1I	AG Crosby	JRAK	Thermal	Borated Water
1LP-0036	1I	AG Crosby	JRAK	Thermal	Borated Water
1LP-0037	1I	AG Crosby	JRAK	Thermal	Borated Water
1LP-0195	1B	AG Crosby	JLT-JBS	Overpressure protection	Borated Water
1LP-0196	1B	AG Crosby	JLT-JBS	Overpressure protection	Borated Water
1LPS-0308	1K	AG Crosby	Omni 900 (o-ring seat)	Thermal	Lake water
1LPS-0311	1K	AG Crosby	Omni 900 (o-ring seat)	Thermal	Lake water
1LPS-0314	1K	AG Crosby	Omni 900 (o-ring seat)	Thermal	Lake water
1LPS-0317	1K	AG Crosby	Omni 900 (o-ring seat)	Thermal	Lake water
1LPS-1057	1K	AG Crosby	Omni 900 (o-ring seat)	Thermal	Lake water
1LPS-1089	1K	AG Crosby	Omni 900 (o-ring seat)	Thermal	Lake water
1LPS-1127	2K	AG Crosby	Omni 900 (o-ring seat)	Thermal	Lake Water
1LPS-1135	2K	AG Crosby	Omni 900 (o-ring seat)	Thermal	Lake Water
1MS-0001	1L	Crosby	HA-65W	Overpressure protection	Steam
1MS-0002	1L	Crosby	HA-65W	Overpressure protection	Steam
1MS-0003	1L	Crosby	HA-65W	Overpressure protection	Steam
1MS-0004	1L	Crosby	HA-65W	Overpressure protection	Steam
1MS-0005	1L	Crosby	HA-65W	Overpressure protection	Steam
1MS-0006	1L	Crosby	HA-65W	Overpressure protection	Steam
1MS-0007	1L	Crosby	HA-65W	Overpressure protection	Steam
1MS-0008	1L	Crosby	HA-65W	Overpressure protection	Steam
1MS-0009	1L	Crosby	HA-65W	Overpressure protection	Steam
1MS-0010	1L	Crosby	HA-65W	Overpressure protection	Steam
1MS-0011	1L	Crosby	HA-65W	Overpressure protection	Steam
1MS-0012	1L	Crosby	HA-65W	Overpressure protection	Steam
1MS-0013	1L	Crosby	HA-65W	Overpressure protection	Steam
1MS-0014	1L	Crosby	HA-65W	Overpressure protection	Steam
1MS-0015	1L	Crosby	HA-65W	Overpressure protection	Steam
1MS-0016	1L	Crosby	HA-65W	Overpressure protection	Steam
1MS-0092	1H	Crosby	JB-TD	Overpressure protection	Steam
1RC-0066	1N	Dresser	31533VX-30	Power Operated Relief	Steam
1RC-0067	1M	Dresser	31739A	Overpressure protection	Steam

1RC-0068	1M	Dresser	31739A	Overpressure protection	Steam
1RC-0206	1P	Crosby	Omni 900 (high pressure)	Thermal	Borated Water
1SF-0125	1Q	Crosby	Omni 900 (low pressure)	Thermal	Borated Water
1SF-0126	1Q	Crosby	Omni 900 (low pressure)	Thermal	Borated Water
1SF-0127	1Q	Crosby	Omni 900 (low pressure)	Thermal	Borated Water
1SF-0128	1Q	Crosby	Omni 900 (low pressure)	Thermal	Borated Water
1SF-0129	1Q	Crosby	Omni 900 (low pressure)	Thermal	Borated Water
1SSW-0153	SSW-A	Crosby	Omni 900	Thermal	Lake water
1SSW-0154	SSW-A	Crosby	Omni 900	Thermal	Lake water
2CC-0028	2D	Farris	26NA10-120	Overpressure protection	Chromated Water
2CC-0032	2D	Farris	26NA10-120	Overpressure protection	Chromated Water
2CC-0036	2D	Farris	26NA10-120	Overpressure protection	Chromated Water
2CC-0040	2D	Farris	26NA10-120	Overpressure protection	Chromated Water
2CC-0168	2T	Crosby	Omni 900	Thermal	Chromated Water
2CF-0015	2A	Crosby	Omni 900	Overpressure protection	Nitrogen
2CF-0017	2A	Crosby	Omni 900	Overpressure protection	Nitrogen
2CF-0061	2Q	Crosby	Omni 900 (low pressure)	Thermal	Borated Water
2DW-0539	2S	Crosby	Omni 900	Thermal	Demin. Water
2ESV-0018	2O	Crosby	Omni 900 (o-ring seat)	Thermal	Lake water
2ESV-0019	2O	Crosby	Omni 900 (o-ring seat)	Thermal	Lake water
2FDW-0582	2R	Crosby	Omni 900	Thermal	Feedwater
2FDW-0583	2R	Crosby	Omni 900	Thermal	Feedwater
2FDW-0584	2R	Crosby	Omni 900	Thermal	Feedwater
2FDW-0585	2R	Crosby	Omni 900	Thermal	Feedwater
2HP-0079	2C	Lonergan	DB-10	Overpressure protection	Borated Water
2HP-0104	2J	AG Crosby	JRAK (low pressure)	Thermal	Borated Water
2HP-0108	2J	AG Crosby	JRAK (low pressure)	Thermal	Borated Water
2HP-0112	2J	AG Crosby	JRAK (low pressure)	Thermal	Borated Water
2HP-0404	2E	AG Crosby	JRAK (high pressure)	Overpressure protection	Borated Water
2HP-0934	2P	Crosby	Omni 900 (high pressure)	Thermal	Borated Water
2HP-0935	2P	Crosby	Omni 900 (high pressure)	Thermal	Borated Water
2HP-0936	2P	Crosby	Omni 900 (high pressure)	Thermal	Borated Water
2LP-0025	2I	AG Crosby	JRAK	Thermal	Borated Water

2LP-0026	2I	AG Crosby	JRAK	Thermal	Borated Water
2LP-0027	2I	AG Crosby	JRAK	Thermal	Borated Water
2LP-0036	2I	AG Crosby	JRAK	Thermal	Borated Water
2LP-0037	2I	AG Crosby	JRAK	Thermal	Borated Water
2LP-195	2B	AG Crosby	JLT-JBS	Overpressure protection	Borated Water
2LP-196	2B	AG Crosby	JLT-JBS	Overpressure protection	Borated Water
2LPS-0308	2K	AG Crosby	Omni 900 (o-ring seat)	Thermal	Lake water
2LPS-0311	2K	AG Crosby	Omni 900 (o-ring seat)	Thermal	Lake water
2LPS-0314	2K	AG Crosby	Omni 900 (o-ring seat)	Thermal	Lake water
2LPS-0317	2K	AG Crosby	Omni 900 (o-ring seat)	Thermal	Lake water
2LPS-1057	2K	AG Crosby	Omni 900 (o-ring seat)	Thermal	Lake water
2LPS-1089	2K	AG Crosby	Omni 900 (o-ring seat)	Thermal	Lake water
2LPS-1127	2K	AG Crosby	Omni 900 (o-ring seat)	Thermal	Lake Water
2LPS-1135	2K	AG Crosby	Omni 900 (o-ring seat)	Thermal	Lake Water
2MS-0001	2L	Crosby	HA-65W	Overpressure protection	Steam
2MS-0002	2L	Crosby	HA-65W	Overpressure protection	Steam
2MS-0003	2L	Crosby	HA-65W	Overpressure protection	Steam
2MS-0004	2L	Crosby	HA-65W	Overpressure protection	Steam
2MS-0005	2L	Crosby	HA-65W	Overpressure protection	Steam
2MS-0006	2L	Crosby	HA-65W	Overpressure protection	Steam
2MS-0007	2L	Crosby	HA-65W	Overpressure protection	Steam
2MS-0008	2L	Crosby	HA-65W	Overpressure protection	Steam
2MS-0009	2L	Crosby	HA-65W	Overpressure protection	Steam
2MS-0010	2L	Crosby	HA-65W	Overpressure protection	Steam
2MS-0011	2L	Crosby	HA-65W	Overpressure protection	Steam
2MS-0012	2L	Crosby	HA-65W	Overpressure protection	Steam
2MS-0013	2L	Crosby	HA-65W	Overpressure protection	Steam
2MS-0014	2L	Crosby	HA-65W	Overpressure protection	Steam
2MS-0015	2L	Crosby	HA-65W	Overpressure protection	Steam
2MS-0016	2L	Crosby	HA-65W	Overpressure protection	Steam
2MS-0092	2H	Crosby	JB-TD	Overpressure protection	Steam
2RC-0066	2N	Dresser	31533VX-30	Power Operated Relief	Steam
2RC-0067	2M	Dresser	31739A	Overpressure protection	Steam

2RC-0068	2M	Dresser	31739A	Overpressure protection	Steam
2RC-0206	2P	Crosby	Omni 900 (high pressure)	Thermal	Borated Water
2SF-0125	2Q	Crosby	Omni 900 (low pressure)	Thermal	Borated Water
2SF-0126	2Q	Crosby	Omni 900 (low pressure)	Thermal	Borated Water
2SF-0127	2Q	Crosby	Omni 900 (low pressure)	Thermal	Borated Water
2SF-0128	2Q	Crosby	Omni 900 (low pressure)	Thermal	Borated Water
2SF-0129	2Q	Crosby	Omni 900 (low pressure)	Thermal	Borated Water
2SSW-0153	SSW-A	Crosby	Omni 900	Thermal	Lake water
2SSW-0154	SSW-A	Crosby	Omni 900	Thermal	Lake water
3CC-0028	3D	Farris	26NA10-120	Overpressure protection	Chromated Water
3CC-0032	3D	Farris	26NA10-120	Overpressure protection	Chromated Water
3CC-0036	3D	Farris	26NA10-120	Overpressure protection	Chromated Water
3CC-0040	3D	Farris	26NA10-120	Overpressure protection	Chromated Water
3CC-0168	3T	Crosby	Omni 900	Thermal	Chromated Water
3CF-0015	3A	Crosby	Omni 900	Overpressure protection	Nitrogen
3CF-0017	3A	Crosby	Omni 900	Overpressure protection	Nitrogen
3CF-0061	3Q	Crosby	Omni 900 (low pressure)	Thermal	Borated Water
3DW-0539	3S	Crosby	Omni 900	Thermal	Demin. Water
3ESV-0018	3O	Crosby	Omni 900 (o-ring seat)	Thermal	Lake water
3ESV-0019	3O	Crosby	Omni 900 (o-ring seat)	Thermal	Lake water
3FDW-0582	3R	Crosby	Omni 900	Thermal	Feedwater
3FDW-0583	3R	Crosby	Omni 900	Thermal	Feedwater
3FDW-0584	3R	Crosby	Omni 900	Thermal	Feedwater
3FDW-0585	3R	Crosby	Omni 900	Thermal	Feedwater
3HP-0079	3C	Lonergan	DB-10	Overpressure protection	Borated Water
3HP-0104	3J	AG Crosby	JRAK (low pressure)	Thermal	Borated Water
3HP-0108	3J	AG Crosby	JRAK (low pressure)	Thermal	Borated Water
3HP-0112	3J	AG Crosby	JRAK (low pressure)	Thermal	Borated Water
3HP-0404	3E	AG Crosby	JRAK (high pressure)	Overpressure protection	Borated Water
3HP-0934	3P	Crosby	Omni 900 (high pressure)	Thermal	Borated Water
3HP-0935	3P	Crosby	Omni 900 (high pressure)	Thermal	Borated Water
3HP-0936	3P	Crosby	Omni 900 (high pressure)	Thermal	Borated Water
3LP-0025	3I	AG Crosby	JRAK	Thermal	Borated Water

3LP-0026	3I	AG Crosby	JRAK	Thermal	Borated Water
3LP-0027	3I	AG Crosby	JRAK	Thermal	Borated Water
3LP-0036	3I	AG Crosby	JRAK	Thermal	Borated Water
3LP-0037	3I	AG Crosby	JRAK	Thermal	Borated Water
3LP-0100	3I	AG Crosby	JRAK	Thermal	Borated Water
3LP-0101	3I	AG Crosby	JRAK	Thermal	Borated Water
3LPS-0308	3K	AG Crosby	Omni 900 (o-ring seat)	Thermal	Lake water
3LPS-0311	3K	AG Crosby	Omni 900 (o-ring seat)	Thermal	Lake water
3LPS-0314	3K	AG Crosby	Omni 900 (o-ring seat)	Thermal	Lake water
3LPS-0317	3K	AG Crosby	Omni 900 (o-ring seat)	Thermal	Lake water
3LPS-1057	3K	AG Crosby	Omni 900 (o-ring seat)	Thermal	Lake water
3LPS-1089	3K	AG Crosby	Omni 900 (o-ring seat)	Thermal	Lake water
3LPS-1127	2K	AG Crosby	Omni 900 (o-ring seat)	Thermal	Lake Water
3LPS-1135	2K	AG Crosby	Omni 900 (o-ring seat)	Thermal	Lake Water
3MS-0001	3L	Crosby	HA-65W	Overpressure protection	Steam
3MS-0002	3L	Crosby	HA-65W	Overpressure protection	Steam
3MS-0003	3L	Crosby	HA-65W	Overpressure protection	Steam
3MS-0004	3L	Crosby	HA-65W	Overpressure protection	Steam
3MS-0005	3L	Crosby	HA-65W	Overpressure protection	Steam
3MS-0006	3L	Crosby	HA-65W	Overpressure protection	Steam
3MS-0007	3L	Crosby	HA-65W	Overpressure protection	Steam
3MS-0008	3L	Crosby	HA-65W	Overpressure protection	Steam
3MS-0009	3L	Crosby	HA-65W	Overpressure protection	Steam
3MS-0010	3L	Crosby	HA-65W	Overpressure protection	Steam
3MS-0011	3L	Crosby	HA-65W	Overpressure protection	Steam
3MS-0012	3L	Crosby	HA-65W	Overpressure protection	Steam
3MS-0013	3L	Crosby	HA-65W	Overpressure protection	Steam
3MS-0014	3L	Crosby	HA-65W	Overpressure protection	Steam
3MS-0015	3L	Crosby	HA-65W	Overpressure protection	Steam
3MS-0016	3L	Crosby	HA-65W	Overpressure protection	Steam
3MS-0092	3H	Crosby	JB-TD	Overpressure protection	Steam
3RC-0066	3N	Dresser	31533VX-30	Power Operated Relief	Steam
3RC-0067	3M	Dresser	31739A	Overpressure protection	Steam
3RC-0068	3M	Dresser	31739A	Overpressure protection	Steam

3RC-0206	3P	Crosby	Omni 900 (high pressure)	Thermal	Borated Water
3SF-0125	3Q	Crosby	Omni 900 (low pressure)	Thermal	Borated Water
3SF-0126	3Q	Crosby	Omni 900 (low pressure)	Thermal	Borated Water
3SF-0127	3Q	Crosby	Omni 900 (low pressure)	Thermal	Borated Water
3SF-0128	3Q	Crosby	Omni 900 (low pressure)	Thermal	Borated Water
3SF-0129	3Q	Crosby	Omni 900 (low pressure)	Thermal	Borated Water
3SSW-0153	SSW-A	Crosby	Omni 900	Thermal	Lake water
3SSW-0154	SSW-A	Crosby	Omni 900	Thermal	Lake water
K1AB-0017	K1A	Parker	647B-4-1/2-2	Overpressure protection	Air
K1AB-0037	K1A	Parker	647B-4-1/2-2	Overpressure protection	Air
K1AG-0006	K1B	Crosby	Omni 800	Overpressure protection	Air
K1AG-0007	K1B	Crosby	Omni 800	Overpressure protection	Air
K2AB-0027	K2A	Parker	647B-4-1/2-2	Overpressure protection	Air
K2AB-0047	K2A	Parker	647B-4-1/2-2	Overpressure protection	Air
K2AG-0006	K2B	Crosby	Omni 800	Overpressure protection	Air
K2AG-0007	K2B	Crosby	Omni 800	Overpressure protection	Air

DUKE ENERGY
OCONEE NUCLEAR STATION

Table of Abbreviations

SECTION 2.0

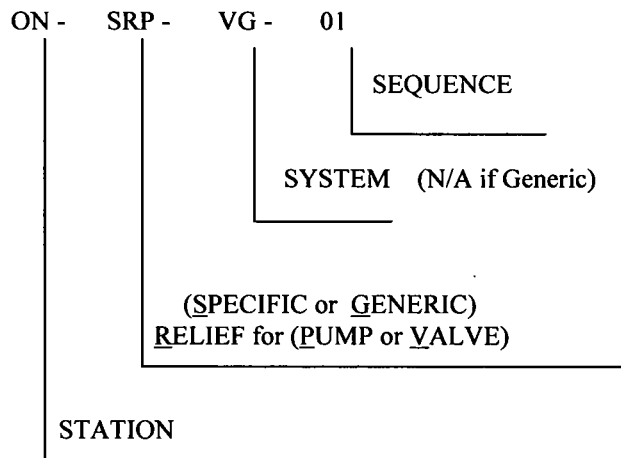
TABLE OF ABBREVIATIONS

ISI Class	Code Design Criteria	ASME XI Classification
A	ANSI B31.7, Class 1	1
B	ANSI B31.7, Class 2	2
C	ANSI B31.7, Class 3	3

Numbering Sequence for Relief Request and Justification For Deferral

Examples:

RELIEF REQUEST



JUSTIFICATION FOR DEFERRAL

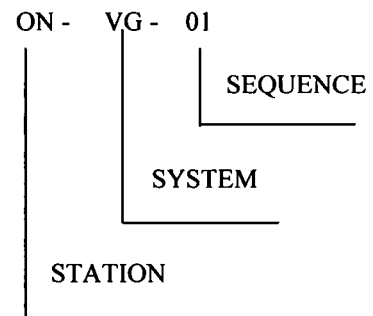


TABLE OF ABBREVIATIONS

ACTUATOR

DESIGN

	Description
AO	Air Operated
HO	Hydraulic Operated
MA	Manual
ML	Motor Operated (Limitorque)
MR	Motor Operated (Rotork)
SA	Self Actuating
SO	Solenoid

VALVE TYPE

Description

	Description
BV	Ball
BF	Butterfly
CK	Check
CV	Control
DP	Diagram
FL	Float
GL	Globe
GA	Gate
PL	Plug
RV	Relief
ST	Stop
SV	Solenoid
VB	Vacuum Breaker
3W	Three Way

ISTC VALVE CATEGORIES

Category A	Leakage is Critical
Category B	Leakage is NOT Critical
Category C	Self Actuating (Checks, Reliefs, Etc.,)

DUKE ENERGY
OCONEE NUCLEAR STATION

Pump Inservice Testing Program

SECTION 3.0

OCONEE NUCLEAR STATION

BS - BUILDING SPRAY (REACTOR)

Equipment ID	Flow Diagram	Pump Design	Pump Group	ASME Class	Relief Request	Test Plan	Frequency
1BS-PU-0001	O FD-103A-01-01	CP >= 600	B	2		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
						Comprehensive	Tested once every two years
1BS-PU-0002	O FD-103A-01-01	CP >= 600	B	2		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
						Comprehensive	Tested once every two years
2BS-PU-0001	O FD-103A-02-01	CP >= 600	B	2		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
						Comprehensive	Tested once every two years
2BS-PU-0002	O FD-103A-02-01	CP >= 600	B	2		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
						Comprehensive	Tested once every two years
3BS-PU-0001	O FD-103A-03-01	CP >= 600	B	2		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
						Comprehensive	Tested once every two years
3BS-PU-0002	O FD-103A-03-01	CP >= 600	B	2		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
						Comprehensive	Tested once every two years

OCONEE NUCLEAR STATION

CCW - CONDENSER CIRCULATING WATER

Equipment ID	Flow Diagram	Pump Design	Pump Group	ASME Class	Relief Request	Test Plan	Frequency
CCW-PU-0002	O FD-133A-02-05	CP >= 600	B	3		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
						Comprehensive	Tested once every two years
0CCW-PU-0003	O FD-133A-02-05	CP >= 600	A	3		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
						Comprehensive	Tested once every two years
0CCW-PU-0004	O FD-133A-02-05	CP >= 600	A	3		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
						Comprehensive	Tested once every two years
0CCW-PU-0005	O FD-133A-02-05	CP >= 600	B	3		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
						Comprehensive	Tested once every two years

OCONEE NUCLEAR STATION

FDW - FEEDWATER

Equipment ID	Flow Diagram	Pump Design	Pump Group	ASME Class	Relief Request	Test Plan	Frequency
1FDW-PU-0003	O FD-121D-01-01	CP >= 600	B	3		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
						Comprehensive	Tested once every two years
1FDW-PU-0004	O FD-121D-01-01	CP >= 600	B	3		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
						Comprehensive	Tested once every two years
1FDW-PU-0005	O FD-121D-01-01	CP >= 600	B	3		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
						Comprehensive	Tested once every two years
2FDW-PU-0003	O FD-121D-02-01	CP >= 600	B	3		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
						Comprehensive	Tested once every two years
2FDW-PU-0004	O FD-121D-02-01	CP >= 600	B	3		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
						Comprehensive	Tested once every two years
2FDW-PU-0005	O FD-121D-02-01	CP >= 600	B	3		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
						Comprehensive	Tested once every two years
3FDW-PU-0003	O FD-121D-03-01	CP >= 600	B	3		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly

OCONEE NUCLEAR STATION

FDW - FEEDWATER

Equipment ID	Flow Diagram	Pump Design	Pump Group	ASME Class	Relief Request	Test Plan	Frequency
						Comprehensive	Tested once every two years
3FDW-PU-0004	O FD-121D-03-01	CP >= 600	B	3		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
						Comprehensive	Tested once every two years
3FDW-PU-0005	O FD-121D-03-01	CP >= 600	B	3		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
						Comprehensive	Tested once every two years

OCONEE NUCLEAR STATION

FO - FUEL OIL

Equipment ID	Flow Diagram	Pump Design	Pump Group	ASME Class	Relief Request	Test Plan	Frequency
FO-PU-0005	O FD-135A-01-02	PDP	A	3		Flow	Tested once quarterly
						Vibration	Tested once quarterly
						Comprehensive	Tested once every two years

OCONEE NUCLEAR STATION

HPI - HIGH PRESS INJ (NON-VALVES)

Equipment ID	Flow Diagram	Pump Design	Pump Group	ASME Class	Relief Request	Test Plan	Frequency
1HPI-PU-0001	O FD-101A-01-03	VLS >= 600	A	2	ON-SRP-HPI-03	DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
						Comprehensive	Tested once every two years
1HPI-PU-0002	O FD-101A-01-03	VLS >= 600	A	2	ON-SRP-HPI-03	DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
						Comprehensive	Tested once every two years
1HPI-PU-0003	O FD-101A-01-03	VLS >= 600	A	2	ON-SRP-HPI-03	DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
						Comprehensive	Tested once every two years
1HPI-PU-0005	O FD-101A-01-05	PDP	B	2		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
						Comprehensive	Tested once every two years
2HPI-PU-0001	O FD-101A-02-03	VLS >= 600	A	2	ON-SRP-HPI-03	DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
						Comprehensive	Tested once every two years
2HPI-PU-0002	O FD-101A-02-03	VLS >= 600	A	2	ON-SRP-HPI-03	DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
						Comprehensive	Tested once every two years
2HPI-PU-0003	O FD-101A-02-03	VLS >= 600	A	2	ON-SRP-HPI-03	DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly

OCONEE NUCLEAR STATION

HPI - HIGH PRESS INJ (NON-VALVES)

Equipment ID	Flow Diagram	Pump Design	Pump Group	ASME Class	Relief Request	Test Plan	Frequency
						Comprehensive	Tested once every two years
2HPI-PU-0005	O FD-101A-02-05	PDP	B	2		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
						Comprehensive	Tested once every two years
3HPI-PU-0001	O FD-101A-03-03	VLS >= 600	A	2	ON-SRP-HPI-03	DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
						Comprehensive	Tested once every two years
3HPI-PU-0002	O FD-101A-03-03	VLS >= 600	A	2	ON-SRP-HPI-03	DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
						Comprehensive	Tested once every two years
3HPI-PU-0003	O FD-101A-03-03	VLS >= 600	A	2	ON-SRP-HPI-03	DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
						Comprehensive	Tested once every two years
3HPI-PU-0005	O FD-101A-03-05	PDP	B	2		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
						Comprehensive	Tested once every two years

OCONEE NUCLEAR STATION

LPI - LOW PRESS INJ (NON-VALVES)

Equipment ID	Flow Diagram	Pump Design	Pump Group	ASME Class	Relief Request	Test Plan	Frequency
1LPI-PU-0001	O FD-102A-01-02	CP >= 600	A	2		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
						Comprehensive	Tested once every two years
1LPI-PU-0002	O FD-102A-01-02	CP >= 600	NA	2		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
						Comprehensive	Tested once every two years
2LPI-PU-0001	O FD-102A-02-02	CP >= 600	NA	2		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
						Comprehensive	Tested once every two years
2LPI-PU-0002	O FD-102A-02-02	CP >= 600	NA	2		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
						Comprehensive	Tested once every two years
3LPI-PU-0001	O FD-102A-03-02	CP >= 600	NA	2		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
						Comprehensive	Tested once every two years
3LPI-PU-0002	O FD-102A-03-02	CP >= 600	NA	2		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
						Comprehensive	Tested once every two years

OCONEE NUCLEAR STATION

LPS - LOW PRESSURE SERVICE WATER

Equipment ID	Flow Diagram	Pump Design	Pump Group	ASME Class	Relief Request	Test Plan	Frequency
0LPSW-PU-000A	O FD-124A-01-01	CP >= 600	NA	3		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
						Comprehensive	Tested once every two years
0LPSW-PU-000B	O FD-124A-01-01	CP >= 600	NA	3		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
						Comprehensive	Tested once every two years
0LPSW-PU-000C	O FD-124A-01-01	CP >= 600	NA	3		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
						Comprehensive	Tested once every two years
3LPSW-PU-0001	O FD-124A-03-01	CP >= 600	NA	3		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
						Comprehensive	Tested once every two years
3LPSW-PU-0002	O FD-124A-03-01	CP >= 600	NA	3		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
						Comprehensive	Tested once every two years

OCONEE NUCLEAR STATION

OG - GOVERNOR OIL SYSTEM

Equipment ID	Flow Diagram	Pump Design	Pump Group	ASME Class	Relief Request	Test Plan	Frequency
K1OG-PU-001A	K FD-105A-01-01	PDP	NA	3		Pressure/Flow	Tested once quarterly
						Vibration	Tested once quarterly
						Comprehensive	Tested once every two years
K1OG-PU-001B	K FD-105A-01-01	PDP	NA	3		Pressure/Flow	Tested once quarterly
						Vibration	Tested once quarterly
						Comprehensive	Tested once every two years
K1OG-PU-001C	K FD-105A-01-01	PDP	NA	3		Pressure/Flow	Tested once quarterly
						Vibration	Tested once quarterly
						Comprehensive	Tested once every two years
K2OG-PU-002A	K FD-105A-02-01	PDP	NA	3		Pressure/Flow	Tested once quarterly
						Vibration	Tested once quarterly
						Comprehensive	Tested once every two years
K2OG-PU-002B	K FD-105A-02-01	PDP	NA	3		Pressure/Flow	Tested once quarterly
						Vibration	Tested once quarterly
						Comprehensive	Tested once every two years
K2OG-PU-002C	K FD-105A-02-01	PDP	NA	3		Pressure/Flow	Tested once quarterly
						Vibration	Tested once quarterly
						Comprehensive	Tested once every two years

DUKE ENERGY
OCONEE NUCLEAR STATION

Valve Inservice Testing Program

SECTION 4.0

OCONEE NUCLEAR STATION

AB - AIR, BREAKER SYSTEM

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1AB-13	K FD-107A-01-01	SA	Category AC	CK	Yes	NA	3			1AB-13 - Full Stroke (Closed)	Tested once quarterly
										1AB-13 - Leak Test - ASME OM (Accident Direction)	Tested once every two years
										Non-safety Direction Stroke (Open)	Tested once quarterly
1AB-14	K FD-107A-01-01	SO	Category A	3W	Yes	NA	3			1AB-14 - Leak Test - ASME OM (Accident Direction)	Tested once every two years
										Fast Acting Stroke Time (Closed to Open)	Tested once quarterly
1AB-15	K FD-107A-01-01	SO	Category A	3W	Yes	NA	3			1AB-15 - Leak Test - ASME OM (Accident Direction)	Tested once every two years
										Fast Acting Stroke Time (Closed to Open)	Tested once quarterly
1AB-17	K FD-107A-01-01	SA	Category C	RV	No	NA	3			1AB-17 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
1AB-33	K FD-107A-01-01	SA	Category AC	CK	Yes	NA	3			1AB-33 - Full Stroke (Closed)	Tested once quarterly
										1AB-33 - Leak Test - ASME OM (Accident Direction)	Tested once every two years
										Non-safety Direction Stroke (Open)	Tested once quarterly

OCONEE NUCLEAR STATION

AB - AIR, BREAKER SYSTEM

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1AB-34	K FD-107A-01-01	SO	Category A	3W	Yes	NA	3			1AB-34 - Leak Test - ASME OM (Accident Direction)	Tested once every two years
										Fast Acting Stroke Time (Closed to Open)	Tested once quarterly
1AB-35	K FD-107A-01-01	SO	Category A	3W	Yes	NA	3			1AB-35 - Leak Test - ASME OM (Accident Direction)	Tested once every two years
										Fast Acting Stroke Time (Closed to Open)	Tested once quarterly
1AB-37	K FD-107A-01-01	SA	Category C	RV	No	NA	3			1AB-37 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
2AB-23	K FD-107A-01-01	SA	Category AC	CK	Yes	NA	3			2AB-23 - Full Stroke (Closed)	Tested once quarterly
										2AB-23 - Leak Test - ASME OM (Accident Direction)	Tested once every two years
										Non-safety Direction Stroke (Open)	Tested once quarterly
2AB-24	K FD-107A-01-01	SO	Category A	3W	Yes	NA	3			2AB-24 - Leak Test - ASME OM (Accident Direction)	Tested once every two years
										Fast Acting Stroke Time (Closed to Open)	Tested once quarterly
2AB-25	K FD-107A-01-01	SO	Category A	3W	Yes	NA	3			2AB-25 - Leak Test - ASME OM (Accident Direction)	Tested once every two years

OCONEE NUCLEAR STATION

AB - AIR, BREAKER SYSTEM

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Fast Acting Stroke Time (Closed to Open)	Tested once quarterly
2AB-27	K FD-107A-01-01	SA	Category C	RV	No	NA	3			2AB-27 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
2AB-43	K FD-107A-01-01	SA	Category AC	CK	Yes	NA	3			2AB-43 - Full Stroke (Closed)	Tested once quarterly
										2AB-43 - Leak Test - ASME OM (Accident Direction)	Tested once every two years
										Non-safety Direction Stroke (Open)	Tested once quarterly
2AB-44	K FD-107A-01-01	SO	Category A	3W	Yes	NA	3			2AB-44 - Leak Test - ASME OM (Accident Direction)	Tested once every two years
										Fast Acting Stroke Time (Closed to Open)	Tested once quarterly
2AB-45	K FD-107A-01-01	SO	Category A	3W	Yes	NA	3			2AB-45 - Leak Test - ASME OM (Accident Direction)	Tested once every two years
										Fast Acting Stroke Time (Closed to Open)	Tested once quarterly
2AB-47	K FD-107A-01-01	SA	Category C	RV	No	NA	3			2AB-47 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule

OCONEE NUCLEAR STATION

AG - GOVERNOR AIR SYSTEM

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1AG-3	K FD-104A-01-01	MA	Category B	GV	Yes	NA	3			1AG-3 - Full Stroke (Closed)	Tested once quarterly
										1AG-3 - Full Stroke (Open)	Tested once quarterly
1AG-6	K FD-104A-01-01	SA	Category C	RV	No	NA	3			1AG-6 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
1AG-7	K FD-104A-01-01	SA	Category C	RV	No	NA	3			1AG-7 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
2AG-3	K FD-104A-02-01	MA	Category B	GV	Yes	NA	3			2AG-3 - Full Stroke (Closed)	Tested once quarterly
										2AG-3 - Full Stroke (Open)	Tested once quarterly
2AG-6	K FD-104A-02-01	SA	Category C	RV	No	NA	3			2AG-6 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
2AG-7	K FD-104-02-01	SA	Category C	RV	No	NA	3			2AG-7 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule

OCONEE NUCLEAR STATION

BA - BREATHING AIR

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1BA-171	O FD-137A-01-03	MA	Category A	BV	No	NA	2			1BA-171 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
1BA-172	O FD-137A-01-03	MA	Category A	BV	No	NA	2			1BA-172 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
2BA-171	O FD-137A-02-03	MA	Category A	BV	No	NA	2			2BA-171 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
2BA-172	O FD-137A-02-03	MA	Category A	BV	No	NA	2			2BA-172 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
3BA-171	O FD-137A-03-03	MA	Category A	BV	No	NA	2			3BA-171 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
3BA-172	O FD-137A-03-03	MA	Category A	BV	No	NA	2			3BA-172 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage

OCONEE NUCLEAR STATION

BS - BUILDING SPRAY (REACTOR)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1BS-1	O FD-103A-01-01	ML	Category B	GL	Yes	NA	2			1BS-1 - Stroke Time (Closed to Open)	Tested once quarterly
										1BS-1 - Position Indicator (Open)	Tested once every two years
										1BS-1 - Position Indicator (Closed)	Tested once every two years
1BS-2	O FD-103A-01-01	ML	Category B	GL	Yes	NA	2			1BS-2 - Stroke Time (Closed to Open)	Tested once quarterly
										1BS-2 - Position Indicator (Open)	Tested once every two years
										1BS-2 - Position Indicator (Closed)	Tested once every two years
1BS-3	O FD-102A-01-01	ML	Category B	GA	No	NA	2			1BS-3 - Position Indicator (Open)	Tested once every two years
										1BS-3 - Position Indicator (Closed)	Tested once every two years
1BS-4	O FD-102A-01-01	ML	Category B	GA	No	NA	2			1BS-4 - Position Indicator (Open)	Tested once every two years
										1BS-4 - Position Indicator (Closed)	Tested once every two years
1BS-11	O FD-103A-01-01	SA	Category C	CK	Yes	NA	2			Non-safety Direction Stroke (Closed)	Condition Monitoring
										Full Stroke (Open)	Condition Monitoring

OCONEE NUCLEAR STATION

BS - BUILDING SPRAY (REACTOR)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Sample Disassembly (Both)	Condition Monitoring
1BS-14	O FD-103A-01-01	SA	Category C	CK	Yes	NA	2			1BS-14 - Sample Disassembly (CIs to Opn)	Condition Monitoring
										1BS-14 - Partial Stroke (Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
1BS-16	O FD-103A-01-01	SA	Category C	CK	Yes	NA	2			Non-safety Direction Stroke (Closed)	Condition Monitoring
										Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring
1BS-19	O FD-103A-01-01	SA	Category C	CK	Yes	NA	2			1BS-19 - Sample Disassembly (CIs to Opn)	Condition Monitoring
										1BS-19 - Partial Stroke (Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
2BS-1	O FD-103A-02-01	ML	Category B	GL	Yes	NA	2			2BS-1 - Stroke Time (Closed to Open)	Tested once quarterly
										2BS-1 - Position Indicator (Open)	Tested once every two years
										2BS-1 - Position Indicator	Tested once every two

OCONEE NUCLEAR STATION

BS - BUILDING SPRAY (REACTOR)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										(Closed)	years
2BS-2	O FD-103A-02-01	ML	Category B	GL	Yes	NA	2			2BS-2 - Stroke Time (Closed to Open)	Tested once quarterly
										2BS-2 - Position Indicator (Open)	Tested once every two years
										2BS-2 - Position Indicator (Closed)	Tested once every two years
2BS-3	O FD-102A-02-01	ML	Category B	GA	No	NA	2			2BS-3 - Position Indicator (Open)	Tested once every two years
										2BS-3 - Position Indicator (Closed)	Tested once every two years
2BS-4	O FD-102A-02-01	ML	Category B	GA	No	NA	2			2BS-4 - Position Indicator (Open)	Tested once every two years
										2BS-4 - Position Indicator (Closed)	Tested once every two years
2BS-11	O FD-103A-02-01	SA	Category C	CK	Yes	NA	2			Non-safety Direction Stroke (Closed)	Condition Monitoring
										Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring
2BS-14	O FD-103A-02-01	SA	Category C	CK	Yes	NA	2			2BS-14 - Sample Disassembly (Cls to Opn)	Condition Monitoring
										2BS-14 - Partial Stroke	Condition Monitoring

OCONEE NUCLEAR STATION

BS - BUILDING SPRAY (REACTOR)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										(Open)	
										Sample Disassembly (Open to Closed)	Condition Monitoring
2BS-16	O FD-103A-02-01	SA	Category C	CK	Yes	NA	2			Non-safety Direction Stroke (Closed)	Condition Monitoring
										Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring
2BS-19	O FD-103A-02-01	SA	Category C	CK	Yes	NA	2			2BS-19 - Sample Disassembly (CIs to Opn)	Condition Monitoring
										2BS-19 - Partial Stroke (Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
3BS-1	O FD-103A-03-01	ML	Category B	GL	Yes	NA	2			3BS-1 - Stroke Time (Closed to Open)	Tested once quarterly
										3BS-1 - Position Indicator (Open)	Tested once every two years
										3BS-1 - Position Indicator (Closed)	Tested once every two years
3BS-2	O FD-103A-03-01	ML	Category B	GL	Yes	NA	2			3BS-2 - Stroke Time (Closed to Open)	Tested once quarterly
										3BS-2 - Position Indicator (Open)	Tested once every two years

OCONEE NUCLEAR STATION

BS - BUILDING SPRAY (REACTOR)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										3BS-2 - Position Indicator (Closed)	Tested once every two years
3BS-3	O FD-102A-03-01	ML	Category B	GA	No	NA	2			3BS-3 - Position Indicator (Open)	Tested once every two years
										3BS-3 - Position Indicator (Closed)	Tested once every two years
3BS-4	O FD-102A-03-01	ML	Category B	GA	No	NA	2			3BS-4 - Position Indicator (Open)	Tested once every two years
										3BS-4 - Position Indicator (Closed)	Tested once every two years
3BS-11	O FD-103A-03-01	SA	Category C	CK	Yes	NA	2			Non-safety Direction Stroke (Closed)	Condition Monitoring
										Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring
3BS-14	O FD-103A-03-01	SA	Category C	CK	Yes	NA	2			3BS-14 - Sample Disassembly (Cls to Opn)	Condition Monitoring
										3BS-14 - Partial Stroke (Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
3BS-16	O FD-103A-03-01	SA	Category C	CK	Yes	NA	2			Non-safety Direction Stroke (Closed)	Condition Monitoring

OCONEE NUCLEAR STATION

BS - BUILDING SPRAY (REACTOR)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring
3BS-19	O FD-103A-03-01	SA	Category C	CK	Yes	NA	2			3BS-19 - Sample Disassembly (Cls to Opn)	Condition Monitoring
										3BS-19 - Partial Stroke (Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring

OCONEE NUCLEAR STATION

C - CONDENSATE

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1C-156	O FD-121A-01-07	ML	Category B	GA	No	NA	3			1C-156 - Position Indicator (Open)	Tested once every two years
										1C-156 - Position Indicator (Closed)	Tested once every two years
1C-158	O FD-121A-01-07	ML	Category B	GA	No	NA	3			1C-158 - Position Indicator (Open)	Tested once every two years
										1C-158 - Position Indicator (Closed)	Tested once every two years
1C-160	O FD-121A-01-08	ML	Category B	GA	No	NA	3			1C-160 - Position Indicator (Open)	Tested once every two years
										1C-160 - Position Indicator (Closed)	Tested once every two years
1C-391	O FD-121A-01-08	ML	Category B	GA	No	NA	3			1C-391 - Position Indicator (Open)	Tested once every two years
										1C-391 - Position Indicator (Closed)	Tested once every two years
1C-572	O FD-121A-01-08	SA	Category C	CK	Yes	NA	3			1C-572 - Full Stroke (Open)	Condition Monitoring
										1C-572 - Partial Stroke (Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring

OCONEE NUCLEAR STATION

C - CONDENSATE

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1C-573	O FD-121A-01-08	MA	Category B	GA	Yes	NA	3		ON-C01	1C-573 - Full Stroke (Closed)	Tested every cold shutdown
1C-850	O FD-121A-01-08	SA	Category C	CK	Yes	NA	3		ON-C03	1C-850 - Full Stroke (Open)	Tested every cold shutdown
										1C-850 - Full Stroke (Closed)	Tested every cold shutdown
1C-852	O FD-121A-01-08	SA	Category C	CK	Yes	NA	3		ON-C03	1C-852 - Full Stroke (Open)	Tested every cold shutdown
										1C-852 - Full Stroke (Closed)	Tested every cold shutdown
1C-898	O FD-121A-01-07	SA	Category C	CK	Yes		2			Full Stroke (Closed)	Condition Monitoring
										Partial Stroke (Open)	Condition Monitoring
										Leak Test - ASME OM (Accident Direction)	Tested once every two years
										Sample Disassembly (Both)	Condition Monitoring
1C-903	O FD-121A-01-08	AO	Category B	BF	Yes		3			Position Indicator (Open)	Tested once every two years
										Position Indicator (Closed)	Tested once every two years
										Stroke Time (Open to Closed)	Tested once quarterly

OCONEE NUCLEAR STATION

C - CONDENSATE

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1C-904	O FD-121A-01-08	AO	Category B	BF	Yes		3			Position Indicator (Open)	Tested once every two years
										Position Indicator (Closed)	Tested once every two years
										Stroke Time (Open to Closed)	Tested once quarterly
1C-906	O FD-121A-01-07	AO	Category B	BF	Yes		3			Position Indicator (Open)	Tested once every two years
										Position Indicator (Closed)	Tested once every two years
										Stroke Time (Open to Closed)	Tested once quarterly
1C-907	O FD-121A-01-07	AO	Category B	BF	Yes		3			Position Indicator (Open)	Tested once every two years
										Position Indicator (Closed)	Tested once every two years
										Stroke Time (Open to Closed)	Tested once quarterly
1C-908	O FD-121A-01-07	SA	Category C	CK	Yes		2			Full Stroke (Closed)	Condition Monitoring
										Partial Stroke (Open)	Condition Monitoring
										Leak Test - ASME OM (Accident Direction)	Tested once every two years
										Sample Disassembly	Condition Monitoring

OCONEE NUCLEAR STATION

C - CONDENSATE

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										(Both)	
2C-156	O FD-121A-02-07	ML	Category B	GA	No	NA	2			2C-156 - Position Indicator (Open)	Tested once every two years
										2C-156 - Position Indicator (Closed)	Tested once every two years
2C-158	O FD-121A-02-07	ML	Category B	GA	No	NA	3			2C-158 - Position Indicator (Open)	Tested once every two years
										2C-158 - Position Indicator (Closed)	Tested once every two years
2C-160	O FD-121A-02-08	ML	Category B	GA	No	NA	3			2C-160 - Position Indicator (Open)	Tested once every two years
										2C-160 - Position Indicator (Closed)	Tested once every two years
2C-391	O FD-121A-02-08	ML	Category B	GA	No	NA	3			2C-391 - Position Indicator (Open)	Tested once every two years
										2C-391 - Position Indicator (Closed)	Tested once every two years
2C-572	O FD-121A-02-08	SA	Category C	CK	Yes	NA	3			2C-572 - Full Stroke (Open)	Condition Monitoring
										2C-572 - Partial Stroke (Open)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring

OCONEE NUCLEAR STATION

C - CONDENSATE

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Sample Disassembly (Open to Closed)	Condition Monitoring
2C-573	O FD-121A-02-08	MA	Category B	GA	Yes	NA	3		ON-C01	2C-573 - Full Stroke (Closed)	Tested every cold shutdown
2C-850	O FD-121A-02-08	SA	Category C	CK	Yes	NA	3		ON-C03	2C-850 - Full Stroke (Open)	Tested every cold shutdown
										2C-850 - Full Stroke (Closed)	Tested every cold shutdown
2C-852	O FD-121A-02-08	SA	Category C	CK	Yes	NA	3		ON-C03	2C-852 - Full Stroke (Open)	Tested every cold shutdown
										2C-852 - Full Stroke (Closed)	Tested every cold shutdown
2C-898	O FD-121A-02-07	SA	Category C	CK	Yes		2			Full Stroke (Closed)	Condition Monitoring
										Partial Stroke (Open)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring
2C-903	O FD-121A-02-08	AO	Category B	BF	Yes		3			Stroke Time (Open to Closed)	Tested once quarterly
										Position Indicator (Closed)	Tested once every two years
										Position Indicator (Open)	Tested once every two years

OCONEE NUCLEAR STATION

C - CONDENSATE

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
2C-904	O FD-121A-02-08	AO	Category B	BF	Yes		3			Stroke Time (Open to Closed)	Tested once quarterly
										Position Indicator (Closed)	Tested once every two years
										Position Indicator (Open)	Tested once every two years
2C-906	O FD-121A-02-07	AO	Category B	BF	Yes		3			Fast Acting Stroke Time (Open to Closed)	Tested once quarterly
										Position Indicator (Closed)	Tested once every two years
										Position Indicator (Open)	Tested once every two years
2C-907	O FD-121A-02-07	AO	Category B	BF	Yes		3			Fast Acting Stroke Time (Open to Closed)	Tested once quarterly
										Position Indicator (Closed)	Tested once every two years
										Position Indicator (Open)	Tested once every two years
2C-908	O FD-121A-02-07	SA	Category C	CK	Yes		2			Full Stroke (Closed)	Condition Monitoring
										Partial Stroke (Open)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring
3C-156	O FD-121A-03-07	ML	Category B	GA	No	NA	2			3C-156 - Position	Tested once every two

OCONEE NUCLEAR STATION

C - CONDENSATE

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Indicator (Open)	years
										3C-156 - Position Indicator (Closed)	Tested once every two years
3C-158	O FD-121A-03-07	ML	Category B	GA	No	NA	3			3C-158 - Position Indicator (Open)	Tested once every two years
										3C-158 - Position Indicator (Closed)	Tested once every two years
3C-160	O FD-121A-03-08	ML	Category B	GA	No	NA	3			3C-160 - Position Indicator (Open)	Tested once every two years
										3C-160 - Position Indicator (Closed)	Tested once every two years
3C-391	O FD-121A-03-08	ML	Category B	GA	No	NA	3			3C-391 - Position Indicator (Open)	Tested once every two years
										3C-391 - Position Indicator (Closed)	Tested once every two years
3C-572	O FD-121A-03-08	SA	Category C	CK	Yes	NA	3			3C-572 - Full Stroke (Open)	Condition Monitoring
										3C-572 - Partial Stroke (Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
3C-573	O FD-121A-03-08	MA	Category B	GA	Yes	NA	3		ON-C01	3C-573 - Full Stroke	Tested every cold

OCONEE NUCLEAR STATION

C - CONDENSATE

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										(Closed)	shutdown
3C-850	O FD-121A-03-08	SA	Category C	CK	Yes	NA	3		ON-C03	3C-850 - Full Stroke (Open)	Tested every cold shutdown
										3C-850 - Full Stroke (Closed)	Tested every cold shutdown
3C-852	O FD-121A-03-08	SA	Category C	CK	Yes	NA	3		ON-C03	3C-852 - Full Stroke (Open)	Tested every cold shutdown
										3C-852 - Full Stroke (Closed)	Tested every cold shutdown
3C-898	O FD-121A-03-07	SA	Category C	CK	Yes		2			Full Stroke (Closed)	Condition Monitoring
										Partial Stroke (Open)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring
3C-903	O FD-121A-03-08	AO	Category B	BF	Yes		3			Stroke Time (Open to Closed)	Tested once quarterly
										3C-903 - Position Indicator (Closed)	Tested once every two years
										3C-903 - Position Indicator (Open)	Tested once every two years
3C-904	O FD-121A-03-08	AO	Category B	BF	Yes		3			Stroke Time (Open to Closed)	Tested once quarterly
										3C-904 - Position	Tested once every two

OCONEE NUCLEAR STATION

C - CONDENSATE

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Indicator (Closed)	years
										3C-904 - Position Indicator (Open)	Tested once every two years
3C-906	O FD-121A-03-07	AO	Category B	BF	Yes		3			Stroke Time (Open to Closed)	Tested once quarterly
										3C-906 - Position Indicator (Closed)	Tested once every two years
										3C-906 - Position Indicator (Open)	Tested once every two years
3C-907	O FD-121A-03-07	AO	Category B	BF	Yes		3			Stroke Time (Open to Closed)	Tested once quarterly
										3C-907 - Position Indicator (Closed)	Tested once every two years
										3C-907 - Position Indicator (Open)	Tested once every two years
3C-908	O FD-121A-03-07	SA	Category C	CK	Yes		2			Full Stroke (Closed)	Condition Monitoring
										Partial Stroke (Open)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring

OCONEE NUCLEAR STATION

CA - CHEMICAL ADDITION

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1CA-27	O FD-127B-01-02	MA	Category A	GL	No	NA	2			1CA-27 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										1CA-27 - Full Stroke (Open)	Tested once quarterly
										1CA-27 - Full Stroke (Closed)	Tested once quarterly
1CA-29	O FD-127B-01-02	MA	Category A	GL	No	NA	2			1CA-29 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										1CA-29 - Full Stroke (Open)	Tested once quarterly
										1CA-29 - Full Stroke (Closed)	Tested once quarterly
2CA-27	O FD-127B-02-02	MA	Category A	GA	No	NA	2			2CA-27 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										2CA-27 - Full Stroke (Open)	Tested once quarterly
										2CA-27 - Full Stroke (Closed)	Tested once quarterly
2CA-29	O FD-127B-02-02	MA	Category A	GA	No	NA	2			2CA-29 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										2CA-29 - Full Stroke (Open)	Tested once quarterly
										2CA-29 - Full Stroke (Closed)	Tested once quarterly

OCONEE NUCLEAR STATION

CA - CHEMICAL ADDITION

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
3CA-27	O FD-127B-03-02	MA	Category A	GL	No	NA	2			3CA-27 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										3CA-27 - Full Stroke (Open)	Tested once quarterly
										3CA-27 - Full Stroke (Closed)	Tested once quarterly
3CA-29	O FD-127B-03-02	MA	Category A	GL	No	NA	2			3CA-29 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										3CA-29 - Full Stroke (Open)	Tested once quarterly
										3CA-29 - Full Stroke (Closed)	Tested once quarterly

OCONEE NUCLEAR STATION

CC - COMPONENT COOLING

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1CC-7	O FD-144A-01-02	ML	Category A	BF	Yes	NA	2		ON-CC01	1CC-7 - Stroke Time (Opn to Cls)	Tested every cold shutdown
										1CC-7 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
										1CC-7 - Position Indicator (Open)	Tested once every two years
										1CC-7 - Position Indicator (Closed)	Tested once every two years
1CC-8	O FD-144A-01-02	AO	Category A	BF	Yes	NA	2		ON-CC01	1CC-8 - Fast Acting Stroke Time (Opn to Cls)	Tested every cold shutdown
										1CC-8 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										1CC-8 - Position Indicator (Open)	Tested once every two years
										1CC-8 - Position Indicator (Closed)	Tested once every two years
1CC-20	O FD-144A-01-02	SA	Category AC	CK	Yes	NA	2		ON-CC02	1CC-20 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										1CC-20 - Full Stroke (Closed)	Tested every refueling outage
										Non-safety Direction Stroke (Open)	Tested every refueling outage
1CC-24	O FD-144A-01-02	SA	Category AC	CK	Yes	NA	2		ON-CC02	1CC-24 - Leak Test - Appendix J (Accident	Tested every refueling outage

OCONEE NUCLEAR STATION

CC - COMPONENT COOLING

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Direction)	
										1CC-24 - Full Stroke (Closed)	Tested every refueling outage
										Non-safety Direction Stroke (Open)	Tested every refueling outage
1CC-76	O FD-144A-01-03	SA	Category AC	CK	Yes	NA	2		ON-CC02	1CC-76 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										1CC-76 - Full Stroke (Closed)	Tested every refueling outage
										Non-safety Direction Stroke (Open)	Tested every refueling outage
1CC-77	O FD-144A-01-03	SA	Category AC	CK	Yes	NA	2		ON-CC02	1CC-77 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										1CC-77 - Full Stroke (Closed)	Tested every refueling outage
										Non-safety Direction Stroke (Open)	Tested every refueling outage
1CC-168	O FD-144A-01-02	SA	Category AC	RV	Yes	NA	2			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
										Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
2CC-7	O FD-144A-02-02	ML	Category A	BF	Yes	NA	2		ON-CC01	2CC-7 - Stroke Time (Opn to CIs)	Tested every cold shutdown
										2CC-7 - Leak Test - Appendix J (Reverse	Tested every refueling

OCONEE NUCLEAR STATION

CC - COMPONENT COOLING

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Direction)	outage
										2CC-7 - Position Indicator (Open)	Tested once every two years
										2CC-7 - Position Indicator (Closed)	Tested once every two years
2CC-8	O FD-144A-02-02	AO	Category A	BF	Yes	NA	2		ON-CC01	2CC-8 - Leak Test - Appendix J (Accident Direction	Tested every refueling outage
										2CC-8 - Position Indicator (Open)	Tested once every two years
										2CC-8 - Position Indicator (Closed)	Tested once every two years
										Fast Acting Stroke Time (Open to Closed)	Tested every cold shutdown
										Stroke Time (Open to Closed)	Tested every cold shutdown
2CC-20	O FD-144A-02-02	SA	Category AC	CK	Yes	NA	2		ON-CC02	2CC-20 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										2CC-20 - Full Stroke (Closed)	Tested every refueling outage
										Non-safety Direction Stroke (Open)	Tested every refueling outage
2CC-24	O FD-144A-02-02	SA	Category AC	CK	Yes	NA	2		ON-CC02	2CC-24 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										2CC-24 - Full Stroke (Closed)	Tested every refueling outage

OCONEE NUCLEAR STATION

CC - COMPONENT COOLING

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Non-safety Direction Stroke (Open)	Tested every refueling outage
2CC-28	O FD-144A-02-02	SA	Category C	RV	No	NA	3			2CC-28 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
2CC-32	O FD-144A-02-02	SA	Category C	RV	No	NA	3			2CC-32 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
2CC-36	O FD-144A-02-02	SA	Category C	RV	No	NA	3			2CC-36 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
2CC-40	O FD-144A-02-02	SA	Category C	RV	No	NA	3			2CC-40 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
2CC-76	O FD-144A-02-03	SA	Category AC	CK	Yes	NA	2		ON-CC02	2CC-76 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										2CC-76 - Full Stroke (Closed)	Tested every refueling outage
										Non-safety Direction Stroke (Open)	Tested every refueling outage
2CC-77	O FD-144A-02-03	SA	Category AC	CK	Yes	NA	2		ON-CC02	2CC-77 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										2CC-77 - Full Stroke (Closed)	Tested every refueling outage
										Non-safety Direction Stroke (Open)	Tested every refueling outage
2CC-168	O FD-144A-02-02	SA	Category AC	RV	Yes	NA	2			Relief Valve Test	Test relief valve per

OCONEE NUCLEAR STATION

CC - COMPONENT COOLING

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										(Closed to Open)	OM-1 schedule
										Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
3CC-7	O FD-144A-03-02	ML	Category A	BF	Yes	NA	2		ON-CC01	3CC-7 - Stroke Time (Opn to Cls)	Tested every cold shutdown
										3CC-7 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
										3CC-7 - Position Indicator (Open)	Tested once every two years
										3CC-7 - Position Indicator (Closed)	Tested once every two years
3CC-8	O FD-144A-03-02	AO	Category A	BF	Yes	NA	2		ON-CC01	3CC-8 - Stroke Time (Opn to Cls)	Tested every cold shutdown
										3CC-8 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										3CC-8 - Position Indicator (Open)	Tested once every two years
										3CC-8 - Position Indicator (Closed)	Tested once every two years
3CC-20	O FD-144A-03-02	SA	Category AC	CK	Yes	NA	2		ON-CC02	3CC-20 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										3CC-20 - Full Stroke (Closed)	Tested every refueling outage

OCONEE NUCLEAR STATION

CC - COMPONENT COOLING

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Non-safety Direction Stroke (Open)	Tested every refueling outage
3CC-24	O FD-144A-03-02	SA	Category AC	CK	Yes	NA	2		ON-CC02	3CC-24 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										3CC-24 - Full Stroke (Closed)	Tested every refueling outage
										Non-safety Direction Stroke (Open)	Tested every refueling outage
3CC-28	O FD-144A-03-02	SA	Category C	RV	No	NA	3			3CC-28 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
3CC-32	O FD-144A-03-02	SA	Category C	RV	No	NA	3			3CC-32 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
3CC-36	O FD-144A-03-02	SA	Category C	RV	No	NA	3			3CC-36 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
3CC-40	O FD-144A-03-02	SA	Category C	RV	No	NA	3			3CC-40 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
3CC-76	O FD-144A-03-03	SA	Category AC	CK	Yes	NA	2		ON-CC02	3CC-76 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										3CC-76 - Full Stroke (Closed)	Tested every refueling outage
										Non-safety Direction Stroke (Open)	Tested every refueling outage
3CC-77	O FD-144A-03-03	SA	Category AC	CK	Yes	NA	2		ON-CC02	3CC-77 - Leak Test - Appendix J (Accident	Tested every refueling

OCONEE NUCLEAR STATION

CC - COMPONENT COOLING

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Direction)	outage
										3CC-77 - Full Stroke (Closed)	Tested every refueling outage
										Non-safety Direction Stroke (Open)	Tested every refueling outage
3CC-168	O FD-144A-03-02	SA	Category AC	RV	Yes	NA	2			Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
										Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule

OCONEE NUCLEAR STATION

CCW - CONDENSER CIRCULATING WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
CCW-267	O FD-133A-02-05	MA	Category B	GL	Yes	NA	3			CCW-267 - Full Stroke (Open)	Tested once quarterly
										CCW-267 - Full Stroke (Closed)	Tested once quarterly
CCW-271	O FD-133A-02-05	SA	Category C	CK	Yes	NA	3			CCW-271 - Full Stroke (Open)	Tested once quarterly
										Non-safety Direction Stroke (Closed)	Tested once quarterly
CCW-274	O FD-133A-02-05	SA	Category C	CK	Yes	NA	3			CCW-274 - Full Stroke (Open)	Tested once quarterly
										Non-safety Direction Stroke (Closed)	Tested once quarterly
CCW-284	O FD-133A-02-05	SA	Category C	CK	Yes	NA	3			CCW-284 - Full Stroke (Open)	Condition Monitoring
										Non-safety Direction Stroke (Closed)	Condition Monitoring
CCW-285	O FD-133A-02-05	MA	Category B	GL	Yes	NA	3			Full Stroke (Open)	Tested once quarterly
										Full Stroke (Closed)	Tested once quarterly
CCW-286	O FD-133A-02-05	MA	Category B	GA	Yes	NA	3			CCW-286 - Full Stroke (Open)	Tested once quarterly
										CCW-286 - Full Stroke (Closed)	Tested once quarterly

OCONEE NUCLEAR STATION

CCW - CONDENSER CIRCULATING WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
CCW-289	O FD-133A-02-05	SA	Category C	CK	Yes	NA	3			CCW-289 - Full Stroke (Open)	Condition Monitoring
										Non-safety Direction Stroke (Closed)	Condition Monitoring
CCW-384	O FD-133A-02-05	MA	Category B	GA	Yes	NA	3			CCW-384 - Full Stroke (Open)	Tested once quarterly
										CCW-384 - Full Stroke (Closed)	Tested once quarterly
CCW-487	O FD-133A-01-01	SA	Category C	CK	Yes	NA	3			Full Stroke (Closed)	Condition Monitoring
										Full Stroke (Open)	Condition Monitoring
										Leak Test - ASME OM (Accident Direction)	Tested once every two years
1CCW-10	O FD-133A-01-01	ML	Category B	BF	Yes	NA	3			1CCW-10 - Stroke Time (Open to Closed)	Tested once quarterly
										1CCW-10 - Stroke Time (Closed to Open)	Tested once quarterly
										1CCW-10 - Position Indicator (Open)	Tested once every two years
										1CCW-10 - Position Indicator (Closed)	Tested once every two years
1CCW-11	O FD-133A-01-01	ML	Category B	BF	Yes	NA	3			1CCW-11 - Stroke Time (Open to Closed)	Tested once quarterly

OCONEE NUCLEAR STATION

CCW - CONDENSER CIRCULATING WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										1CCW-11 - Stroke Time (Closed to Open)	Tested once quarterly
										1CCW-11 - Position Indicator (Open)	Tested once every two years
										1CCW-11 - Position Indicator (Closed)	Tested once every two years
1CCW-12	O FD-133A-01-01	ML	Category B	BF	Yes	NA	3			1CCW-12 - Stroke Time (Open to Closed)	Tested once quarterly
										1CCW-12 - Stroke Time (Closed to Open)	Tested once quarterly
										1CCW-12 - Position Indicator (Open)	Tested once every two years
										1CCW-12 - Position Indicator (Closed)	Tested once every two years
1CCW-13	O FD-133A-01-01	ML	Category B	BF	Yes	NA	3			1CCW-13 - Stroke Time (Open to Closed)	Tested once quarterly
										1CCW-13 - Stroke Time (Closed to Open)	Tested once quarterly
										1CCW-13 - Position Indicator (Open)	Tested once every two years
										1CCW-13 - Position Indicator (Closed)	Tested once every two years
1CCW-268	O FD-133A-02-05	MR	Category B	GL	Yes	NA	3			1CCW-268 - Stroke Time (Open to Closed)	Tested once quarterly
										1CCW-268 - Stroke	Tested once quarterly

OCONEE NUCLEAR STATION

CCW - CONDENSER CIRCULATING WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Time (Closed to Open)	
										1CCW-268 - Position Indicator (Open)	Tested once every two years
										1CCW-268 - Position Indicator (Closed)	Tested once every two years
1CCW-269	O FD-121D-01-01	MR	Category B	GL	Yes	NA	2		ON-SSF01	1CCW-269 - Stroke Time (Open to Closed)	Tested every cold shutdown
										1CCW-269 - Stroke Time (Closed to Open)	Tested every cold shutdown
										1CCW-269 - Position Indicator (Open)	Tested once every two years
										1CCW-269 - Position Indicator (Closed)	Tested once every two years
1CCW-287	O FD-133A-02-05	MR	Category B	GA	Yes	NA	3			1CCW-287 - Stroke Time (Open to Closed)	Tested once quarterly
										1CCW-287 - Stroke Time (Closed to Open)	Tested once quarterly
										1CCW-287 - Position Indicator (Open)	Tested once every two years
										1CCW-287 - Position Indicator (Closed)	Tested once every two years
1CCW-410	O FD-133A-02-05	MA	Category B	GL	Yes	NA	3			Full Stroke (Open)	Tested once quarterly
										Full Stroke (Closed)	Tested once quarterly

OCONEE NUCLEAR STATION

CCW - CONDENSER CIRCULATING WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
2CCW-10	O FD-133A-02-01	ML	Category B	BF	Yes	NA	3			2CCW-10 - Stroke Time (Open to Closed)	Tested once quarterly
										2CCW-10 - Stroke Time (Closed to Open)	Tested once quarterly
										2CCW-10 - Position Indicator (Open)	Tested once every two years
										2CCW-10 - Position Indicator (Closed)	Tested once every two years
2CCW-11	O FD-133A-02-01	ML	Category B	BF	Yes	NA	3			2CCW-11 - Stroke Time (Open to Closed)	Tested once quarterly
										2CCW-11 - Stroke Time (Closed to Open)	Tested once quarterly
										2CCW-11 - Position Indicator (Open)	Tested once every two years
										2CCW-11 - Position Indicator (Closed)	Tested once every two years
2CCW-12	O FD-133A-02-01	ML	Category B	BF	Yes	NA	3			2CCW-12 - Stroke Time (Open to Closed)	Tested once quarterly
										2CCW-12 - Stroke Time (Closed to Open)	Tested once quarterly
										2CCW-12 - Position Indicator (Open)	Tested once every two years
										2CCW-12 - Position Indicator (Closed)	Tested once every two years
2CCW-13	O FD-133A-02-01	ML	Category B	BF	Yes	NA	3			2CCW-13 - Stroke Time	Tested once quarterly

OCONEE NUCLEAR STATION

CCW - CONDENSER CIRCULATING WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										(Open to Closed)	
										2CCW-13 - Stroke Time (Closed to Open)	Tested once quarterly
										2CCW-13 - Position Indicator (Open)	Tested once every two years
										2CCW-13 - Position Indicator (Closed)	Tested once every two years
2CCW-26	O FD-133A-02-01	MA	Category B	BF	Yes	NA	3			2CCW-26 - Full Stroke (Open)	Tested once quarterly
2CCW-28	O FD-133A-02-01	MA	Category B	BF	Yes	NA	3			2CCW-28 - Full Stroke (Open)	Tested once quarterly
2CCW-268	O FD-133A-02-05	MR	Category B	GL	Yes	NA	3			2CCW-268 - Stroke Time (Open to Closed)	Tested once quarterly
										2CCW-268 - Stroke Time (Closed to Open)	Tested once quarterly
										2CCW-268 - Position Indicator (Open)	Tested once every two years
										2CCW-268 - Position Indicator (Closed)	Tested once every two years
2CCW-269	O FD-121D-02-01	MR	Category B	GL	Yes	NA	2		ON-SSF01	2CCW-269 - Stroke Time (Open to Closed)	Tested every cold shutdown
										2CCW-269 - Stroke Time (Closed to Open)	Tested every cold shutdown
										2CCW-269 - Position	Tested once every two

OCONEE NUCLEAR STATION

CCW - CONDENSER CIRCULATING WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Indicator (Open)	years
										2CCW-269 - Position Indicator (Closed)	Tested once every two years
2CCW-287	O FD-133A-02-05	MR	Category B	GA	Yes	NA	3			2CCW-287 - Stroke Time (Open to Closed)	Tested once quarterly
										2CCW-287 - Stroke Time (Closed to Open)	Tested once quarterly
										2CCW-287 - Position Indicator (Open)	Tested once every two years
										2CCW-287 - Position Indicator (Closed)	Tested once every two years
2CCW-410	O FD-133A-02-05	MA	Category B	GL	Yes	NA	3			Full Stroke (Open)	Tested once quarterly
										Full Stroke (Closed)	Tested once quarterly
3CCW-10	O FD-133A-03-01	ML	Category B	BF	Yes	NA	3			3CCW-10 - Stroke Time (Open to Closed)	Tested once quarterly
										3CCW-10 - Stroke Time (Closed to Open)	Tested once quarterly
										3CCW-10 - Position Indicator (Open)	Tested once every two years
										3CCW-10 - Position Indicator (Closed)	Tested once every two years
3CCW-11	O FD-133A-03-01	ML	Category B	BF	Yes	NA	3			3CCW-11 - Stroke Time (Open to Closed)	Tested once quarterly

OCONEE NUCLEAR STATION

CCW - CONDENSER CIRCULATING WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										3CCW-11 - Stroke Time (Closed to Open)	Tested once quarterly
										3CCW-11 - Position Indicator (Open)	Tested once every two years
										3CCW-11 - Position Indicator (Closed)	Tested once every two years
3CCW-12	O FD-133A-03-01	ML	Category B	BF	Yes	NA	3			3CCW-12 - Stroke Time (Open to Closed)	Tested once quarterly
										3CCW-12 - Stroke Time (Closed to Open)	Tested once quarterly
										3CCW-12 - Position Indicator (Open)	Tested once every two years
										3CCW-12 - Position Indicator (Closed)	Tested once every two years
3CCW-13	O FD-133A-03-01	ML	Category B	BF	Yes	NA	3			3CCW-13 - Stroke Time (Open to Closed)	Tested once quarterly
										3CCW-13 - Stroke Time (Closed to Open)	Tested once quarterly
										3CCW-13 - Position Indicator (Open)	Tested once every two years
										3CCW-13 - Position Indicator (Closed)	Tested once every two years
3CCW-268	O FD-133A-02-05	MR	Category B	GL	Yes	NA	3			3CCW-268 - Stroke Time (Open to Closed)	Tested once quarterly
										3CCW-268 - Stroke	Tested once quarterly

OCONEE NUCLEAR STATION

CCW - CONDENSER CIRCULATING WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Time (Closed to Open)	
										3CCW-268 - Position Indicator (Open)	Tested once every two years
										3CCW-268 - Position Indicator (Closed)	Tested once every two years
3CCW-269	O FD-121D-03-01	MR	Category B	GL	Yes	NA	2		ON-SSF01	3CCW-269 - Stroke Time (Open to Closed)	Tested every cold shutdown
										3CCW-269 - Stroke Time (Closed to Open)	Tested every cold shutdown
										3CCW-269 - Position Indicator (Open)	Tested once every two years
										3CCW-269 - Position Indicator (Closed)	Tested once every two years
3CCW-287	O FD-133A-02-05	MR	Category B	GA	Yes	NA	3			3CCW-287 - Stroke Time (Open to Closed)	Tested once quarterly
										3CCW-287 - Stroke Time (Closed to Open)	Tested once quarterly
										3CCW-287 - Position Indicator (Open)	Tested once every two years
										3CCW-287 - Position Indicator (Closed)	Tested once every two years
3CCW-410	O FD-133A-02-05	MA	Category B	GL	Yes	NA	3			Full Stroke (Open)	Tested once quarterly
										Full Stroke (Closed)	Tested once quarterly

OCONEE NUCLEAR STATION

CCW - CONDENSER CIRCULATING WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency

OCONEE NUCLEAR STATION

CF - CORE FLOOD

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1CF-1	O FD-102A-01-03	ML	Category B	GA	No	NA	2			1CF-1 - Position Indicator (Open)	Tested once every two years
										1CF-1 - Position Indicator (Closed)	Tested once every two years
1CF-2	O FD-102A-01-03	ML	Category B	GA	No	NA	2			1CF-2 - Position Indicator (Open)	Tested once every two years
										1CF-2 - Position Indicator (Closed)	Tested once every two years
1CF-3	O FD-102A-01-03	ML	Category B	GA	Yes	NA	2			1CF-3 - Stroke Time (Opn to Cls)	Tested once quarterly
										1CF-3 - Position Indicator (Open)	Tested once every two years
										1CF-3 - Position Indicator (Closed)	Tested once every two years
1CF-4	O FD-102A-01-03	ML	Category B	GA	Yes	NA	2			1CF-4 - Stroke Time (Opn to Cls)	Tested once quarterly
										1CF-4 - Position Indicator (Open)	Tested once every two years
										1CF-4 - Position Indicator (Closed)	Tested once every two years
1CF-5	O FD-102A-01-03	ML	Category B	GL	No	NA	2			1CF-5 - Position Indicator (Open)	Tested once every two years
										1CF-5 - Position Indicator (Closed)	Tested once every two years

OCONEE NUCLEAR STATION

CF - CORE FLOOD

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1CF-6	O FD-102A-01-03	ML	Category B	GL	No	NA	2			1CF-6 - Position Indicator (Open)	Tested once every two years
										1CF-6 - Position Indicator (Closed)	Tested once every two years
1CF-11	O FD-102A-01-03	SA	Category AC	CK	Yes	NA	1			1CF-11 - Leak Test - ASME OM (Accident Direction)	Tested every cold shutdown
										Sample Disassembly (Closed to Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
										Partial Stroke (Open)	Condition Monitoring
1CF-12	O FD-102A-01-03	SA	Category AC	CK	Yes	NA	1			1CF-12 - Partial Stroke (Open)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
										Leak Test - ASME OM (Accident Direction)	Tested every cold shutdown
1CF-13	O FD-102A-01-03	SA	Category AC	CK	Yes	NA	1			1CF-13 - Leak Test - ASME OM (Accident Direction)	Tested every cold shutdown
										Partial Stroke (Open)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring

OCONEE NUCLEAR STATION

CF - CORE FLOOD

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Sample Disassembly (Open to Closed)	Condition Monitoring
1CF-14	O FD-102A-01-03	SA	Category AC	CK	Yes	NA	1			1CF-14 - Partial Stroke (Open)	Condition Monitoring
										Leak Test - ASME OM (Accident Direction)	Tested every cold shutdown
										Sample Disassembly (Closed to Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
1CF-15	O FD-102A-01-03	SA	Category C	RV	No	NA	2			1CF-15 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
1CF-17	O FD-102A-01-03	SA	Category C	RV	No	NA	2			1CF-17 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
1CF-19	O FD-102A-01-03	MA	Category B	GL	Yes	NA	2			1CF-19 - Full Stroke (Open)	Tested once quarterly
										1CF-19 - Full Stroke (Closed)	Tested once quarterly
1CF-42	O FD-127B-01-02	SA	Category AC	CK	Yes	NA	2		ON-CF03	1CF-42 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										1CF-42 - Full Stroke (Closed)	Tested every refueling outage
										Non-safety Direction Stroke (Open)	Tested every refueling outage

OCONEE NUCLEAR STATION

CF - CORE FLOOD

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1CF-44	O FD-127B-01-02	SA	Category AC	CK	Yes	NA	2		ON-CF03	1CF-44 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										1CF-44 - Full Stroke (Closed)	Tested every refueling outage
										Non-safety Direction Stroke (Open)	Tested every refueling outage
1CF-61	O FD-102A-01-03	SA	Category C	RV	Yes	NA	2			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
2CF-1	O FD-102A-02-03	ML	Category B	GA	No	NA	2			2CF-1 - Position Indicator (Open)	Tested once every two years
										2CF-1 - Position Indicator (Closed)	Tested once every two years
2CF-2	O FD-102A-02-03	ML	Category B	GA	No	NA	2			2CF-2 - Position Indicator (Open)	Tested once every two years
										2CF-2 - Position Indicator (Closed)	Tested once every two years
2CF-3	O FD-102A-02-03	ML	Category B	GA	Yes	NA	2			2CF-3 - Stroke Time (Opn to CIs)	Tested once quarterly
										2CF-3 - Position Indicator (Open)	Tested once every two years
										2CF-3 - Position Indicator (Closed)	Tested once every two years
2CF-4	O FD-102A-02-03	ML	Category B	GL	Yes	NA	2			2CF-4 - Stroke Time (Opn to CIs)	Tested once quarterly

OCONEE NUCLEAR STATION

CF - CORE FLOOD

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										2CF-4 - Position Indicator (Open)	Tested once every two years
										2CF-4 - Position Indicator (Closed)	Tested once every two years
2CF-5	O FD-102A-02-03	ML	Category B	GL	No	NA	2			2CF-5 - Position Indicator (Open)	Tested once every two years
										2CF-5 - Position Indicator (Closed)	Tested once every two years
2CF-6	O FD-102A-02-03	ML	Category B	GL	No	NA	2			2CF-6 - Position Indicator (Open)	Tested once every two years
										2CF-6 - Position Indicator (Closed)	Tested once every two years
2CF-11	O FD-102A-02-03	SA	Category AC	CK	Yes	NA	1			2CF-11 - Leak Test - ASME OM (Accident Direction)	Tested every cold shutdown
										Sample Disassembly (Closed to Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
										Partial Stroke (Open)	Condition Monitoring
2CF-12	O FD-102A-02-03	SA	Category AC	CK	Yes	NA	1			2CF-12 - Leak Test - ASME OM (Accident Direction)	Tested every cold shutdown
										2CF-12 - Partial Stroke (Open)	Condition Monitoring

OCONEE NUCLEAR STATION

CF - CORE FLOOD

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Sample Disassembly (Closed to Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
2CF-13	O FD-102A-02-03	SA	Category AC	CK	Yes	NA	1			2CF-13 - Leak Test - ASME OM (Accident Direction)	Tested every cold shutdown
										Sample Disassembly (Closed to Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
										Partial Stroke (Open)	Condition Monitoring
2CF-14	O FD-102A-02-03	SA	Category AC	CK	Yes	NA	1			2CF-14 - Partial Stroke (Open)	Condition Monitoring
										Leak Test - ASME OM (Accident Direction)	Tested every cold shutdown
										Sample Disassembly (Closed to Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
2CF-15	O FD-102A-02-03	SA	Category C	RV	No	NA	2			2CF-15 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
2CF-17	O FD-102A-02-03	SA	Category C	RV	No	NA	2			2CF-17 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
2CF-19	O FD-102A-02-03	MA	Category B	GL	Yes	NA	2			2CF-19 - Full Stroke	Tested once quarterly

OCONEE NUCLEAR STATION

CF - CORE FLOOD

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										(Open)	
										2CF-19 - Full Stroke (Closed)	Tested once quarterly
2CF-34	O FD-102A-02-03	MA	Category A	GL	No	NA	2			2CF-34 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
2CF-35	O FD-102A-02-03	MA	Category A	GL	No	NA	2			2CF-35 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
2CF-36	O FD-102A-02-03	MA	Category A	GL	No	NA	2			2CF-36 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
2CF-37	O FD-102A-02-03	MA	Category A	GL	No	NA	2			2CF-37 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
2CF-42	O FD-127B-02-02	SA	Category AC	CK	Yes	NA	2		ON-CF03	2CF-42 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										2CF-42 - Full Stroke (Closed)	Tested every refueling outage
										Non-safety Direction Stroke (Open)	Tested every refueling outage
2CF-44	O FD-127B-02-02	SA	Category AC	CK	Yes	NA	2		ON-CF03	2CF-44 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										2CF-44 - Full Stroke (Closed)	Tested every refueling outage
										Non-safety Direction Stroke (Open)	Tested every refueling outage

OCONEE NUCLEAR STATION

CF - CORE FLOOD

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
2CF-61	O FD-102A-02-03	SA	Category C	RV	Yes	NA	2			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
3CF-1	O FD-102A-03-03	ML	Category B	GA	No	NA	2			3CF-1 - Position Indicator (Open)	Tested once every two years
										3CF-1 - Position Indicator (Closed)	Tested once every two years
3CF-2	O FD-102A-03-03	ML	Category B	GA	No	NA	2			3CF-2 - Position Indicator (Open)	Tested once every two years
										3CF-2 - Position Indicator (Closed)	Tested once every two years
3CF-3	O FD-102A-03-03	ML	Category B	GL	Yes	NA	2			3CF-3 - Stroke Time (Opn to Cls)	Tested once quarterly
										3CF-3 - Position Indicator (Open)	Tested once every two years
										3CF-3 - Position Indicator (Closed)	Tested once every two years
3CF-4	O FD-102A-03-03	ML	Category B	GL	Yes	NA	2			3CF-4 - Stroke Time (Opn to Cls)	Tested once quarterly
										3CF-4 - Position Indicator (Open)	Tested once every two years
										3CF-4 - Position Indicator (Closed)	Tested once every two years
3CF-5	O FD-102A-03-03	ML	Category B	GL	No	NA	2			3CF-5 - Position Indicator (Open)	Tested once every two years

OCONEE NUCLEAR STATION

CF - CORE FLOOD

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										3CF-5 - Position Indicator (Closed)	Tested once every two years
3CF-6	O FD-102A-03-03	ML	Category B	GL	No	NA	2			3CF-6 - Position Indicator (Open)	Tested once every two years
										3CF-6 - Position Indicator (Closed)	Tested once every two years
3CF-11	O FD-102A-03-03	SA	Category AC	CK	Yes	NA	1			3CF-11 - Leak Test - ASME OM (Accident Direction)	Tested every cold shutdown
										Partial Stroke (Open)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
3CF-12	O FD-102A-03-03	SA	Category AC	CK	Yes	NA	1			3CF-12 - Partial Stroke (Open)	Condition Monitoring
										Leak Test - ASME OM (Accident Direction)	Tested every cold shutdown
										Sample Disassembly (Closed to Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
3CF-13	O FD-102A-03-03	SA	Category AC	CK	Yes	NA	1			3CF-13 - Leak Test - ASME OM (Accident Direction)	Tested every cold shutdown

OCONEE NUCLEAR STATION

CF - CORE FLOOD

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Sample Disassembly (Closed to Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
										Partial Stroke (Open)	Condition Monitoring
3CF-14	O FD-102A-03-03	SA	Category AC	CK	Yes	NA	1			3CF-14 - Partial Stroke (Open)	Condition Monitoring
										Leak Test - ASME OM (Accident Direction)	Tested every cold shutdown
										Sample Disassembly (Closed to Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
3CF-15	O FD-102A-03-03	SA	Category C	RV	No	NA	2			3CF-15 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
3CF-17	O FD-102A-03-03	SA	Category C	RV	No	NA	2			3CF-17 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
3CF-19	O FD-102A-03-03	MA	Category B	GL	Yes	NA	2			3CF-19 - Full Stroke (Open)	Tested once quarterly
										3CF-19 - Full Stroke (Closed)	Tested once quarterly
3CF-34	O FD-102A-03-03	MA	Category A	GL	No	NA	2			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage

OCONEE NUCLEAR STATION

CF - CORE FLOOD

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
3CF-35	O FD-102A-03-03	MA	Category A	GL	No	NA	2			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
3CF-36	O FD-102A-03-03	MA	Category A	GL	No	NA	2			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
3CF-37	O FD-102A-03-03	MA	Category A	GL	No	NA	2			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
3CF-42	O FD-127B-03-02	SA	Category AC	CK	Yes	NA	2		ON-CF03	3CF-42 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										3CF-42 - Full Stroke (Closed)	Tested every refueling outage
										Non-safety Direction Stroke (Open)	Tested every refueling outage
3CF-44	O FD-127B-03-02	SA	Category AC	CK	Yes	NA	2		ON-CF03	3CF-44 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										3CF-44 - Full Stroke (Closed)	Tested every refueling outage
										Non-safety Direction Stroke (Open)	Tested every refueling outage
3CF-61	O FD-102A-03-03	SA	Category C	RV	Yes	NA	2			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule

OCONEE NUCLEAR STATION

CS - COOLANT STORAGE

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1CS-5	O FD-107A-01-02	ML	Category A	DP	Yes	NA	2			1CS-5 - Stroke Time (Opn to Cls)	Tested once quarterly
										1CS-5 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										1CS-5 - Position Indicator (Open)	Tested once every two years
										1CS-5 - Position Indicator (Closed)	Tested once every two years
1CS-6	O FD-107A-01-02	AO	Category A	DP	Yes	NA	2			1CS-6 - Fast Acting Stroke Time (Opn to Cls)	Tested once quarterly
										1CS-6 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										1CS-6 - Position Indicator (Open)	Tested once every two years
										1CS-6 - Position Indicator (Closed)	Tested once every two years
1CS-11	O FD-107A-01-01	SA	Category AC	CK	Yes	NA	2		ON-CS01	1CS-11 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										1CS-11 - Full Stroke (Closed)	Tested every refueling outage
										Non-safety Direction Stroke (Open)	Tested every refueling outage
1CS-12	O FD-107A-01-01	SA	Category AC	CK	Yes	NA	2		ON-CS01	1CS-12 - Leak Test - Appendix J (Accident	Tested every refueling outage

OCONEE NUCLEAR STATION

CS - COOLANT STORAGE

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Direction)	
										1CS-12 - Full Stroke (Closed)	Tested every refueling outage
										Non-safety Direction Stroke (Open)	Tested every refueling outage
1CS-197	O FD-107A-01-02	SA	Category AC	CK	Yes	NA	2		ON-CS02	1CS-197 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
										1CS-197 - Full Stroke (Open)	Tested every refueling outage
										1CS-197 - Full Stroke (Closed)	Tested every refueling outage
2CS-5	O FD-107A-02-02	ML	Category A	DP	Yes	NA	2			2CS-5 - Stroke Time (Opn to Cls)	Tested once quarterly
										2CS-5 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
										2CS-5 - Position Indicator (Open)	Tested once every two years
										2CS-5 - Position Indicator (Closed)	Tested once every two years
2CS-6	O FD-107A-02-02	AO	Category A	DP	Yes	NA	2			2CS-6 - Fast Acting Stroke Time (Opn to Cls)	Tested once quarterly
										2CS-6 - Leak Test - Appendix J (Accident Direction	Tested every refueling outage

OCONEE NUCLEAR STATION

CS - COOLANT STORAGE

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										2CS-6 - Position Indicator (Open)	Tested once every two years
										2CS-6 - Position Indicator (Closed)	Tested once every two years
2CS-11	O FD-107A-02-01	SA	Category AC	CK	Yes	NA	2		ON-CS01	2CS-11 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										2CS-11 - Full Stroke (Closed)	Tested every refueling outage
										Non-safety Direction Stroke (Open)	Tested every refueling outage
2CS-12	O FD-107A-02-01	SA	Category AC	CK	Yes	NA	2		ON-CS01	2CS-12 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										2CS-12 - Full Stroke (Closed)	Tested every refueling outage
										Non-safety Direction Stroke (Open)	Tested every refueling outage
2CS-197	O FD-107A-02-02	SA	Category AC	CK	Yes	NA	2		ON-CS02	2CS-197 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
										2CS-197 - Full Stroke (Open)	Tested every refueling outage
										2CS-197 - Full Stroke (Closed)	Tested every refueling outage
3CS-5	O FD-107A-03-02	ML	Category A	DP	Yes	NA	2			3CS-5 - Stroke Time (Opn to Cls)	Tested once quarterly

OCONEE NUCLEAR STATION

CS - COOLANT STORAGE

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										3CS-5 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										3CS-5 - Position Indicator (Open)	Tested once every two years
										3CS-5 - Position Indicator (Closed)	Tested once every two years
3CS-6	O FD-107A-03-02	AO	Category A	DP	Yes	NA	2			3CS-6 - Fast Acting Stroke Time (Opn to Cls)	Tested once quarterly
										3CS-6 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										3CS-6 - Position Indicator (Open)	Tested once every two years
										3CS-6 - Position Indicator (Closed)	Tested once every two years
3CS-11	O FD-107A-03-01	SA	Category AC	CK	Yes	NA	2		ON-CS01	3CS-11 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										3CS-11 - Full Stroke (Closed)	Tested every refueling outage
										Non-safety Direction Stroke (Open)	Tested every refueling outage
3CS-12	O FD-107A-03-01	SA	Category AC	CK	Yes	NA	2		ON-CS01	3CS-12 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										3CS-12 - Full Stroke (Closed)	Tested every refueling outage

OCONEE NUCLEAR STATION

CS - COOLANT STORAGE

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Non-safety Direction Stroke (Open)	Tested every refueling outage
3CS-197	O FD-107A-03-02	SA	Category AC	CK	Yes	NA	2		ON-CS02	3CS-197 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
										3CS-197 - Full Stroke (Open)	Tested every refueling outage
										3CS-197 - Full Stroke (Closed)	Tested every refueling outage

OCONEE NUCLEAR STATION

DA - DIESEL STARTING AIR (SSF)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
DA-6	O FD-137D-01-01	SA	Category C	RV	No	NA	3			DA-6 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
DA-11	O FD-137D-01-01	SA	Category C	RV	No	NA	3			DA-11 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
DA-16	O FD-137D-01-02	SA	Category C	RV	No	NA	3			DA-16 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
DA-21	O FD-137D-01-02	SA	Category C	RV	No	NA	3			DA-21 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule

OCONEE NUCLEAR STATION

DW - DEMINERALIZED WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1DW-59	O FD-106E-01-01	MA	Category A	GA	No	NA	2			1DW-59 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1DW-60	O FD-106E-01-01	MA	Category A	GA	No	NA	2			1DW-60 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1DW-539	O FD-106E-01-01	SA	Category AC	RV	Yes	NA	2			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
										Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
2DW-59	O FD-106E-02-01	MA	Category A	GA	No	NA	2			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
2DW-60	O FD-106E-02-01	MA	Category A	GA	No	NA	2			2DW-60 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
2DW-539	O FD-106E-02-01	SA	Category AC	RV	Yes	NA	2			2DW-539 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
										Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
3DW-59	O FD-106E-03-01	MA	Category A	GA	No	NA	2			3DW-59 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
3DW-60	O FD-106E-03-01	MA	Category A	GA	No	NA	2			3DW-60 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
3DW-539	O FD-106E-03-01	SA	Category AC	RV	Yes	NA	2			3DW-539 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage

OCONEE NUCLEAR STATION

DW - DEMINERALIZED WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Direction)	
										Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule

OCONEE NUCLEAR STATION

ESV - ESSENTIAL SIPHON VACUUM (ECCW)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1ESV-1	O FD-130A-01-01	SA	Category C	FL	Yes	NA	3			1ESV-1 - Full Stroke (Open)	Tested once quarterly
										1ESV-1 - Full Stroke (Closed)	Tested once quarterly
1ESV-2	O FD-130A-01-01	SA	Category C	FL	Yes	NA	3			1ESV-2 - Full Stroke (Open)	Tested once quarterly
										1ESV-2 - Full Stroke (Closed)	Tested once quarterly
1ESV-18	O FD-130A-01-01	SA	Category C	RV	No	NA	3			1ESV-18 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
1ESV-19	O FD-130A-01-01	SA	Category C	RV	No	NA	3			1ESV-19 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
1ESV-26	O FD-130A-01-01	SA	Category AC	CK	Yes	NA	3			1ESV-26 - Full Stroke (Open)	Tested once quarterly
										1ESV-26 - Full Stroke (Closed)	Tested once quarterly
										Leak Test - ASME OM (Accident Direction)	Tested once every two years
1ESV-27	O FD-130A-01-01	SA	Category AC	CK	Yes	NA	3			1ESV-27 - Full Stroke (Open)	Tested once quarterly
										1ESV-27 - Full Stroke (Closed)	Tested once quarterly
										Leak Test - ASME OM	Tested once every two

OCONEE NUCLEAR STATION

ESV - ESSENTIAL SIPHON VACUUM (ECCW)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										(Accident Direction)	years
1ESV-28	O FD-130A-01-01	SO	Category B	SV	Yes	NA	3			1ESV-28 - Position Indicator (Closed)	Tested once every two years
										1ESV-28 - Fast Acting Stroke Time (Open to Closed)	Tested once quarterly
1ESV-29	O FD-130A-01-01	SO	Category B	SV	Yes	NA	3			1ESV-29 - Position Indicator (Closed)	Tested once every two years
										1ESV-29 - Fast Acting Stroke Time (Open to Closed)	Tested once quarterly
2ESV-1	O FD-130A-02-01	SA	Category C	FL	Yes	NA	3			2ESV-1 - Full Stroke (Open)	Tested once quarterly
										2ESV-1 - Full Stroke (Closed)	Tested once quarterly
2ESV-2	O FD-130A-02-01	SA	Category C	FL	Yes	NA	3			2ESV-2 - Full Stroke (Open)	Tested once quarterly
										2ESV-2 - Full Stroke (Closed)	Tested once quarterly
2ESV-18	O FD-130A-02-01	SA	Category C	RV	No	NA	3			2ESV-18 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
2ESV-19	O FD-130A-02-01	SA	Category C	RV	No	NA	3			2ESV-19 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule

OCONEE NUCLEAR STATION

ESV - ESSENTIAL SIPHON VACUUM (ECCW)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
2ESV-26	O FD-130A-02-01	SA	Category AC	CK	Yes	NA	3			2ESV-26 - Full Stroke (Open)	Tested once quarterly
										2ESV-26 - Full Stroke (Closed)	Tested once quarterly
										Leak Test - ASME OM (Accident Direction)	Tested once every two years
2ESV-27	O FD-130A-02-01	SA	Category AC	CK	Yes	NA	3			2ESV-27 - Full Stroke (Open)	Tested once quarterly
										2ESV-27 - Full Stroke (Closed)	Tested once quarterly
										Leak Test - ASME OM (Accident Direction)	Tested once every two years
2ESV-28	O FD-130A-02-01	SO	Category B	SV	Yes	NA	3			2ESV-28 - Position Indicator (Closed)	Tested once every two years
										2ESV-28 - Fast Acting Stroke Time (Open to Closed)	Tested once quarterly
2ESV-29	O FD-130A-02-01	SO	Category B	SV	Yes	NA	3			2ESV-29 - Position Indicator (Closed)	Tested once every two years
										2ESV-29 - Fast Acting Stroke Time (Open to Closed)	Tested once quarterly
3ESV-1	O FD-130A-03-01	SA	Category C	FL	Yes	NA	3			3ESV-1 - Full Stroke (Open)	Tested once quarterly

OCONEE NUCLEAR STATION

ESV - ESSENTIAL SIPHON VACUUM (ECCW)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										3ESV-1 - Full Stroke (Closed)	Tested once quarterly
3ESV-2	O FD-130A-03-01	SA	Category C	FL	Yes	NA	3			3ESV-2 - Full Stroke (Open)	Tested once quarterly
										3ESV-2 - Full Stroke (Closed)	Tested once quarterly
3ESV-18	O FD-130A-03-01	SA	Category C	RV	No	NA	3			3ESV-18 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
3ESV-19	O FD-130A-03-01	SA	Category C	RV	No	NA	3			3ESV-19 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
3ESV-26	O FD-130A-03-01	SA	Category AC	CK	Yes	NA	3			3ESV-26 - Full Stroke (Open)	Tested once quarterly
										3ESV-26 - Full Stroke (Closed)	Tested once quarterly
										Leak Test - ASME OM (Accident Direction)	Tested once every two years
3ESV-27	O FD-130A-03-01	SA	Category AC	CK	Yes	NA	3			3ESV-27 - Full Stroke (Open)	Tested once quarterly
										3ESV-27 - Full Stroke (Closed)	Tested once quarterly
										Leak Test - ASME OM (Accident Direction)	Tested once every two years
3ESV-28	O FD-130A-03-01	SO	Category B	SV	Yes	NA	3			3ESV-28 - Position Indicator (Closed)	Tested once every two years

OCONEE NUCLEAR STATION

ESV - ESSENTIAL SIPHON VACUUM (ECCW)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										3ESV-28 - Fast Acting Stroke Time (Open to Closed)	Tested once quarterly
3ESV-29	O FD-130A-03-01	SO	Category B	SV	Yes	NA	3			3ESV-29 - Position Indicator (Closed)	Tested once every two years
										3ESV-29 - Fast Acting Stroke Time (Open to Closed)	Tested once quarterly

OCONEE NUCLEAR STATION

FDW - FEEDWATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1FDW-32	O FD-121B-01-03	AO	Category B	GL	Yes	NA	3		ON-FDW03	1FDW-32 - Stroke Time (Opn to Cls)	Tested every cold shutdown
										1FDW-32 - Position Indicator (Open)	Tested once every two years
										1FDW-32 - Position Indicator (Closed)	Tested once every two years
1FDW-35	O FD-121B-01-03	AO	Category B	GL	Yes	NA	3		ON-FDW01	1FDW-35 - Stroke Time (Opn to Cls)	Tested every cold shutdown
										1FDW-35 - Position Indicator (Open)	Tested once every two years
										1FDW-35 - Position Indicator (Closed)	Tested once every two years
1FDW-39	O FD-121D-01-01	SA	Category C	CK	Yes	NA	2			1FDW-39 - Sample Disassembly (Opn to Cls)	Condition Monitoring
										1FDW-39 - Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
1FDW-41	O FD-121B-01-03	AO	Category B	GL	Yes	NA	3		ON-FDW03	1FDW-41 - Stroke Time (Opn to Cls)	Tested every cold shutdown
										1FDW-41 - Position Indicator (Open)	Tested once every two years
										1FDW-41 - Position Indicator (Closed)	Tested once every two years

OCONEE NUCLEAR STATION

FDW - FEEDWATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1FDW-44	O FD-121B-01-03	AO	Category B	GL	Yes	NA	3		ON-FDW01	1FDW-44 - Stroke Time (Opn to Cls)	Tested every cold shutdown
										1FDW-44 - Position Indicator (Open)	Tested once every two years
										1FDW-44 - Position Indicator (Closed)	Tested once every two years
1FDW-103	O FD-121B-01-05	ML	Category B	GA	Yes	NA	2			1FDW-103 - Stroke Time (Opn to Cls)	Tested once quarterly
										1FDW-103 - Position Indicator (Open)	Tested once every two years
										1FDW-103 - Position Indicator (Closed)	Tested once every two years
1FDW-104	O FD-121B-01-05	ML	Category B	GA	Yes	NA	2			1FDW-104 - Stroke Time (Opn to Cls)	Tested once quarterly
										1FDW-104 - Position Indicator (Open)	Tested once every two years
										1FDW-104 - Position Indicator (Closed)	Tested once every two years
1FDW-106	O FD-110A-01-01	AO	Category B	GL	Yes	NA	2			1FDW-106 - Fast Acting Stroke Time (Opn to Cls)	Tested once quarterly
										1FDW-106 - Position Indicator (Open)	Tested once every two years
										1FDW-106 - Position Indicator (Closed)	Tested once every two years

OCONEE NUCLEAR STATION

FDW - FEEDWATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1FDW-108	O FD-110A-01-01	AO	Category B	GL	Yes	NA	2			1FDW-108 - Fast Acting Stroke Time (Opn to Cls)	Tested once quarterly
										1FDW-108 - Position Indicator (Open)	Tested once every two years
										1FDW-108 - Position Indicator (Closed)	Tested once every two years
										Stroke Time (Open to Closed)	Tested once quarterly
1FDW-232	O FD-121D-01-01	SA	Category C	CK	Yes	NA	2			1FDW-232 - Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
1FDW-233	O FD-121D-01-01	SA	Category C	CK	Yes	NA	2			1FDW-233 - Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
1FDW-311	O FD-121D-01-01	SA	Category C	CK	Yes	NA	3			1FDW-311 - Full Stroke (Open)	Condition Monitoring
										1FDW-311 - Full Stroke (Closed)	Condition Monitoring

OCONEE NUCLEAR STATION

FDW - FEEDWATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Sample Disassembly (Both)	Condition Monitoring
1FDW-312	O FD-121D-01-01	SA	Category C	CK	Yes	NA	3			1FDW-312 - Full Stroke (Open)	Condition Monitoring
										1FDW-312 - Full Stroke (Closed)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring
1FDW-313	O FD-121D-01-01	MA	Category B	GA	Yes	NA	3			1FDW-313 - Full Stroke (Open)	Tested once quarterly
										1FDW-313 - Full Stroke (Closed)	Tested once quarterly
1FDW-314	O FD-121D-01-01	MA	Category B	GA	Yes	NA	3			1FDW-314 - Full Stroke (Open)	Tested once quarterly
										1FDW-314 - Full Stroke (Closed)	Tested once quarterly
1FDW-315	O FD-121D-01-01	AO	Category B	GL	Yes	NA	3			1FDW-315 - Stroke Time (Open to Closed)	Tested once quarterly
										1FDW-315 - Stroke Time (Closed to Open)	Tested once quarterly
										1FDW-315 - Position Indicator (Open)	Tested once every two years
										1FDW-315 - Position Indicator (Closed)	Tested once every two years

OCONEE NUCLEAR STATION

FDW - FEEDWATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1FDW-316	O FD-121D-01-01	AO	Category B	GL	Yes	NA	3			1FDW-316 - Stroke Time (Open to Closed)	Tested once quarterly
										1FDW-316 - Stroke Time (Closed to Open)	Tested once quarterly
										1FDW-316 - Position Indicator (Open)	Tested once every two years
										1FDW-316 - Position Indicator (Closed)	Tested once every two years
1FDW-317	O FD-121D-01-01	SA	Category C	CK	Yes	NA	2			1FDW-317 - Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
1FDW-318	O FD-121D-01-01	SA	Category C	CK	Yes	NA	3			1FDW-318 - Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
1FDW-345	O FD-121D-01-01	SA	Category C	CK	Yes	NA	2			1FDW-345 - Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring

OCONEE NUCLEAR STATION

FDW - FEEDWATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Sample Disassembly (Open to Closed)	Condition Monitoring
1FDW-346	O FD-121D-01-01	SA	Category C	CK	Yes	NA	2			1FDW-346 - Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
1FDW-347	O FD-121D-01-01	MR	Category B	GL	Yes	NA	3			1FDW-347 - Stroke Time (Open to Closed)	Tested once quarterly
										1FDW-347 - Stroke Time (Closed to Open)	Tested once quarterly
										1FDW-347 - Position Indicator (Open)	Tested once every two years
										1FDW-347 - Position Indicator (Closed)	Tested once every two years
1FDW-368	O FD-121D-01-01	MR	Category B	GA	No	NA	3			1FDW-368 - Position Indicator (Open)	Tested once every two years
										1FDW-368 - Position Indicator (Closed)	Tested once every two years
1FDW-369	O FD-121D-01-01	MR	Category B	GA	No	NA	3			1FDW-369 - Position Indicator (Open)	Tested once every two years
										1FDW-369 - Position Indicator (Closed)	Tested once every two years

OCONEE NUCLEAR STATION

FDW - FEEDWATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Activ.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1FDW-370	O FD-121D-01-01	SA	Category B	CK	Yes	NA	3			1FDW-370 - Full Stroke (Open)	Tested once quarterly
										Full Stroke (Open)	Tested every refueling outage
1FDW-372	O FD-121D-01-01	MR	Category B	GA	No	NA	3			1FDW-372 - Position Indicator (Open)	Tested once every two years
										1FDW-372 - Position Indicator (Closed)	Tested once every two years
1FDW-373	O FD-121D-01-01	SA	Category C	CK	Yes	NA	3			1FDW-373 - Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
1FDW-378	O FD-121D-01-01	SA	Category C	CK	Yes	NA	3			1FDW-378 - Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
										Full Stroke (Open)	Condition Monitoring
1FDW-380	O FD-121D-01-01	SA	Category B	CK	Yes	NA	3			1FDW-380 - Full Stroke (Open)	Tested once quarterly
										Full Stroke (Open)	Tested every refueling outage

OCONEE NUCLEAR STATION

FDW - FEEDWATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1FDW-382	O FD-121D-01-01	MR	Category B	GA	No	NA	3			1FDW-382 - Position Indicator (Open)	Tested once every two years
										1FDW-382 - Position Indicator (Closed)	Tested once every two years
1FDW-383	O FD-121D-01-01	SA	Category C	CK	Yes	NA	3			1FDW-383 - Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
1FDW-388	O FD-121D-01-01	SA	Category C	CK	Yes	NA	3			1FDW-388 - Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
										Full Stroke (Open)	Condition Monitoring
1FDW-432	O FD-121D-01-01	SA	Category C	CK	Yes	NA	3			1FDW-432 - Sample Disassembly (Opn to Cls)	Condition Monitoring
										1FDW-432 - Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
1FDW-442	O FD-121D-01-01	SA	Category C	CK	Yes	NA	2			1FDW-442 - Full Stroke (Open)	Condition Monitoring

OCONEE NUCLEAR STATION

FDW - FEEDWATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Sample Disassembly (Closed to Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
1FDW-582	O FD-121B-01-05	SA	Category C	RV	Yes	NA	2			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
1FDW-583	O FD-121B-01-05	SA	Category C	RV	Yes	NA	2			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
1FDW-584	O FD-110A-01-01	SA	Category C	RV	Yes	NA	2			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
1FDW-585	O FD-110A-01-01	SA	Category C	RV	Yes	NA	2			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
2FDW-32	O FD-121B-02-03	AO	Category B	GL	Yes	NA	3		ON-FDW03	2FDW-32 - Stroke Time (Opn to Cls)	Tested every cold shutdown
										2FDW-32 - Position Indicator (Open)	Tested once every two years
										2FDW-32 - Position Indicator (Closed)	Tested once every two years
2FDW-35	O FD-121B-02-03	AO	Category B	GL	Yes	NA	3		ON-FDW01	2FDW-35 - Stroke Time (Opn to Cls)	Tested every cold shutdown
										2FDW-35 - Position Indicator (Open)	Tested once every two years
										2FDW-35 - Position	Tested once every two

OCONEE NUCLEAR STATION

FDW - FEEDWATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Indicator (Closed)	years
2FDW-39	O FD-121D-02-01	SA	Category C	CK	Yes	NA	2			2FDW-39 - Sample Disassembly (Opn to Cls)	Condition Monitoring
										2FDW-39 - Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
2FDW-41	O FD-121B-02-03	AO	Category B	GL	Yes	NA	3		ON-FDW03	2FDW-41 - Stroke Time (Opn to Cls)	Tested every cold shutdown
										2FDW-41 - Position Indicator (Open)	Tested once every two years
										2FDW-41 - Position Indicator (Closed)	Tested once every two years
2FDW-44	O FD-121B-02-03	AO	Category B	GL	Yes	NA	3		ON-FDW01	2FDW-44 - Stroke Time (Opn to Cls)	Tested every cold shutdown
										2FDW-44 - Position Indicator (Open)	Tested once every two years
										2FDW-44 - Position Indicator (Closed)	Tested once every two years
2FDW-103	O FD-121B-02-05	MR	Category B	GA	Yes	NA	2			2FDW-103 - Stroke Time (Opn to Cls)	Tested once quarterly
										2FDW-103 - Position Indicator (Open)	Tested once every two years
										2FDW-103 - Position	Tested once every two

OCONEE NUCLEAR STATION

FDW - FEEDWATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Indicator (Closed)	years
2FDW-104	O FD-121B-02-05	ML	Category B	GA	Yes	NA	2			2FDW-104 - Stroke Time (Opn to Cls)	Tested once quarterly
										2FDW-104 - Position Indicator (Open)	Tested once every two years
										2FDW-104 - Position Indicator (Closed)	Tested once every two years
2FDW-106	O FD-110A-02-01	AO	Category B	GL	Yes	NA	2			2FDW-106 - Fast Acting Stroke Time (Opn to Cls)	Tested once quarterly
										2FDW-106 - Position Indicator (Open)	Tested once every two years
										2FDW-106 - Position Indicator (Closed)	Tested once every two years
										Stroke Time (Open to Closed)	Tested once quarterly
2FDW-108	O FD-110A-02-01	AO	Category B	GL	Yes	NA	2			2FDW-108 - Fast Acting Stroke Time (Opn to Cls)	Tested once quarterly
										2FDW-108 - Position Indicator (Open)	Tested once every two years
										2FDW-108 - Position Indicator (Closed)	Tested once every two years
										Stroke Time (Open to Closed)	Tested once quarterly
2FDW-232	O FD-121D-02-01	SA	Category C	CK	Yes	NA	2			2FDW-232 - Full Stroke (Open)	Condition Monitoring

OCONEE NUCLEAR STATION

FDW - FEEDWATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Sample Disassembly (Open to Closed)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
2FDW-233	O FD-121D-02-01	SA	Category C	CK	Yes	NA	2			2FDW-233 - Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
2FDW-311	O FD-121D-02-01	SA	Category C	CK	Yes	NA	3			2FDW-311 - Full Stroke (Open)	Condition Monitoring
										2FDW-311 - Full Stroke (Closed)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring
2FDW-312	O FD-121D-02-01	SA	Category C	CK	Yes	NA	3			2FDW-312 - Full Stroke (Open)	Condition Monitoring
										2FDW-312 - Full Stroke (Closed)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring
2FDW-313	O FD-121D-02-01	MA	Category B	GA	Yes	NA	3			2FDW-313 - Full Stroke (Open)	Tested once quarterly

OCONEE NUCLEAR STATION

FDW - FEEDWATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										2FDW-313 - Full Stroke (Closed)	Tested once quarterly
2FDW-314	O FD-121D-02-01	MA	Category B	GA	Yes	NA	3			2FDW-314 - Full Stroke (Open)	Tested once quarterly
										2FDW-314 - Full Stroke (Closed)	Tested once quarterly
2FDW-315	O FD-121D-02-01	AO	Category B	CV	Yes	NA	3			2FDW-315 - Stroke Time (Open to Closed)	Tested once quarterly
										2FDW-315 - Stroke Time (Closed to Open)	Tested once quarterly
										2FDW-315 - Position Indicator (Open)	Tested once every two years
										2FDW-315 - Position Indicator (Closed)	Tested once every two years
2FDW-316	O FD-121D-02-01	AO	Category B	CV	Yes	NA	3			2FDW-316 - Stroke Time (Open to Closed)	Tested once quarterly
										2FDW-316 - Stroke Time (Closed to Open)	Tested once quarterly
										2FDW-316 - Position Indicator (Open)	Tested once every two years
										2FDW-316 - Position Indicator (Closed)	Tested once every two years
2FDW-317	O FD-121D-02-01	SA	Category C	CK	Yes	NA	2			2FDW-317 - Full Stroke (Open)	Condition Monitoring

OCONEE NUCLEAR STATION

FDW - FEEDWATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Sample Disassembly (Closed to Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
2FDW-318	O FD-121D-02-01	SA	Category C	CK	Yes	NA	3			2FDW-318 - Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
2FDW-345	O FD-121D-02-01	SA	Category C	CK	Yes	NA	2			2FDW-345 - Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
2FDW-346	O FD-121D-02-01	SA	Category C	CK	Yes	NA	2			2FDW-346 - Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
2FDW-347	O FD-121D-02-01	MR	Category B	GL	Yes	NA	3			2FDW-347 - Stroke Time (Open to Closed)	Tested once quarterly

OCONEE NUCLEAR STATION

FDW - FEEDWATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										2FDW-347 - Stroke Time (Closed to Open)	Tested once quarterly
										2FDW-347 - Position Indicator (Open)	Tested once every two years
										2FDW-347 - Position Indicator (Closed)	Tested once every two years
2FDW-368	O FD-121D-02-01	MR	Category B	GA	No	NA	3			2FDW-368 - Position Indicator (Open)	Tested once every two years
										2FDW-368 - Position Indicator (Closed)	Tested once every two years
2FDW-369	O FD-121D-02-01	MR	Category B	GA	No	NA	3			2FDW-369 - Position Indicator (Open)	Tested once every two years
										2FDW-369 - Position Indicator (Closed)	Tested once every two years
2FDW-370	O FD-121D-02-01	SA	Category B	CK	Yes	NA	3			2FDW-370 - Full Stroke (Open)	Tested once quarterly
										Full Stroke (Open)	Tested every refueling outage
2FDW-372	O FD-121D-02-01	MR	Category B	GA	No	NA	3			2FDW-372 - Position Indicator (Open)	Tested once every two years
										2FDW-372 - Position Indicator (Closed)	Tested once every two years
2FDW-373	O FD-121D-02-01	SA	Category C	CK	Yes	NA	3			2FDW-373 - Full Stroke	Condition Monitoring

OCONEE NUCLEAR STATION

FDW - FEEDWATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										(Open)	
										Sample Disassembly (Open to Closed)	Condition Monitoring
2FDW-378	O FD-121D-02-01	SA	Category C	CK	Yes	NA	3			2FDW-378 - Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
										Full Stroke (Open)	Condition Monitoring
2FDW-380	O FD-121D-02-01	SA	Category B	CK	Yes	NA	3			2FDW-380 - Full Stroke (Open)	Tested once quarterly
										Full Stroke (Open)	Tested every refueling outage
2FDW-382	O FD-121D-02-01	MR	Category B	GA	No	NA	3			2FDW-382 - Position Indicator (Open)	Tested once every two years
										2FDW-382 - Position Indicator (Closed)	Tested once every two years
2FDW-383	O FD-121D-02-01	SA	Category C	CK	Yes	NA	3			2FDW-383 - Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
2FDW-388	O FD-121D-02-01	SA	Category C	CK	Yes	NA	3			2FDW-388 - Full Stroke (Open)	Condition Monitoring

OCONEE NUCLEAR STATION

FDW - FEEDWATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Sample Disassembly (Closed to Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
										Full Stroke (Open)	Condition Monitoring
2FDW-432	O FD-121D-02-01	SA	Category C	CK	Yes	NA	3			2FDW-432 - Sample Disassembly (Opn to Cls)	Condition Monitoring
										2FDW-432 - Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
2FDW-442	O FD-121D-02-01	SA	Category C	CK	Yes	NA	2			2FDW-442 - Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
2FDW-582	O FD-121B-02-05	SA	Category C	RV	Yes	NA	2			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
2FDW-583	O FD-121B-02-05	SA	Category C	RV	Yes	NA	2			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
2FDW-584	O FD-110A-02-01	SA	Category C	RV	Yes	NA	2			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule

OCONEE NUCLEAR STATION

FDW - FEEDWATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
2FDW-585	O FD-110A-02-01	SA	Category C	RV	Yes	NA	2			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
3FDW-32	O FD-121B-03-03	AO	Category B	GL	Yes	NA	3		ON-FDW03	3FDW-32 - Stroke Time (Opn to Cls)	Tested every cold shutdown
										3FDW-32 - Position Indicator (Open)	Tested once every two years
										3FDW-32 - Position Indicator (Closed)	Tested once every two years
3FDW-35	O FD-121B-03-03	AO	Category B	GL	Yes	NA	3		ON-FDW01	3FDW-35 - Stroke Time (Opn to Cls)	Tested every cold shutdown
										3FDW-35 - Position Indicator (Open)	Tested once every two years
										3FDW-35 - Position Indicator (Closed)	Tested once every two years
3FDW-39	O FD-121D-03-01	SA	Category C	CK	Yes	NA	2			3FDW-39 - Sample Disassembly (Opn to Cls)	Condition Monitoring
										3FDW-39 - Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
3FDW-41	O FD-121B-03-03	AO	Category B	GL	Yes	NA	3		ON-FDW03	3FDW-41 - Stroke Time (Opn to Cls)	Tested every cold shutdown

OCONEE NUCLEAR STATION

FDW - FEEDWATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										3FDW-41 - Position Indicator (Open)	Tested once every two years
										3FDW-41 - Position Indicator (Closed)	Tested once every two years
3FDW-44	O FD-121B-03-03	AO	Category B	GL	Yes	NA	3		ON-FDW01	3FDW-44 - Stroke Time (Opn to Cls)	Tested every cold shutdown
										3FDW-44 - Position Indicator (Open)	Tested once every two years
										3FDW-44 - Position Indicator (Closed)	Tested once every two years
3FDW-103	O FD-121B-03-05	ML	Category B	GA	Yes	NA	2			3FDW-103 - Stroke Time (Opn to Cls)	Tested once quarterly
										3FDW-103 - Position Indicator (Open)	Tested once every two years
										3FDW-103 - Position Indicator (Closed)	Tested once every two years
3FDW-104	O FD-121B-03-05	ML	Category B	GA	Yes	NA	2			3FDW-104 - Stroke Time (Opn to Cls)	Tested once quarterly
										3FDW-104 - Position Indicator (Open)	Tested once every two years
										3FDW-104 - Position Indicator (Closed)	Tested once every two years
3FDW-106	O FD-110A-03-01	AO	Category B	GA	Yes	NA	2			3FDW-106 - Fast Acting Stroke Time (Opn to Cls)	Tested once quarterly

OCONEE NUCLEAR STATION

FDW - FEEDWATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										3FDW-106 - Position Indicator (Open)	Tested once every two years
										3FDW-106 - Position Indicator (Closed)	Tested once every two years
3FDW-108	O FD-110A-03-01	AO	Category B	GL	Yes	NA	2			3FDW-108 - Fast Acting Stroke Time (Opn to Cls)	Tested once quarterly
										3FDW-108 - Position Indicator (Open)	Tested once every two years
										3FDW-108 - Position Indicator (Closed)	Tested once every two years
3FDW-232	O FD-121D-03-01	SA	Category C	CK	Yes	NA	2			3FDW-232 - Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
3FDW-233	O FD-121D-03-01	SA	Category C	CK	Yes	NA	2			3FDW-233 - Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
3FDW-311	O FD-121D-03-01	SA	Category C	CK	Yes	NA	3			3FDW-311 - Full Stroke (Open)	Condition Monitoring

OCONEE NUCLEAR STATION

FDW - FEEDWATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										3FDW-311 - Full Stroke (Closed)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring
3FDW-312	O FD-121D-03-01	SA	Category C	CK	Yes	NA	3			3FDW-312 - Full Stroke (Open)	Condition Monitoring
										3FDW-312 - Full Stroke (Closed)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring
3FDW-313	O FD-121D-03-01	MA	Category B	GA	Yes	NA	3			3FDW-313 - Full Stroke (Open)	Tested once quarterly
										3FDW-313 - Full Stroke (Closed)	Tested once quarterly
3FDW-314	O FD-121D-03-01	MA	Category B	GA	Yes	NA	3			3FDW-314 - Full Stroke (Open)	Tested once quarterly
										3FDW-314 - Full Stroke (Closed)	Tested once quarterly
3FDW-315	O FD-121D-03-01	AO	Category B	GL	Yes	NA	3			3FDW-315 - Stroke Time (Open to Closed)	Tested once quarterly
										3FDW-315 - Stroke Time (Closed to Open)	Tested once quarterly
										3FDW-315 - Position Indicator (Open)	Tested once every two years

OCONEE NUCLEAR STATION

FDW - FEEDWATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										3FDW-315 - Position Indicator (Closed)	Tested once every two years
3FDW-316	O FD-121D-03-01	AO	Category B	GL	Yes	NA	3			3FDW-316 - Stroke Time (Open to Closed)	Tested once quarterly
										3FDW-316 - Stroke Time (Closed to Open)	Tested once quarterly
										3FDW-316 - Position Indicator (Open)	Tested once every two years
										3FDW-316 - Position Indicator (Closed)	Tested once every two years
3FDW-317	O FD-121D-03-01	SA	Category C	CK	Yes	NA	2			3FDW-317 - Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
3FDW-318	O FD-121D-03-01	SA	Category C	CK	Yes	NA	3			3FDW-318 - Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
3FDW-345	O FD-121D-03-01	SA	Category C	CK	Yes	NA	2			3FDW-345 - Full Stroke (Open)	Condition Monitoring

OCONEE NUCLEAR STATION

FDW - FEEDWATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Sample Disassembly (Closed to Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
3FDW-346	O FD-121D-03-01	SA	Category C	CK	Yes	NA	2			3FDW-346 - Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
3FDW-347	O FD-121D-03-01	MR	Category B	GL	Yes	NA	3			3FDW-347 - Stroke Time (Open to Closed)	Tested once quarterly
										3FDW-347 - Stroke Time (Closed to Open)	Tested once quarterly
										3FDW-347 - Position Indicator (Open)	Tested once every two years
										3FDW-347 - Position Indicator (Closed)	Tested once every two years
3FDW-368	O FD-121D-03-01	MR	Category B	GA	No	NA	3			3FDW-368 - Position Indicator (Open)	Tested once every two years
										3FDW-368 - Position Indicator (Closed)	Tested once every two years
3FDW-369	O FD-121D-03-01	MR	Category B	GA	No	NA	3			3FDW-369 - Position Indicator (Open)	Tested once every two years

OCONEE NUCLEAR STATION

FDW - FEEDWATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										3FDW-369 - Position Indicator (Closed)	Tested once every two years
3FDW-370	O FD-121D-03-01	SA	Category B	CK	Yes	NA	3			3FDW-370 - Full Stroke (Open)	Tested once quarterly
										Full Stroke (Open)	Tested every refueling outage
3FDW-372	O FD-121D-03-01	MR	Category B	GA	No	NA	3			3FDW-372 - Position Indicator (Open)	Tested once every two years
										3FDW-372 - Position Indicator (Closed)	Tested once every two years
3FDW-373	O FD-121D-03-01	SA	Category C	CK	Yes	NA	3			3FDW-373 - Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
3FDW-378	O FD-121D-03-01	SA	Category C	CK	Yes	NA	3			3FDW-378 - Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
										Full Stroke (Open)	Condition Monitoring
3FDW-380	O FD-121D-03-01	SA	Category B	CK	Yes	NA	3			3FDW-380 - Full Stroke (Open)	Tested once quarterly

OCONEE NUCLEAR STATION

FDW - FEEDWATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Full Stroke (Open)	Tested every refueling outage
3FDW-382	O FD-121D-03-01	MR	Category B	GA	No	NA	3			3FDW-382 - Position Indicator (Open)	Tested once every two years
										3FDW-382 - Position Indicator (Closed)	Tested once every two years
3FDW-383	O FD-121D-03-01	SA	Category C	CK	Yes	NA	3			3FDW-383 - Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
3FDW-388	O FD-121D-03-01	SA	Category C	CK	Yes	NA	3			3FDW-388 - Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
										Full Stroke (Open)	Condition Monitoring
3FDW-432	O FD-121D-03-01	SA	Category C	CK	Yes	NA	2			3FDW-432 - Sample Disassembly (Opn to Cls)	Condition Monitoring
										3FDW-432 - Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
3FDW-442	O FD-121D-03-01	SA	Category C	CK	Yes	NA	2			3FDW-442 - Full Stroke	Condition Monitoring

OCONEE NUCLEAR STATION

FDW - FEEDWATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										(Open)	
										Sample Disassembly (Closed to Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
3FDW-582	O FD-121B-03-05	SA	Category C	RV	Yes	NA	2			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
3FDW-583	O FD-121B-03-05	SA	Category C	RV	Yes	NA	2			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
3FDW-584	O FD-110A-03-01	SA	Category C	RV	Yes	NA	2			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
3FDW-585	O FD-110A-03-01	SA	Category C	RV	Yes	NA	2			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule

OCONEE NUCLEAR STATION

FO - FUEL OIL

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
FO-50	O FD-135A-01-02	SA	Category C	CK	Yes	NA	3			FO-50 - Full Stroke (Open)	Condition Monitoring
										Non-safety Direction Stroke (Closed)	Condition Monitoring
FO-52	O FD-135A-01-02	SA	Category C	RV	No	NA	3			FO-52 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule

OCONEE NUCLEAR STATION

GWD - GASEOUS WASTE DISPOSAL

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1GWD-12	O FD-107A-01-01	ML	Category A	DP	Yes	NA	2			1GWD-12 - Stroke Time (Opn to CIs)	Tested once quarterly
										1GWD-12 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
										1GWD-12 - Position Indicator (Open)	Tested once every two years
										1GWD-12 - Position Indicator (Closed)	Tested once every two years
1GWD-13	O FD-107A-01-01	AO	Category A	DP	Yes	NA	2			1GWD-13 - Stroke Time (Opn to CIs)	Tested once quarterly
										1GWD-13 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
										1GWD-13 - Position Indicator (Open)	Tested once every two years
										1GWD-13 - Position Indicator (Closed)	Tested once every two years
1GWD-19	O FD-101A-01-02	AO	Category B	DP	No	NA	2			Position Indicator (Closed)	Tested once every two years
2GWD-12	O FD-107A-02-01	ML	Category A	DP	Yes	NA	2			2GWD-12 - Stroke Time (Opn to CIs)	Tested once quarterly
										2GWD-12 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage

OCONEE NUCLEAR STATION

GWD - GASEOUS WASTE DISPOSAL

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										2GWD-12 - Position Indicator (Open)	Tested once every two years
										2GWD-12 - Position Indicator (Closed)	Tested once every two years
2GWD-13	O FD-107A-02-01	AO	Category A	DP	Yes	NA	2			2GWD-13 - Fast Acting Stroke Time (Opn to Cls)	Tested once quarterly
										2GWD-13 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
										2GWD-13 - Position Indicator (Open)	Tested once every two years
										2GWD-13 - Position Indicator (Closed)	Tested once every two years
										Stroke Time (Open to Closed)	Tested once quarterly
2GWD-19	O FD-101A-02-02	AO	Category B	DP	No	NA	2			Position Indicator (Closed)	Tested once every two years
3GWD-12	O FD-107A-03-01	ML	Category A	DP	Yes	NA	2			3GWD-12 - Stroke Time (Opn to Cls)	Tested once quarterly
										3GWD-12 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
										3GWD-12 - Position Indicator (Open)	Tested once every two years
										3GWD-12 - Position Indicator (Closed)	Tested once every two years

OCONEE NUCLEAR STATION

GWD - GASEOUS WASTE DISPOSAL

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
3GWD-13	O FD-107A-03-01	AO	Category A	DP	Yes	NA	2			3GWD-13 - Fast Acting Stroke Time (Opn to Cls)	Tested once quarterly
										3GWD-13 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
										3GWD-13 - Position Indicator (Open)	Tested once every two years
										3GWD-13 - Position Indicator (Closed)	Tested once every two years
										Stroke Time (Open to Closed)	Tested once quarterly
3GWD-19	O FD-101A-03-02	AO	Category B	DP	No	NA	2			Position Indicator (Closed)	Tested once every two years

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1HP-3	O FD-101A-01-01	ML	Category A	GL	Yes	NA	1		ON-HP07	1HP-3 - Stroke Time (Opn to Cls)	Tested every cold shutdown
										1HP-3 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										1HP-3 - Position Indicator (Open)	Tested once every two years
										1HP-3 - Position Indicator (Closed)	Tested once every two years
1HP-4	O FD-101A-01-01	ML	Category A	GL	Yes	NA	1		ON-HP07	1HP-4 - Stroke Time (Opn to Cls)	Tested every cold shutdown
										1HP-4 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										1HP-4 - Position Indicator (Open)	Tested once every two years
										1HP-4 - Position Indicator (Closed)	Tested once every two years
1HP-5	O FD-101A-01-01	AO	Category A	BV	Yes	NA	2		ON-HP01	1HP-5 - Fast Acting Stroke Time (Opn to Cls)	Tested every cold shutdown
										1HP-5 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										1HP-5 - Position Indicator (Open)	Tested once every two years
										1HP-5 - Position	Tested once every two

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Indicator (Closed)	years
1HP-20	O FD-101A-01-01	ML	Category A	GL	Yes	NA	2		ON-HP02	1HP-20 - Stroke Time (Opn to Cls)	Tested every cold shutdown
										1HP-20 - Position Indicator (Open)	Tested once every two years
										1HP-20 - Position Indicator (Closed)	Tested once every two years
										Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1HP-21	O FD-101A-01-01	AO	Category A	BV	Yes	NA	2		ON-HP02	1HP-21 - Stroke Time (Opn to Cls)	Tested every cold shutdown
										1HP-21 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										1HP-21 - Position Indicator (Open)	Tested once every two years
										1HP-21 - Position Indicator (Closed)	Tested once every two years
										Fast Acting Stroke Time (Open to Closed)	Tested every cold shutdown
1HP-23	O FD-101A-01-02	ML	Category B	GA	No	NA	2			1HP-23 - Position Indicator (Open)	Tested once every two years
										1HP-23 - Position Indicator (Closed)	Tested once every two years
1HP-24	O FD-101A-01-03	ML	Category B	GA	Yes	NA	2			1HP-24 - Stroke Time	Tested once quarterly

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										(Cls to Opn)	
										1HP-24 - Position Indicator (Open)	Tested once every two years
										1HP-24 - Position Indicator (Closed)	Tested once every two years
1HP-25	O FD-101A-01-03	ML	Category B	GA	Yes	NA	2			1HP-25 - Stroke Time (Cls to Opn)	Tested once quarterly
										1HP-25 - Position Indicator (Open)	Tested once every two years
										1HP-25 - Position Indicator (Closed)	Tested once every two years
1HP-26	O FD-101A-01-04	ML	Category B	GL	Yes	NA	2		ON-HP03	1HP-26 - Stroke Time (Open to Closed)	Tested every cold shutdown
										1HP-26 - Stroke Time (Closed to Open)	Tested every cold shutdown
										1HP-26 - Position Indicator (Open)	Tested once every two years
										1HP-26 - Position Indicator (Closed)	Tested once every two years
1HP-27	O FD-101A-01-04	ML	Category B	GL	Yes	NA	2			1HP-27 - Stroke Time (Open to Closed)	Tested once quarterly
										1HP-27 - Stroke Time (Closed to Open)	Tested once quarterly
										1HP-27 - Position Indicator (Open)	Tested once every two years

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										1HP-27 - Position Indicator (Closed)	Tested once every two years
1HP-78	O FD-101A-01-02	SA	Category C	CK	Yes	NA	2			1HP-78 - Full Stroke (Open)	Condition Monitoring
										Non-safety Direction Stroke (Closed)	Condition Monitoring
										Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring
1HP-79	O FD-101A-01-02	SA	Category C	RV	No	NA	2			1HP-79 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
1HP-97	O FD-101A-01-02	SA	Category AC	CK	Yes	NA	2			1HP-97 - Leak Test - ASME OM (Accident Direction)	Tested once every two years
										1HP-97 - Full Stroke (Closed)	Condition Monitoring
										1HP-97 - Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring
1HP-98	O FD-101A-01-03	ML	Category B	GA	No	NA	2			1HP-98 - Position Indicator (Open)	Tested once every two years
										1HP-98 - Position Indicator (Closed)	Tested once every two years
1HP-101	O FD-101A-01-03	SA	Category AC	CK	Yes	NA	2			1HP-101 - Leak Test - ASME OM (Accident	Tested once every two

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Directi	years
										1HP-101 - Full Stroke (Closed)	Condition Monitoring
										1HP-101 - Partial Stroke (Open)	Condition Monitoring
										1HP-101 - Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring
1HP-102	O FD-101A-01-03	SA	Category AC	CK	Yes	NA	2			1HP-102 - Leak Test - ASME OM (Accident Directi	Tested once every two years
										1HP-102 - Full Stroke (Closed)	Condition Monitoring
										1HP-102 - Partial Stroke (Open)	Condition Monitoring
										1HP-102 - Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring
1HP-104	O FD-101A-01-03	SA	Category C	RV	No	NA	2			1HP-104 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
1HP-105	O FD-101A-01-03	SA	Category C	CK	Yes	NA	2			1HP-105 - Full Stroke (Closed)	Condition Monitoring
										1HP-105 - Full Stroke (Open)	Condition Monitoring

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										1HP-105 - Partial Stroke (Open)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring
1HP-108	O FD-101A-01-03	SA	Category C	RV	No	NA	2			1HP-108 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
1HP-109	O FD-101A-01-03	SA	Category C	CK	Yes	NA	2			1HP-109 - Full Stroke (Closed)	Condition Monitoring
										1HP-109 - Full Stroke (Open)	Condition Monitoring
										1HP-109 - Partial Stroke (Open)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring
1HP-112	O FD-101A-01-03	SA	Category C	RV	No	NA	2			1HP-112 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
1HP-113	O FD-101A-01-03	SA	Category C	CK	Yes	NA	2			1HP-113 - Full Stroke (Closed)	Condition Monitoring
										1HP-113 - Full Stroke (Open)	Condition Monitoring
										1HP-113 - Partial Stroke (Open)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1HP-115	O FD-101A-01-03	MR	Category B	GA	No	NA	2			1HP-115 - Position Indicator (Open)	Tested once every two years
										1HP-115 - Position Indicator (Closed)	Tested once every two years
1HP-144	O FD-101A-01-04	SA	Category AC	CK	Yes	NA	2		ON-HP17	1HP-144 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
										1HP-144 - Full Stroke (Closed)	Tested every refueling outage
										1HP-144 - Full Stroke (Open)	Tested once quarterly
										Full Stroke (Open)	Tested every cold shutdown
1HP-145	O FD-101A-01-04	SA	Category AC	CK	Yes	NA	2		ON-HP17	1HP-145 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
										1HP-145 - Full Stroke (Closed)	Tested every refueling outage
										1HP-145 - Full Stroke (Open)	Tested once quarterly
										Full Stroke (Open)	Tested every cold shutdown
1HP-146	O FD-101A-01-04	SA	Category AC	CK	Yes	NA	2		ON-HP17	1HP-146 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
										1HP-146 - Full Stroke (Closed)	Tested every refueling outage

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										1HP-146 - Full Stroke (Open)	Tested once quarterly
										Full Stroke (Open)	Tested every cold shutdown
1HP-147	O FD-101A-01-04	SA	Category AC	CK	Yes	NA	2		ON-HP17	1HP-147 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
										1HP-147 - Full Stroke (Closed)	Tested every refueling outage
										1HP-147 - Full Stroke (Open)	Tested once quarterly
										Full Stroke (Open)	Tested every cold shutdown
1HP-155	O FD-127B-01-02	MA	Category A	GL	No	NA	2			1HP-155 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
1HP-156	O FD-127B-01-02	MA	Category A	GL	No	NA	2			1HP-156 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
1HP-188	O FD-101A-01-04	SA	Category C	CK	Yes	NA	1			1HP-188 - Sample Disassembly (Opn to Cls)	Condition Monitoring
										1HP-188 - Full Stroke (Open)	Condition Monitoring
										1HP-188 - Partial Stroke (Open)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1HP-189	O FD-101A-01-02	SA	Category C	CK	Yes	NA	2			1HP-189 - Sample Disassembly (Cls to Opn)	Condition Monitoring
										1HP-189 - Partial Stroke (Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
1HP-194	O FD-101A-01-04	SA	Category C	CK	Yes	NA	1			1HP-194 - Sample Disassembly (Opn to Cls)	Condition Monitoring
										1HP-194 - Full Stroke (Open)	Condition Monitoring
										1HP-194 - Partial Stroke (Open)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
1HP-248	O FD-101A-01-03	SA	Category C	CK	Yes	NA	2			Full Stroke (Open)	Condition Monitoring
										Non-safety Direction Stroke (Closed)	Condition Monitoring
1HP-250	O FD-101A-01-03	SA	Category C	CK	Yes	NA	2			Full Stroke (Open)	Condition Monitoring
										Non-safety Direction Stroke (Closed)	Condition Monitoring
1HP-252	O FD-101A-01-03	SA	Category C	CK	Yes	NA	2			Full Stroke (Closed)	Condition Monitoring

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Non-safety Direction Stroke (Open)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring
1HP-254	O FD-101A-01-04	SA	Category C	CK	Yes	NA	1			Full Stroke (Closed)	Condition Monitoring
										Non-safety Direction Stroke (Open)	Condition Monitoring
1HP-390	O FD-101A-01-04	SA	Category AC	CK	Yes	NA	2		ON-HP17	1HP-390 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
										1HP-390 - Full Stroke (Closed)	Tested every refueling outage
										1HP-390 - Full Stroke (Open)	Tested once quarterly
										Full Stroke (Open)	Tested every cold shutdown
1HP-393	O FD-101A-01-04	SA	Category AC	CK	Yes	NA	2		ON-HP17	1HP-393 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
										1HP-393 - Full Stroke (Closed)	Tested every refueling outage
										1HP-393 - Full Stroke (Open)	Tested once quarterly
										Full Stroke (Open)	Tested every cold shutdown
1HP-398	O FD-101A-01-05	MR	Category B	GA	Yes	NA	2		ON-SSF03	1HP-398 - Stroke Time	Tested every cold

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										(Cls to Opn)	shutdown
										1HP-398 - Position Indicator (Open)	Tested once every two years
										1HP-398 - Position Indicator (Closed)	Tested once every two years
1HP-399	O FD-101A-01-05	SA	Category C	CK	Yes	NA	2		ON-SSF02	1HP-399 - Full Stroke (Open)	Tested every cold shutdown
										Non-safety Direction Stroke (Closed)	Tested every refueling outage
1HP-400	O FD-101A-01-05	SA	Category C	CK	Yes	NA	2		ON-SSF02	1HP-400 - Full Stroke (Open)	Tested every cold shutdown
										Non-safety Direction Stroke (Closed)	Tested every refueling outage
1HP-401	O FD-101A-01-05	SA	Category C	CK	Yes	NA	2		ON-SSF02	1HP-401 - Full Stroke (Open)	Tested every cold shutdown
										Non-safety Direction Stroke (Closed)	Tested every refueling outage
1HP-402	O FD-101A-01-05	SA	Category C	CK	Yes	NA	2		ON-SSF02	1HP-402 - Full Stroke (Open)	Tested every cold shutdown
										Non-safety Direction Stroke (Closed)	Tested every refueling outage
1HP-404	O FD-101A-01-05	SA	Category C	RV	No	NA	2			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1HP-405	O FD-101A-01-05	MR	Category A	GA	No	NA	2			1HP-405 - Position Indicator (Closed)	Tested once every two years
										1HP-405 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
1HP-409	O FD-101A-01-04	ML	Category B	GL	Yes	NA	2		ON-HP04	1HP-409 - Stroke Time (Open to Closed)	Tested every cold shutdown
										1HP-409 - Stroke Time (Closed to Open)	Tested every cold shutdown
										1HP-409 - Position Indicator (Open)	Tested once every two years
										1HP-409 - Position Indicator (Closed)	Tested once every two years
1HP-410	O FD-101A-01-04	ML	Category B	GL	Yes	NA	2		ON-HP04	1HP-410 - Stroke Time (Open to Closed)	Tested every cold shutdown
										1HP-410 - Stroke Time (Closed to Open)	Tested every cold shutdown
										1HP-410 - Position Indicator (Open)	Tested once every two years
										1HP-410 - Position Indicator (Closed)	Tested once every two years
1HP-417	O FD-101A-01-05	ML	Category A	GL	No	NA	2			1HP-417 - Position Indicator (Closed)	Tested once every two years
										1HP-417 - Leak Test - Appendix J (Accident	Tested every refueling outage

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Directi	
1HP-426	O FD-101A-01-05	ML	Category A	GL	Yes	NA	2		ON-SSF04	1HP-426 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
										1HP-426 - Stroke Time (Open to Closed)	Tested every cold shutdown
										1HP-426 - Stroke Time (Closed to Open)	Tested every cold shutdown
										1HP-426 - Position Indicator (Open)	Tested once every two years
										1HP-426 - Position Indicator (Closed)	Tested once every two years
1HP-428	O FD-101A-01-05	ML	Category A	GL	Yes	NA	2			1HP-428 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
										1HP-428 - Stroke Time (Open to Closed)	Tested once quarterly
										1HP-428 - Stroke Time (Open to Closed)	Tested every refueling outage
										1HP-428 - Stroke Time (Closed to Open)	Tested once quarterly
										1HP-428 - Stroke Time (Closed to Open)	Tested every refueling outage
										1HP-428 - Position Indicator (Open)	Tested once every two years
										1HP-428 - Position Indicator (Closed)	Tested once every two years

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Activ.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1HP-451	O FD-101A-01-04	SA	Category C	CK	Yes	NA	1			1HP-451 - Sample Disassembly (Opn to Cls)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
1HP-453	O FD-101A-01-04	SA	Category C	CK	Yes	NA	1			1HP-453 - Sample Disassembly (Opn to Cls)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
1HP-454	O FD-101A-01-04	SA	Category AC	CK	Yes	NA	2		ON-HP17	1HP-454 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
										1HP-454 - Full Stroke (Closed)	Tested every refueling outage
										1HP-454 - Full Stroke (Open)	Tested once quarterly
										Full Stroke (Open)	Tested every cold shutdown
1HP-457	O FD-101A-01-04	SA	Category AC	CK	Yes	NA	2		ON-HP17	1HP-457 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
										1HP-457 - Full Stroke (Closed)	Tested every refueling outage
										1HP-457 - Full Stroke (Open)	Tested once quarterly
										Full Stroke (Open)	Tested every cold shutdown

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1HP-486	O FD-101A-01-04	SA	Category C	CK	Yes	NA	1			1HP-486 - Sample Disassembly (Opn to Cls)	Condition Monitoring
										1HP-486 - Full Stroke (Open)	Condition Monitoring
										1HP-486 - Partial Stroke (Open)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
1HP-487	O FD-101A-01-04	SA	Category C	CK	Yes	NA	1			1HP-487 - Sample Disassembly (Opn to Cls)	Condition Monitoring
										1HP-487 - Full Stroke (Open)	Condition Monitoring
										1HP-487 - Partial Stroke (Open)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
1HP-488	O FD-101A-01-04	SA	Category C	CK	Yes	NA	1			1HP-488 - Sample Disassembly (Opn to Cls)	Condition Monitoring
										1HP-488 - Full Stroke (Open)	Condition Monitoring
										1HP-488 - Partial Stroke (Open)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
1HP-489	O FD-101A-01-04	SA	Category C	CK	Yes	NA	1			1HP-489 - Sample Disassembly (Opn to	Condition Monitoring

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Cls)	
										1HP-489 - Full Stroke (Open)	Condition Monitoring
										1HP-489 - Partial Stroke (Open)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
1HP-934	O FD-101A-01-01	SA	Category AC	RV	Yes	NA	2			1HP-934 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
										Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
1HP-935	O FD-101A-01-01	SA	Category AC	RV	Yes	NA	2			1HP-935 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
										Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
1HP-936	O FD-101A-01-05	SA	Category AC	RV	Yes	NA	2			1HP-936 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
										Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
1HP-939	O FD-101A-01-02	ML	Category B	GA	Yes	NA	2		ON-HP23	Stroke Time (Closed to Open)	Tested every refueling outage
										Position Indicator (Closed)	Tested once every two years
										Position Indicator	Tested once every two

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										(Open)	years
1HP-940	O FD-101A-01-02	ML	Category B	GA	Yes	NA	2		ON-HP23	Stroke Time (Closed to Open)	Tested every refueling outage
										Position Indicator (Closed)	Tested once every two years
										Position Indicator (Open)	Tested once every two years
1HP-973	O FD-101A-01-02	SA	Category C	CK	Yes	NA	2		ON-HP24	Full Stroke (Open)	Tested every refueling outage
										Full Stroke (Closed)	Tested every refueling outage
1HP-974	O FD-101A-01-02	SA	Category C	CK	Yes	NA	2		ON-HP24	Full Stroke (Open)	Tested every refueling outage
										Full Stroke (Closed)	Tested every refueling outage
2HP-3	O FD-101A-02-01	ML	Category A	GL	Yes	NA	1		ON-HP07	2HP-3 - Stroke Time (Opn to Cls)	Tested every cold shutdown
										2HP-3 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										2HP-3 - Position Indicator (Open)	Tested once every two years
										2HP-3 - Position Indicator (Closed)	Tested once every two years

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
2HP-4	O FD-101A-02-01	ML	Category A	GL	Yes	NA	1		ON-HP07	2HP-4 - Stroke Time (Opn to CIs)	Tested every cold shutdown
										2HP-4 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										2HP-4 - Position Indicator (Open)	Tested once every two years
										2HP-4 - Position Indicator (Closed)	Tested once every two years
2HP-5	O FD-101A-02-01	AO	Category A	BV	Yes	NA	2		ON-HP01	2HP-5 - Stroke Time (Opn to CIs)	Tested every cold shutdown
										2HP-5 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										2HP-5 - Position Indicator (Open)	Tested once every two years
										2HP-5 - Position Indicator (Closed)	Tested once every two years
2HP-20	O FD-101A-02-01	ML	Category A	GA	Yes	NA	2		ON-HP02	2HP-20 - Stroke Time (Opn to CIs)	Tested every cold shutdown
										2HP-20 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										2HP-20 - Position Indicator (Open)	Tested once every two years
										2HP-20 - Position	Tested once every two

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Indicator (Closed)	years
2HP-21	O FD-101A-02-01	AO	Category A	BV	Yes	NA	2		ON-HP02	2HP-21 - Fast Acting Stroke Time (Opn to Cls)	Tested every cold shutdown
										2HP-21 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										2HP-21 - Position Indicator (Open)	Tested once every two years
										2HP-21 - Position Indicator (Closed)	Tested once every two years
2HP-23	O FD-101A-02-02	ML	Category B	GA	No	NA	2			2HP-23 - Position Indicator (Open)	Tested once every two years
										2HP-23 - Position Indicator (Closed)	Tested once every two years
2HP-24	O FD-101A-02-03	ML	Category B	GA	Yes	NA	2			2HP-24 - Stroke Time (Cls to Opn)	Tested once quarterly
										2HP-24 - Position Indicator (Open)	Tested once every two years
										2HP-24 - Position Indicator (Closed)	Tested once every two years
2HP-25	O FD-101A-02-03	ML	Category B	GA	Yes	NA	2			2HP-25 - Stroke Time (Cls to Opn)	Tested once quarterly
										2HP-25 - Position Indicator (Open)	Tested once every two years

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										2HP-25 - Position Indicator (Closed)	Tested once every two years
2HP-26	O FD-101A-02-04	ML	Category B	GL	Yes	NA	2		ON-HP03	2HP-26 - Stroke Time (Open to Closed)	Tested every cold shutdown
										2HP-26 - Stroke Time (Closed to Open)	Tested every cold shutdown
										2HP-26 - Position Indicator (Open)	Tested once every two years
										2HP-26 - Position Indicator (Closed)	Tested once every two years
2HP-27	O FD-101A-02-04	ML	Category B	GL	Yes	NA	2			2HP-27 - Stroke Time (Open to Closed)	Tested once quarterly
										2HP-27 - Stroke Time (Closed to Open)	Tested once quarterly
										2HP-27 - Position Indicator (Open)	Tested once every two years
										2HP-27 - Position Indicator (Closed)	Tested once every two years
2HP-78	O FD-101A-02-02	SA	Category C	CK	Yes	NA	2			2HP-78 - Full Stroke (Open)	Condition Monitoring
										Non-safety Direction Stroke (Closed)	Condition Monitoring
										Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
2HP-79	O FD-101A-02-02	SA	Category C	RV	No	NA	2			2HP-79 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
2HP-97	O FD-101A-02-02	SA	Category AC	CK	Yes	NA	2			2HP-97 - Leak Test - ASME OM (Accident Direction)	Tested once every two years
										2HP-97 - Full Stroke (Closed)	Condition Monitoring
										2HP-97 - Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring
2HP-98	O FD-101A-02-03	ML	Category B	GA	No	NA	2			2HP-98 - Position Indicator (Open)	Tested once every two years
										2HP-98 - Position Indicator (Closed)	Tested once every two years
2HP-101	O FD-101A-02-03	SA	Category AC	CK	Yes	NA	2			2HP-101 - Leak Test - ASME OM (Accident Directi	Tested once every two years
										2HP-101 - Full Stroke (Closed)	Condition Monitoring
										2HP-101 - Partial Stroke (Open)	Condition Monitoring
										2HP-101 - Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
2HP-102	O FD-101A-02-03	SA	Category AC	CK	Yes	NA	2			2HP-102 - Leak Test - ASME OM (Accident Directi	Tested once every two years
										2HP-102 - Full Stroke (Closed)	Condition Monitoring
										2HP-102 - Partial Stroke (Open)	Condition Monitoring
										2HP-102 - Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring
2HP-104	O FD-101A-02-03	SA	Category C	RV	No	NA	2			2HP-104 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
2HP-105	O FD-101A-02-03	SA	Category C	CK	Yes	NA	2			2HP-105 - Full Stroke (Closed)	Condition Monitoring
										2HP-105 - Full Stroke (Open)	Condition Monitoring
										2HP-105 - Partial Stroke (Open)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring
2HP-108	O FD-101A-02-03	SA	Category C	RV	No	NA	2			2HP-108 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
2HP-109	O FD-101A-02-03	SA	Category C	CK	Yes	NA	2			2HP-109 - Full Stroke (Closed)	Condition Monitoring

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										2HP-109 - Full Stroke (Open)	Condition Monitoring
										2HP-109 - Partial Stroke (Open)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring
2HP-112	O FD-101A-02-03	SA	Category C	RV	No	NA	2			2HP-112 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
2HP-113	O FD-101A-02-03	SA	Category C	CK	Yes	NA	2			2HP-113 - Full Stroke (Closed)	Condition Monitoring
										2HP-113 - Full Stroke (Open)	Condition Monitoring
										2HP-113 - Partial Stroke (Open)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring
2HP-115	O FD-101A-02-03	MR	Category B	GA	No	NA	2			2HP-115 - Position Indicator (Open)	Tested once every two years
										2HP-115 - Position Indicator (Closed)	Tested once every two years
2HP-144	O FD-101A-02-04	SA	Category AC	CK	Yes	NA	2		ON-HP17	2HP-144 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
										2HP-144 - Full Stroke (Closed)	Tested every refueling outage

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										2HP-144 - Full Stroke (Open)	Tested once quarterly
										Full Stroke (Open)	Tested every cold shutdown
2HP-145	O FD-101A-02-04	SA	Category AC	CK	Yes	NA	2		ON-HP17	2HP-145 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
										2HP-145 - Full Stroke (Closed)	Tested every refueling outage
										2HP-145 - Full Stroke (Open)	Tested once quarterly
										Full Stroke (Open)	Tested every cold shutdown
2HP-146	O FD-101A-02-04	SA	Category AC	CK	Yes	NA	2		ON-HP17	2HP-146 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
										2HP-146 - Full Stroke (Closed)	Tested every refueling outage
										2HP-146 - Full Stroke (Open)	Tested once quarterly
										Full Stroke (Open)	Tested every cold shutdown
2HP-147	O FD-101A-02-04	SA	Category AC	CK	Yes	NA	2		ON-HP17	2HP-147 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
										2HP-147 - Full Stroke (Closed)	Tested every refueling outage
										2HP-147 - Full Stroke	Tested once quarterly

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										(Open)	
										Full Stroke (Open)	Tested every cold shutdown
2HP-155	O FD-127B-02-02	MA	Category A	GL	No	NA	2			2HP-155 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
2HP-156	O FD-127B-02-02	MA	Category A	GL	No	NA	2			2HP-156 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
2HP-188	O FD-101A-02-04	SA	Category C	CK	Yes	NA	1			2HP-188 - Sample Disassembly (Opn to Cls)	Condition Monitoring
										2HP-188 - Full Stroke (Open)	Condition Monitoring
										2HP-188 - Partial Stroke (Open)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
2HP-189	O FD-101A-02-02	SA	Category C	CK	Yes	NA	2			2HP-189 - Sample Disassembly (Cls to Opn)	Condition Monitoring
										2HP-189 - Partial Stroke (Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
2HP-194	O FD-101A-02-04	SA	Category C	CK	Yes	NA	1			2HP-194 - Sample Disassembly (Opn to Cls)	Condition Monitoring

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										2HP-194 - Full Stroke (Open)	Condition Monitoring
										2HP-194 - Partial Stroke (Open)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
2HP-248	O FD-101A-02-03	SA	Category C	CK	Yes	NA	2			Full Stroke (Open)	Condition Monitoring
										Full Stroke (Closed)	Condition Monitoring
2HP-250	O FD-101A-02-03	SA	Category C	CK	Yes	NA	2			2HP-250 - Full Stroke (Open)	Condition Monitoring
										Full Stroke (Closed)	Condition Monitoring
2HP-252	O FD-101A-02-03	SA	Category AC	CK	Yes	NA	2			Non-safety Direction Stroke (Open)	Condition Monitoring
										Full Stroke (Closed)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring
2HP-389	O FD-101A-02-04	SA	Category AC	CK	Yes	NA	2		ON-HP17	2HP-389 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
										2HP-389 - Full Stroke (Closed)	Tested every refueling outage
										2HP-389 - Full Stroke (Open)	Tested once quarterly

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Full Stroke (Open)	Tested every cold shutdown
2HP-390	O FD-101A-02-04	SA	Category AC	CK	Yes	NA	2		ON-HP17	2HP-390 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
										2HP-390 - Full Stroke (Closed)	Tested every refueling outage
										2HP-390 - Full Stroke (Open)	Tested once quarterly
										Full Stroke (Open)	Tested every cold shutdown
2HP-398	O FD-101A-02-05	MR	Category B	GA	Yes	NA	2		ON-SSF03	2HP-398 - Stroke Time (Cis to Opn)	Tested every cold shutdown
										2HP-398 - Position Indicator (Open)	Tested once every two years
										2HP-398 - Position Indicator (Closed)	Tested once every two years
2HP-399	O FD-101A-02-05	SA	Category C	CK	Yes	NA	2		ON-SSF02	2HP-399 - Full Stroke (Open)	Tested every cold shutdown
										Non-safety Direction Stroke (Closed)	Tested every refueling outage
2HP-400	O FD-101A-02-05	SA	Category C	CK	Yes	NA	2		ON-SSF02	2HP-400 - Full Stroke (Open)	Tested every cold shutdown
										Non-safety Direction Stroke (Closed)	Tested every refueling outage

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
2HP-401	O FD-101A-02-05	SA	Category C	CK	Yes	NA	2		ON-SSF02	2HP-401 - Full Stroke (Open)	Tested every cold shutdown
										Non-safety Direction Stroke (Closed)	Tested every refueling outage
2HP-402	O FD-101A-02-05	SA	Category C	CK	Yes	NA	2		ON-SSF02	2HP-402 - Full Stroke (Open)	Tested every cold shutdown
										Non-safety Direction Stroke (Closed)	Tested every refueling outage
2HP-404	O FD-101A-02-05	SA	Category C	RV	No	NA	2			2HP-404 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
2HP-405	O FD-101A-02-05	MR	Category A	GA	No	NA	2			2HP-405 - Position Indicator (Closed)	Tested once every two years
										2HP-405 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
2HP-409	O FD-101A-02-04	ML	Category B	GL	Yes	NA	2		ON-HP04	2HP-409 - Stroke Time (Open to Closed)	Tested every cold shutdown
										2HP-409 - Stroke Time (Closed to Open)	Tested every cold shutdown
										2HP-409 - Position Indicator (Open)	Tested once every two years
										2HP-409 - Position Indicator (Closed)	Tested once every two years
2HP-410	O FD-101A-02-04	ML	Category B	GL	Yes	NA	2		ON-HP04	2HP-410 - Stroke Time	Tested every cold

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										(Open to Closed)	shutdown
										2HP-410 - Stroke Time (Closed to Open)	Tested every cold shutdown
										2HP-410 - Position Indicator (Open)	Tested once every two years
										2HP-410 - Position Indicator (Closed)	Tested once every two years
2HP-417	O FD-101A-02-05	ML	Category A	GL	No	NA	2			2HP-417 - Position Indicator (Closed)	Tested once every two years
										2HP-417 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
										Stroke Time (Closed to Open)	Tested once quarterly
										Stroke Time (Closed to Open)	No specified test frequency
										Position Indicator (Open)	Tested once every two years
2HP-426	O FD-101A-02-05	ML	Category A	GL	Yes	NA	2		ON-SSF04	2HP-426 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
										2HP-426 - Stroke Time (Open to Closed)	Tested every cold shutdown
										2HP-426 - Stroke Time (Closed to Open)	Tested every cold shutdown
										2HP-426 - Position Indicator (Open)	Tested once every two years

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										2HP-426 - Position Indicator (Closed)	Tested once every two years
2HP-428	O FD-101A-02-05	ML	Category A	GL	Yes	NA	2			2HP-428 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
										2HP-428 - Stroke Time (Open to Closed)	Tested once quarterly
										2HP-428 - Stroke Time (Open to Closed)	No specified test frequency
										2HP-428 - Stroke Time (Closed to Open)	Tested once quarterly
										2HP-428 - Stroke Time (Closed to Open)	No specified test frequency
										2HP-428 - Position Indicator (Open)	Tested once every two years
										2HP-428 - Position Indicator (Closed)	Tested once every two years
2HP-451	O FD-101A-02-04	SA	Category C	CK	Yes	NA	1			2HP-451 - Sample Disassembly (Opn to Cls)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
2HP-453	O FD-101A-02-04	SA	Category C	CK	Yes	NA	1			2HP-453 - Sample Disassembly (Opn to Cls)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
2HP-454	O FD-101A-02-04	SA	Category AC	CK	Yes	NA	2		ON-HP17	2HP-454 - Leak Test - Appendix J (Accident	Tested every refueling

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Directi	outage
										2HP-454 - Full Stroke (Closed)	Tested every refueling outage
										2HP-454 - Full Stroke (Open)	Tested once quarterly
										Full Stroke (Open)	Tested every cold shutdown
2HP-457	O FD-101A-02-04	SA	Category AC	CK	Yes	NA	2		ON-HP17	2HP-457 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
										2HP-457 - Full Stroke (Closed)	Tested every refueling outage
										2HP-457 - Full Stroke (Open)	Tested once quarterly
										Full Stroke (Open)	Tested every cold shutdown
2HP-486	O FD-101A-02-04	SA	Category C	CK	Yes	NA	1			2HP-486 - Sample Disassembly (Opn to Cls)	Condition Monitoring
										2HP-486 - Full Stroke (Open)	Condition Monitoring
										2HP-486 - Partial Stroke (Open)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
2HP-487	O FD-101A-02-04	SA	Category C	CK	Yes	NA	1			2HP-487 - Sample Disassembly (Opn to Cls)	Condition Monitoring

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										2HP-487 - Full Stroke (Open)	Condition Monitoring
										2HP-487 - Partial Stroke (Open)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
2HP-488	O FD-101A-02-04	SA	Category C	CK	Yes	NA	1			2HP-488 - Sample Disassembly (Opn to Cls)	Condition Monitoring
										2HP-488 - Full Stroke (Open)	Condition Monitoring
										2HP-488 - Partial Stroke (Open)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
2HP-489	O FD-101A-02-04	SA	Category C	CK	Yes	NA	1			2HP-489 - Sample Disassembly (Opn to Cls)	Condition Monitoring
										2HP-489 - Full Stroke (Open)	Condition Monitoring
										2HP-489 - Partial Stroke (Open)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
2HP-494	O FD-101A-02-04	SA	Category C	CK	Yes	NA	1			2HP-494 - Sample Disassembly (Opn to Cls)	Condition Monitoring
										Sample Disassembly	Condition Monitoring

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										(Closed to Open)	
2HP-934	O FD-101A-02-01	SA	Category AC	RV	Yes	NA	2			2HP-934 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
										Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
2HP-935	O FD-101A-02-01	SA	Category AC	RV	Yes	NA	2			2HP-935 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
										Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
2HP-936	O FD-101A-02-05	SA	Category AC	RV	Yes	NA	2			2HP-936 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
										Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
2HP-939	O FD-101A-02-02	ML	Category B	GA	Yes	NA	2		ON-HP23	Stroke Time (Closed to Open)	Tested every refueling outage
										Position Indicator (Closed)	Tested once every two years
										Position Indicator (Open)	Tested once every two years
2HP-940	O FD-101A-02-02	ML	Category B	GA	Yes	NA	2		ON-HP23	Stroke Time (Closed to Open)	Tested every refueling outage
										Position Indicator (Closed)	Tested once every two years

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Position Indicator (Open)	Tested once every two years
2HP-973	O FD-101A-02-02	SA	Category C	CK	Yes	NA	2		ON-HP24	Full Stroke (Closed)	Tested every refueling outage
										Full Stroke (Open)	Tested every refueling outage
2HP-974	O FD-101A-02-02	SA	Category C	CK	Yes	NA	2		ON-HP24	Full Stroke (Closed)	Tested every refueling outage
										Full Stroke (Open)	Tested every refueling outage
3HP-3	O FD-101A-03-01	ML	Category A	GL	Yes	NA	1		ON-HP07	3HP-3 - Stroke Time (Opn to CIs)	Tested every cold shutdown
										3HP-3 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										3HP-3 - Position Indicator (Open)	Tested once every two years
										3HP-3 - Position Indicator (Closed)	Tested once every two years
3HP-4	O FD-101A-03-01	ML	Category A	GL	Yes	NA	1		ON-HP07	3HP-4 - Stroke Time (Opn to CIs)	Tested every cold shutdown
										3HP-4 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										3HP-4 - Position	Tested once every two

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Indicator (Open)	years
										3HP-4 - Position Indicator (Closed)	Tested once every two years
3HP-5	O FD-101A-03-01	AO	Category A	BV	Yes	NA	2		ON-HP01	3HP-5 - Fast Acting Stroke Time (Opn to Cls)	Tested every cold shutdown
										3HP-5 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										3HP-5 - Position Indicator (Open)	Tested once every two years
										3HP-5 - Position Indicator (Closed)	Tested once every two years
3HP-20	O FD-101A-03-01	ML	Category A	GL	Yes	NA	2		ON-HP02	3HP-20 - Stroke Time (Opn to Cls)	Tested every cold shutdown
										3HP-20 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										3HP-20 - Position Indicator (Open)	Tested once every two years
										3HP-20 - Position Indicator (Closed)	Tested once every two years
3HP-21	O FD-101A-03-01	AO	Category A	BV	Yes	NA	2		ON-HP02	3HP-21 - Stroke Time (Opn to Cls)	Tested every cold shutdown
										3HP-21 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										3HP-21 - Position Indicator (Open)	Tested once every two years
										3HP-21 - Position Indicator (Closed)	Tested once every two years
3HP-23	O FD-101A-03-02	ML	Category B	GA	No	NA	2			3HP-23 - Position Indicator (Open)	Tested once every two years
										3HP-23 - Position Indicator (Closed)	Tested once every two years
3HP-24	O FD-101A-03-03	ML	Category B	GA	Yes	NA	2			3HP-24 - Stroke Time (Cls to Opn)	Tested once quarterly
										3HP-24 - Position Indicator (Open)	Tested once every two years
										3HP-24 - Position Indicator (Closed)	Tested once every two years
3HP-25	O FD-101A-03-03	ML	Category B	GA	Yes	NA	2			3HP-25 - Stroke Time (Cls to Opn)	Tested once quarterly
										3HP-25 - Position Indicator (Open)	Tested once every two years
										3HP-25 - Position Indicator (Closed)	Tested once every two years
3HP-26	O FD-101A-03-04	ML	Category B	GL	Yes	NA	2		ON-HP03	3HP-26 - Stroke Time (Open to Closed)	Tested every cold shutdown
										3HP-26 - Stroke Time (Closed to Open)	Tested every cold shutdown

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										3HP-26 - Position Indicator (Open)	Tested once every two years
										3HP-26 - Position Indicator (Closed)	Tested once every two years
3HP-27	O FD-101A-03-04	ML	Category B	GL	Yes	NA	2			3HP-27 - Stroke Time (Open to Closed)	Tested once quarterly
										3HP-27 - Stroke Time (Closed to Open)	Tested once quarterly
										3HP-27 - Position Indicator (Open)	Tested once every two years
										3HP-27 - Position Indicator (Closed)	Tested once every two years
3HP-78	O FD-101A-03-02	SA	Category C	CK	Yes	NA	2			3HP-78 - Full Stroke (Open)	Condition Monitoring
										Non-safety Direction Stroke (Closed)	Condition Monitoring
										Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring
3HP-79	O FD-101A-03-02	SA	Category C	RV	No	NA	2			3HP-79 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
3HP-97	O FD-101A-03-02	SA	Category AC	CK	Yes	NA	2			3HP-97 - Leak Test - ASME OM (Accident Direction)	Tested once every two years
										3HP-97 - Full Stroke	Condition Monitoring

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										(Closed)	
										3HP-97 - Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring
3HP-98	O FD-101A-03-03	ML	Category B	GA	No	NA	2			3HP-98 - Position Indicator (Open)	Tested once every two years
										3HP-98 - Position Indicator (Closed)	Tested once every two years
3HP-101	O FD-101A-03-03	SA	Category AC	CK	Yes	NA	2			3HP-101 - Leak Test - ASME OM (Accident Directi	Tested once every two years
										3HP-101 - Full Stroke (Closed)	Condition Monitoring
										3HP-101 - Partial Stroke (Open)	Condition Monitoring
										3HP-101 - Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring
3HP-102	O FD-101A-03-03	SA	Category AC	CK	Yes	NA	2			3HP-102 - Leak Test - ASME OM (Accident Directi	Tested once every two years
										3HP-102 - Full Stroke (Closed)	Condition Monitoring
										3HP-102 - Partial Stroke (Open)	Condition Monitoring

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										3HP-102 - Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring
3HP-104	O FD-101A-03-03	SA	Category C	RV	No	NA	2			3HP-104 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
3HP-105	O FD-101A-03-03	SA	Category C	CK	Yes	NA	2			3HP-105 - Full Stroke (Closed)	Condition Monitoring
										3HP-105 - Full Stroke (Open)	Condition Monitoring
										3HP-105 - Partial Stroke (Open)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring
3HP-108	O FD-101A-03-03	SA	Category C	RV	No	NA	2			3HP-108 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
3HP-109	O FD-101A-03-03	SA	Category C	CK	Yes	NA	2			3HP-109 - Full Stroke (Closed)	Condition Monitoring
										3HP-109 - Full Stroke (Open)	Condition Monitoring
										3HP-109 - Partial Stroke (Open)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
3HP-112	O FD-101A-03-03	SA	Category C	RV	No	NA	2			3HP-112 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
3HP-113	O FD-101A-03-03	SA	Category C	CK	Yes	NA	2			3HP-113 - Full Stroke (Closed)	Condition Monitoring
										3HP-113 - Full Stroke (Open)	Condition Monitoring
										3HP-113 - Partial Stroke (Open)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring
3HP-115	O FD-101A-03-03	MR	Category B	GA	No	NA	2			3HP-115 - Position Indicator (Open)	Tested once every two years
										3HP-115 - Position Indicator (Closed)	Tested once every two years
3HP-144	O FD-101A-03-04	SA	Category AC	CK	Yes	NA	2		ON-HP17	3HP-144 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
										3HP-144 - Full Stroke (Closed)	Tested every refueling outage
										3HP-144 - Full Stroke (Open)	Tested once quarterly
										Full Stroke (Open)	Tested every cold shutdown
3HP-145	O FD-101A-03-04	SA	Category AC	CK	Yes	NA	2		ON-HP17	3HP-145 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										3HP-145 - Full Stroke (Closed)	Tested every refueling outage
										3HP-145 - Full Stroke (Open)	Tested once quarterly
										Full Stroke (Open)	Tested every cold shutdown
3HP-146	O FD-101A-03-04	SA	Category AC	CK	Yes	NA	2		ON-HP17	3HP-146 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
										3HP-146 - Full Stroke (Closed)	Tested every refueling outage
										3HP-146 - Full Stroke (Open)	Tested once quarterly
										Full Stroke (Open)	Tested every cold shutdown
3HP-147	O FD-101A-03-04	SA	Category AC	CK	Yes	NA	2		ON-HP17	3HP-147 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
										3HP-147 - Full Stroke (Closed)	Tested every refueling outage
										3HP-147 - Full Stroke (Open)	Tested once quarterly
										Full Stroke (Open)	Tested every cold shutdown
3HP-155	O FD-127B-03-02	MA	Category A	GL	No	NA	2			3HP-155 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
3HP-156	O FD-127B-03-02	MA	Category A	GL	No	NA	2			3HP-156 - Leak Test - Appendix J (Accident	Tested every refueling

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Directi	outage
3HP-188	O FD-101A-03-04	SA	Category C	CK	Yes	NA	1			3HP-188 - Sample Disassembly (Opn to Cls)	Condition Monitoring
										3HP-188 - Full Stroke (Open)	Condition Monitoring
										3HP-188 - Partial Stroke (Open)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
3HP-189	O FD-101A-03-02	SA	Category C	CK	Yes	NA	2			3HP-189 - Sample Disassembly (Cls to Opn)	Condition Monitoring
										3HP-189 - Partial Stroke (Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
3HP-194	O FD-101A-03-04	SA	Category C	CK	Yes	NA	1			3HP-194 - Sample Disassembly (Opn to Cls)	Condition Monitoring
										3HP-194 - Full Stroke (Open)	Condition Monitoring
										3HP-194 - Partial Stroke (Open)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
3HP-248	O FD-101A-03-03	SA	Category C	CK	Yes	NA	2			Full Stroke (Open)	Condition Monitoring

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Non-safety Direction Stroke (Closed)	Condition Monitoring
3HP-250	O FD-101A-03-03	SA	Category C	CK	Yes	NA	2			Full Stroke (Open)	Condition Monitoring
										Non-safety Direction Stroke (Closed)	Condition Monitoring
3HP-252	O FD-101A-03-03	SA	Category C	CK	Yes	NA	2			Non-safety Direction Stroke (Closed)	Condition Monitoring
										Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring
3HP-254	O FD-101A-03-04	SA	Category C	CK	Yes	NA	1			Full Stroke (Closed)	Condition Monitoring
										Non-safety Direction Stroke (Open)	Condition Monitoring
3HP-390	O FD-101A-03-04	SA	Category AC	CK	Yes	NA	2		ON-HP17	3HP-390 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
										3HP-390 - Full Stroke (Closed)	Tested every refueling outage
										3HP-390 - Full Stroke (Open)	Tested once quarterly
										Full Stroke (Open)	Tested every cold shutdown

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
3HP-393	O FD-101A-03-04	SA	Category AC	CK	Yes	NA	2		ON-HP17	3HP-393 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
										3HP-393 - Full Stroke (Closed)	Tested every refueling outage
										3HP-393 - Full Stroke (Open)	Tested once quarterly
										Full Stroke (Open)	Tested every cold shutdown
3HP-398	O FD-101A-03-05	MR	Category B	GA	Yes	NA	2		ON-SSF03	3HP-398 - Stroke Time (Cls to Opn)	Tested every cold shutdown
										3HP-398 - Position Indicator (Open)	Tested once every two years
										3HP-398 - Position Indicator (Closed)	Tested once every two years
3HP-399	O FD-101A-03-05	SA	Category C	CK	Yes	NA	2		ON-SSF02	3HP-399 - Full Stroke (Open)	Tested every cold shutdown
										Non-safety Direction Stroke (Closed)	Tested every refueling outage
3HP-400	O FD-101A-03-05	SA	Category C	CK	Yes	NA	2		ON-SSF02	3HP-400 - Full Stroke (Open)	Tested every cold shutdown
										Non-safety Direction Stroke (Closed)	Tested every refueling outage
3HP-401	O FD-101A-03-05	SA	Category C	CK	Yes	NA	2		ON-SSF02	3HP-401 - Full Stroke (Open)	Tested every cold shutdown

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Non-safety Direction Stroke (Closed)	Tested every refueling outage
3HP-402	O FD-101A-03-05	SA	Category C	CK	Yes	NA	2		ON-SSF02	3HP-402 - Full Stroke (Open)	Tested every cold shutdown
										Non-safety Direction Stroke (Closed)	Tested every refueling outage
3HP-404	O FD-101A-03-05	SA	Category C	RV	No	NA	2			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
3HP-405	O FD-101A-03-05	MR	Category A	GA	No	NA	2			3HP-405 - Position Indicator (Closed)	Tested once every two years
										3HP-405 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
3HP-409	O FD-101A-03-04	ML	Category B	GL	Yes	NA	2		ON-HP04	3HP-409 - Stroke Time (Open to Closed)	Tested every cold shutdown
										3HP-409 - Stroke Time (Closed to Open)	Tested every cold shutdown
										3HP-409 - Position Indicator (Open)	Tested once every two years
										3HP-409 - Position Indicator (Closed)	Tested once every two years
3HP-410	O FD-101A-03-04	ML	Category B	GL	Yes	NA	2		ON-HP04	3HP-410 - Stroke Time (Open to Closed)	Tested every cold shutdown
										3HP-410 - Stroke Time	Tested every cold

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										(Closed to Open)	shutdown
										3HP-410 - Position Indicator (Open)	Tested once every two years
										3HP-410 - Position Indicator (Closed)	Tested once every two years
3HP-417	O FD-101A-03-05	ML	Category A	GL	No	NA	2			3HP-417 - Position Indicator (Closed)	Tested once every two years
										3HP-417 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
										Stroke Time (Closed to Open)	Tested once quarterly
3HP-426	O FD-101A-03-05	ML	Category A	GL	Yes	NA	2		ON-SSF04	3HP-426 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
										3HP-426 - Stroke Time (Open to Closed)	Tested every cold shutdown
										3HP-426 - Stroke Time (Closed to Open)	Tested every cold shutdown
										3HP-426 - Position Indicator (Open)	Tested once every two years
										3HP-426 - Position Indicator (Closed)	Tested once every two years
3HP-428	O FD-101A-03-05	ML	Category A	GL	Yes	NA	2			3HP-428 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
										3HP-428 - Stroke Time	Tested once quarterly

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										(Open to Closed)	
										3HP-428 - Stroke Time (Open to Closed)	No specified test frequency
										3HP-428 - Stroke Time (Closed to Open)	Tested once quarterly
										3HP-428 - Stroke Time (Closed to Open)	No specified test frequency
										3HP-428 - Position Indicator (Open)	Tested once every two years
										3HP-428 - Position Indicator (Closed)	Tested once every two years
3HP-451	O FD-101A-03-04	SA	Category C	CK	Yes	NA	1			3HP-451 - Sample Disassembly (Opn to Cls)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
3HP-453	O FD-101A-03-04	SA	Category C	CK	Yes	NA	1			3HP-453 - Sample Disassembly (Opn to Cls)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
3HP-454	O FD-101A-03-04	SA	Category AC	CK	Yes	NA	2		ON-HP17	3HP-454 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
										3HP-454 - Full Stroke (Closed)	Tested every refueling outage
										3HP-454 - Full Stroke (Open)	Tested once quarterly

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Full Stroke (Open)	Tested every cold shutdown
3HP-457	O FD-101A-03-04	SA	Category AC	CK	Yes	NA	2		ON-HP17	3HP-457 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
										3HP-457 - Full Stroke (Closed)	Tested every refueling outage
										3HP-457 - Full Stroke (Open)	Tested once quarterly
										Full Stroke (Open)	Tested every cold shutdown
3HP-486	O FD-101A-03-04	SA	Category C	CK	Yes	NA	1			3HP-486 - Sample Disassembly (Opn to Cls)	Condition Monitoring
										3HP-486 - Full Stroke (Open)	Condition Monitoring
										3HP-486 - Partial Stroke (Open)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
3HP-487	O FD-101A-03-04	SA	Category C	CK	Yes	NA	1			3HP-487 - Sample Disassembly (Opn to Cls)	Condition Monitoring
										3HP-487 - Full Stroke (Open)	Condition Monitoring
										3HP-487 - Partial Stroke (Open)	Condition Monitoring
										Sample Disassembly	Condition Monitoring

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										(Closed to Open)	
3HP-488	O FD-101A-03-04	SA	Category C	CK	Yes	NA	1			3HP-488 - Sample Disassembly (Opn to Cls)	Condition Monitoring
										3HP-488 - Full Stroke (Open)	Condition Monitoring
										3HP-488 - Partial Stroke (Open)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
3HP-489	O FD-101A-03-04	SA	Category C	CK	Yes	NA	1			3HP-489 - Sample Disassembly (Opn to Cls)	Condition Monitoring
										3HP-489 - Full Stroke (Open)	Condition Monitoring
										3HP-489 - Partial Stroke (Open)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
3HP-934	O FD-101A-03-01	SA	Category AC	RV	Yes	NA	2			3HP-934 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
										Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
3HP-935	O FD-101A-03-01	SA	Category AC	RV	Yes	NA	2			3HP-935 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
										Relief Valve Test	Test relief valve per

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										(Closed to Open)	OM-1 schedule
3HP-936	O FD-101A-03-05	SA	Category AC	RV	Yes	NA	2			3HP-936 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
										Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
3HP-939	O FD-101A-03-02	ML	Category B	GA	Yes	NA	2		ON-HP23	Stroke Time (Closed to Open)	Tested every refueling outage
										Position Indicator (Closed)	Tested once every two years
										Position Indicator (Open)	Tested once every two years
3HP-940	O FD-101A-03-02	ML	Category B	GA	Yes	NA	2		ON-HP23	Stroke Time (Closed to Open)	Tested every refueling outage
										Position Indicator (Closed)	Tested once every two years
										Position Indicator (Open)	Tested once every two years
3HP-973	O FD-101A-03-02	SA	Category C	CK	Yes	NA	2		ON-HP24	Full Stroke (Open)	Tested every refueling outage
										Full Stroke (Closed)	Tested every refueling outage
3HP-974	O FD-101A-03-02	SA	Category C	CK	Yes	NA	2		ON-HP24	Full Stroke (Open)	Tested every refueling outage

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Full Stroke (Closed)	Tested every refueling outage

OCONEE NUCLEAR STATION

HPS - HIGH PRESSURE SERVICE WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1HPSW-943	O FD-124B-01-01	SA	Category AC	CK	Yes		3		ON-HPSW01	Leak Test - ASME OM (Accident Direction)	Tested every cold shutdown
										Full Stroke (Closed)	Tested every cold shutdown
										1HPSW-943 Partial Stroke (Open)	Tested every cold shutdown
2HPSW-943	O FD-124B-02-01	SA	Category AC	CK	Yes		3		ON-HPSW01	Full Stroke (Closed)	Tested every cold shutdown
										Leak Test - ASME OM (Accident Direction)	Tested every cold shutdown
										Partial Stroke (Open)	Tested every cold shutdown
3HPSW-943	O FD-124B-03-01	SA	Category AC	CK	Yes		3		ON-HPSW01	Partial Stroke (Open)	Tested every cold shutdown
										Leak Test - ASME OM (Accident Direction)	Tested every cold shutdown
										Full Stroke (Closed)	Tested every cold shutdown

OCONEE NUCLEAR STATION

IA - INSTRUMENT AIR

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
11A-90	O FD-137B-01-03	MA	Category A	BV	No	NA	2			11A-90 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
11A-91	O FD-137B-01-03	MA	Category A	BV	No	NA	2			11A-91 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
21A-90	O FD-137B-01-03	MA	Category A	BV	No	NA	2			21A-90 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
21A-91	O FD-137B-01-03	MA	Category A	BV	No	NA	2			21A-91 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
31A-90	O FD-137B-01-03	MA	Category A	BV	No	NA	2			31A-90 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
31A-91	O FD-137B-01-03	MA	Category A	BV	No	NA	2			31A-91 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage

OCONEE NUCLEAR STATION

LP - LOW PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1LP-1	O FD-102A-01-01	ML	Category B	GA	Yes	NA	1		ON-LP01	1LP-1 - Stroke Time (Cls to Opn)	Tested every cold shutdown
										1LP-1 - Position Indicator (Open)	Tested once every two years
										1LP-1 - Position Indicator (Closed)	Tested once every two years
1LP-2	O FD-102A-01-01	ML	Category B	GA	Yes	NA	1		ON-LP01	1LP-2 - Stroke Time (Cls to Opn)	Tested every cold shutdown
										1LP-2 - Position Indicator (Open)	Tested once every two years
										1LP-2 - Position Indicator (Closed)	Tested once every two years
1LP-3	O FD-102A-01-01	ML	Category B	GA	No	NA	2			1LP-3 - Position Indicator (Open)	Tested once every two years
										1LP-3 - Position Indicator (Closed)	Tested once every two years
1LP-4	O FD-102A-01-01	MA	Category B	GA	Yes	NA	2			Full Stroke (Closed)	Tested once quarterly
1LP-5	O FD-102A-01-01	ML	Category B	GA	No	NA	2			1LP-5 - Position Indicator (Open)	Tested once every two years
										1LP-5 - Position Indicator (Closed)	Tested once every two years
										Manual Stroke of Electric Valve (Closed)	Tested once quarterly

OCONEE NUCLEAR STATION

LP - LOW PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1LP-6	O FD-102A-01-01	ML	Category B	GA	No	NA	2			1LP-6 - Position Indicator (Open)	Tested once every two years
										1LP-6 - Position Indicator (Closed)	Tested once every two years
1LP-7	O FD-102A-01-01	ML	Category B	GA	No	NA	2			1LP-7 - Position Indicator (Open)	Tested once every two years
										1LP-7 - Position Indicator (Closed)	Tested once every two years
1LP-8	O FD-102A-01-01	ML	Category B	GA	No	NA	2			1LP-8 - Position Indicator (Open)	Tested once every two years
										1LP-8 - Position Indicator (Closed)	Tested once every two years
1LP-9	O FD-102A-01-02	ML	Category B	GA	Yes	NA	2			1LP-9 - Position Indicator (Open)	Tested once every two years
										1LP-9 - Position Indicator (Closed)	Tested once every two years
1LP-10	O FD-102A-01-02	ML	Category B	GA	Yes	NA	2			1LP-10 - Position Indicator (Open)	Tested once every two years
										1LP-10 - Position Indicator (Closed)	Tested once every two years
1LP-11	O FD-102A-01-02	MR	Category B	GA	No	NA	2			1LP-11 - Position Indicator (Open)	Tested once every two years
1LP-12	O FD-102A-01-02	ML	Category B	CV	Yes	NA	2			1LP-12 - Stroke Time	Tested once quarterly

OCONEE NUCLEAR STATION

LP - LOW PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										(Open to Closed)	
										1LP-12 - Stroke Time (Closed to Open)	Tested once quarterly
										1LP-12 - Position Indicator (Open)	Tested once every two years
										1LP-12 - Position Indicator (Closed)	Tested once every two years
1LP-13	O FD-102A-01-02	MR	Category B	GA	No	NA	2			1LP-13 - Position Indicator (Open)	Tested once every two years
1LP-14	O FD-102A-01-02	ML	Category B	CV	Yes	NA	2			1LP-14 - Stroke Time (Open to Closed)	Tested once quarterly
										1LP-14 - Stroke Time (Closed to Open)	Tested once quarterly
										1LP-14 - Position Indicator (Open)	Tested once every two years
										1LP-14 - Position Indicator (Closed)	Tested once every two years
1LP-15	O FD-102A-01-02	ML	Category A	GA	Yes	NA	2			1LP-15 - Leak Test - ASME OM (Accident Direction)	Tested once every two years
										1LP-15 - Stroke Time (Open to Closed)	Tested once quarterly
										1LP-15 - Stroke Time (Closed to Open)	Tested once quarterly
										1LP-15 - Position Indicator (Open)	Tested once every two years

OCONEE NUCLEAR STATION

LP - LOW PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										1LP-15 - Position Indicator (Closed)	Tested once every two years
1LP-16	O FD-102A-01-02	ML	Category A	GA	Yes	NA	2			1LP-16 - Leak Test - ASME OM (Accident Direction)	Tested once every two years
										1LP-16 - Stroke Time (Open to Closed)	Tested once quarterly
										1LP-16 - Stroke Time (Closed to Open)	Tested once quarterly
										1LP-16 - Position Indicator (Open)	Tested once every two years
										1LP-16 - Position Indicator (Closed)	Tested once every two years
1LP-17	O FD-102A-01-02	MR	Category B	GL	Yes	NA	2		ON-LP07	1LP-17 - Stroke Time (Open to Closed)	Tested every cold shutdown
										1LP-17 - Stroke Time (Closed to Open)	Tested every cold shutdown
										1LP-17 - Position Indicator (Open)	Tested once every two years
										1LP-17 - Position Indicator (Closed)	Tested once every two years
1LP-18	O FD-102A-01-02	MR	Category B	GL	Yes	NA	2		ON-LP07	1LP-18 - Stroke Time (Open to Closed)	Tested every cold shutdown
										1LP-18 - Stroke Time (Closed to Open)	Tested every cold shutdown
										1LP-18 - Position	Tested once every two

OCONEE NUCLEAR STATION

LP - LOW PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Indicator (Open)	years
										1LP-18 - Position Indicator (Closed)	Tested once every two years
1LP-19	O FD-102A-01-01	ML	Category B	GA	Yes	NA	2		ON-LP10	1LP-19 - Stroke Time (Open to Closed)	Tested every refueling outage
										1LP-19 - Stroke Time (Closed to Open)	Tested every refueling outage
										1LP-19 - Position Indicator (Open)	Tested once every two years
										1LP-19 - Position Indicator (Closed)	Tested once every two years
1LP-20	O FD-102A-01-01	ML	Category B	GA	Yes	NA	2		ON-LP10	1LP-20 - Stroke Time (Open to Closed)	Tested every refueling outage
										1LP-20 - Stroke Time (Closed to Open)	Tested every refueling outage
										1LP-20 - Position Indicator (Open)	Tested once every two years
										1LP-20 - Position Indicator (Closed)	Tested once every two years
1LP-21	O FD-102A-01-01	ML	Category B	GA	Yes	NA	2			1LP-21 - Stroke Time (Opn to Cls)	Tested once quarterly
										1LP-21 - Position Indicator (Open)	Tested once every two years
										1LP-21 - Position Indicator (Closed)	Tested once every two years

OCONEE NUCLEAR STATION

LP - LOW PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1LP-22	O FD-102A-01-01	ML	Category B	GA	Yes	NA	2			1LP-22 - Stroke Time (Opn to Cls)	Tested once quarterly
										1LP-22 - Position Indicator (Open)	Tested once every two years
										1LP-22 - Position Indicator (Closed)	Tested once every two years
1LP-25	O FD-102A-01-01	SA	Category C	RV	No	NA	2			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
1LP-26	O FD-102A-01-01	SA	Category C	RV	No	NA	2			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
1LP-27	O FD-102A-01-01	SA	Category C	RV	No	NA	2			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
1LP-29	O FD-102A-01-01	SA	Category AC	CK	Yes	NA	2			1LP-29 - Leak Test - ASME OM (Accident Direction)	Tested once every two years
										1LP-29 - Full Stroke (Closed)	Condition Monitoring
										Partial Stroke (Open)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
1LP-30	O FD-102A-01-01	SA	Category AC	CK	Yes	NA	2			1LP-30 - Leak Test - ASME OM (Accident Direction)	Tested once every two years

OCONEE NUCLEAR STATION

LP - LOW PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										1LP-30 - Full Stroke (Closed)	Condition Monitoring
										Partial Stroke (Open)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
1LP-31	O FD-102A-01-02	SA	Category C	CK	Yes	NA	2			1LP-31 - Full Stroke (Closed)	Condition Monitoring
										1LP-31 - Full Stroke (Open)	Condition Monitoring
										Partial Stroke (Open)	Condition Monitoring
1LP-33	O FD-102A-01-02	SA	Category C	CK	Yes	NA	2			1LP-33 - Full Stroke (Open)	Condition Monitoring
										1LP-33 - Full Stroke (Closed)	Condition Monitoring
1LP-36	O FD-102A-01-02	SA	Category C	RV	No	NA	3			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
1LP-37	O FD-102A-01-02	SA	Category C	RV	No	NA	2			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
1LP-42	O FD-102A-01-02	MA	Category A	BV	No	NA	2			1LP-42 - Leak Test - ASME OM (Accident Direction)	Tested once every two years
1LP-47	O FD-102A-01-02	SA	Category AC	CK	Yes	NA	1			1LP-47 - Leak Test - ASME OM (Accident	Tested once every two

OCONEE NUCLEAR STATION

LP - LOW PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Direction)	years
										1LP-47 - Full Stroke (Closed)	Condition Monitoring
										1LP-47 - Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring
1LP-48	O FD-102A-01-02	SA	Category AC	CK	Yes	NA	1			1LP-48 - Leak Test - ASME OM (Accident Direction)	Tested once every two years
										1LP-48 - Full Stroke (Closed)	Condition Monitoring
										1LP-48 - Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring
1LP-55	O FD-101A-01-03	SA	Category C	CK	Yes	NA	2			1LP-55 - Full Stroke (Open)	Condition Monitoring
										1LP-55 - Partial Stroke (Open)	Condition Monitoring
										Non-safety Direction Stroke (Closed)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring
1LP-57	O FD-101A-01-03	SA	Category C	CK	Yes	NA	2			1LP-57 - Full Stroke (Open)	Condition Monitoring

OCONEE NUCLEAR STATION

LP - LOW PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										1LP-57 - Partial Stroke (Open)	Condition Monitoring
										Non-safety Direction Stroke (Closed)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring
1LP-69	O FD-102A-01-02	ML	Category B	GL	No	NA	2			1LP-69 - Position Indicator (Open)	Tested once every two years
										1LP-69 - Position Indicator (Closed)	Tested once every two years
1LP-74	O FD-102A-01-02	MA	Category B	GA	No	NA	2			1LP-74 - Full Stroke (Open)	Tested once quarterly
1LP-103	O FD-102A-01-01	MR	Category B	GA	Yes	NA	1		ON-LP03	1LP-103 - Stroke Time (Cls to Opn)	Tested every refueling outage
										1LP-103 - Position Indicator (Open)	Tested once every two years
										1LP-103 - Position Indicator (Closed)	Tested once every two years
1LP-104	O FD-102A-01-01	MR	Category B	GA	Yes	NA	1		ON-LP13	1LP-104 - Stroke Time (Cls to Opn)	Tested every cold shutdown
										1LP-104 - Position Indicator (Open)	Tested once every two years
										1LP-104 - Position Indicator (Closed)	Tested once every two years

OCONEE NUCLEAR STATION

LP - LOW PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1LP-105	O FD-102A-01-01	MR	Category B	GA	Yes	NA	2		ON-LP08	1LP-105 - Stroke Time (Cls to Opn)	Tested every refueling outage
										1LP-105 - Position Indicator (Open)	Tested once every two years
										1LP-105 - Position Indicator (Closed)	Tested once every two years
1LP-139	O FD-102A-01-01	MA	Category B	GA	Yes	NA	2			Full Stroke (Closed)	Tested once quarterly
1LP-167	O FD-102A-01-01	SA	Category C	CK	Yes		1		ON-LP12	Full Stroke (Closed)	Tested every refueling outage
										Full Stroke (Open)	Tested every refueling outage
										Leak Test - ASME OM (Accident Direction)	Tested every refueling outage
1LP-176	O FD-102A-01-03	SA	Category AC	CK	Yes	NA	1			Full Stroke (Closed)	Condition Monitoring
										Full Stroke (Open)	Condition Monitoring
										Leak Test - ASME OM (Accident Direction)	Tested once every two years
										Sample Disassembly (Both)	Condition Monitoring
1LP-177	O FD-102A-01-03	SA	Category AC	CK	Yes	NA	1			Full Stroke (Closed)	Condition Monitoring

OCONEE NUCLEAR STATION

LP - LOW PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Full Stroke (Open)	Condition Monitoring
										Leak Test - ASME OM (Accident Direction)	Tested once every two years
										Sample Disassembly (Both)	Condition Monitoring
1LP-195	O FD-102A-01-01	SA	Category C	RV	Yes	NA	2			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
1LP-196	O FD-102A-01-01	SA	Category C	RV	Yes	NA	2			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
2LP-1	O FD-102A-02-01	ML	Category B	GA	Yes	NA	1		ON-LP01	2LP-1 - Stroke Time (Cls to Opn)	Tested every cold shutdown
										2LP-1 - Position Indicator (Open)	Tested once every two years
										2LP-1 - Position Indicator (Closed)	Tested once every two years
2LP-2	O FD-102A-02-01	ML	Category B	GA	Yes	NA	1		ON-LP01	2LP-2 - Stroke Time (Cls to Opn)	Tested every cold shutdown
										2LP-2 - Position Indicator (Open)	Tested once every two years
										2LP-2 - Position Indicator (Closed)	Tested once every two years
2LP-3	O FD-102A-02-01	MR	Category B	GA	No	NA	2			2LP-3 - Position Indicator (Open)	Tested once every two years

OCONEE NUCLEAR STATION

LP - LOW PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										2LP-3 - Position Indicator (Closed)	Tested once every two years
2LP-4	O FD-102A-02-01	MA	Category B	GA	Yes	NA	2			Full Stroke (Closed)	Tested once quarterly
2LP-5	O FD-102A-02-01	ML	Category B	GA	Yes	NA	2			2LP-5 - Position Indicator (Open)	Tested once every two years
										2LP-5 - Position Indicator (Closed)	Tested once every two years
										Manual Stroke of Electric Valve (Closed)	Tested once quarterly
2LP-6	O FD-102A-02-01	ML	Category B	BF	No	NA	2			2LP-6 - Position Indicator (Open)	Tested once every two years
										2LP-6 - Position Indicator (Closed)	Tested once every two years
2LP-7	O FD-102A-02-01	ML	Category B	BF	No	NA	2			2LP-7 - Position Indicator (Open)	Tested once every two years
										2LP-7 - Position Indicator (Closed)	Tested once every two years
2LP-8	O FD-102A-02-01	ML	Category B	GA	No	NA	2			Position Indicator (Open)	Tested once every two years
										Position Indicator (Closed)	Tested once every two years
2LP-9	O FD-102A-02-02	ML	Category B	GA	Yes	NA	2			2LP-9 - Position Indicator (Open)	Tested once every two years

OCONEE NUCLEAR STATION

LP - LOW PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										2LP-9 - Position Indicator (Closed)	Tested once every two years
2LP-10	O FD-102A-02-02	ML	Category B	GA	Yes	NA	2			2LP-10 - Position Indicator (Open)	Tested once every two years
										2LP-10 - Position Indicator (Closed)	Tested once every two years
2LP-11	O FD-102A-02-02	MR	Category B	GA	No	NA	2			2LP-11 - Position Indicator (Open)	Tested once every two years
2LP-12	O FD-102A-02-02	ML	Category B	CV	Yes	NA	2			2LP-12 - Stroke Time (Open to Closed)	Tested once quarterly
										2LP-12 - Stroke Time (Closed to Open)	Tested once quarterly
										2LP-12 - Position Indicator (Open)	Tested once every two years
										2LP-12 - Position Indicator (Closed)	Tested once every two years
2LP-13	O FD-102A-02-02	MR	Category B	GA	No	NA	2			2LP-13 - Position Indicator (Open)	Tested once every two years
2LP-14	O FD-102A-02-02	ML	Category B	CV	Yes	NA	2			2LP-14 - Stroke Time (Open to Closed)	Tested once quarterly
										2LP-14 - Stroke Time (Closed to Open)	Tested once quarterly

OCONEE NUCLEAR STATION

LP - LOW PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										2LP-14 - Position Indicator (Open)	Tested once every two years
										2LP-14 - Position Indicator (Closed)	Tested once every two years
2LP-15	O FD-102A-02-02	ML	Category A	GA	Yes	NA	2			2LP-15 - Leak Test - ASME OM (Accident Direction)	Tested once every two years
										2LP-15 - Stroke Time (Open to Closed)	Tested once quarterly
										2LP-15 - Stroke Time (Closed to Open)	Tested once quarterly
										2LP-15 - Position Indicator (Open)	Tested once every two years
										2LP-15 - Position Indicator (Closed)	Tested once every two years
2LP-16	O FD-102A-02-02	ML	Category A	GA	Yes	NA	2			2LP-16 - Leak Test - ASME OM (Accident Direction)	Tested once every two years
										2LP-16 - Stroke Time (Open to Closed)	Tested once quarterly
										2LP-16 - Stroke Time (Closed to Open)	Tested once quarterly
										2LP-16 - Position Indicator (Open)	Tested once every two years
										2LP-16 - Position Indicator (Closed)	Tested once every two years
2LP-17	O FD-102A-02-02	MR	Category B	GL	Yes	NA	2		ON-LP07	2LP-17 - Stroke Time (Open to Closed)	Tested every cold shutdown

OCONEE NUCLEAR STATION

LP - LOW PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										2LP-17 - Stroke Time (Closed to Open)	Tested every cold shutdown
										2LP-17 - Position Indicator (Open)	Tested once every two years
										2LP-17 - Position Indicator (Closed)	Tested once every two years
2LP-18	O FD-102A-02-02	MR	Category B	GL	Yes	NA	2		ON-LP07	2LP-18 - Stroke Time (Open to Closed)	Tested every cold shutdown
										2LP-18 - Stroke Time (Closed to Open)	Tested every cold shutdown
										2LP-18 - Position Indicator (Open)	Tested once every two years
										2LP-18 - Position Indicator (Closed)	Tested once every two years
2LP-19	O FD-102A-02-01	ML	Category B	GA	Yes	NA	2		ON-LP10	2LP-19 - Stroke Time (Open to Closed)	Tested every refueling outage
										2LP-19 - Stroke Time (Closed to Open)	Tested every refueling outage
										2LP-19 - Position Indicator (Open)	Tested once every two years
										2LP-19 - Position Indicator (Closed)	Tested once every two years
2LP-20	O FD-102A-02-01	ML	Category B	GA	Yes	NA	2		ON-LP10	2LP-20 - Stroke Time (Open to Closed)	Tested every refueling outage

OCONEE NUCLEAR STATION

LP - LOW PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										2LP-20 - Stroke Time (Closed to Open)	Tested every refueling outage
										2LP-20 - Position Indicator (Open)	Tested once every two years
										2LP-20 - Position Indicator (Closed)	Tested once every two years
2LP-21	O FD-102A-02-01	ML	Category B	GA	Yes	NA	2			2LP-21 - Stroke Time (Opn to Cls)	Tested once quarterly
										2LP-21 - Position Indicator (Open)	Tested once every two years
										2LP-21 - Position Indicator (Closed)	Tested once every two years
2LP-22	O FD-102A-02-01	ML	Category B	GA	Yes	NA	2			2LP-22 - Stroke Time (Opn to Cls)	Tested once quarterly
										2LP-22 - Position Indicator (Open)	Tested once every two years
										2LP-22 - Position Indicator (Closed)	Tested once every two years
2LP-25	O FD-102A-02-01	SA	Category C	RV	No	NA	2			2LP-25 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
2LP-26	O FD-102A-02-01	SA	Category C	RV	No	NA	2			2LP-26 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
2LP-27	O FD-102A-02-01	SA	Category C	RV	No	NA	2			2LP-27 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule

OCONEE NUCLEAR STATION

LP - LOW PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
2LP-29	O FD-102A-02-01	SA	Category AC	CK	Yes	NA	2			2LP-29 - Leak Test - ASME OM (Accident Direction)	Tested once every two years
										2LP-29 - Full Stroke (Closed)	Condition Monitoring
										Partial Stroke (Open)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
2LP-30	O FD-102A-02-01	SA	Category AC	CK	Yes	NA	2			2LP-30 - Leak Test - ASME OM (Accident Direction)	Tested once every two years
										2LP-30 - Full Stroke (Closed)	Condition Monitoring
										Partial Stroke (Open)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
2LP-31	O FD-102A-02-02	SA	Category C	CK	Yes	NA	2			2LP-31 - Full Stroke (Closed)	Condition Monitoring
										2LP-31 - Full Stroke (Open)	Condition Monitoring
										Partial Stroke (Open)	Condition Monitoring
2LP-33	O FD-102A-02-02	SA	Category C	CK	Yes	NA	2			2LP-33 - Full Stroke	Condition Monitoring

OCONEE NUCLEAR STATION

LP - LOW PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										(Open)	
										2LP-33 - Full Stroke (Closed)	Condition Monitoring
2LP-36	O FD-102A-02-02	SA	Category C	RV	No	NA	3			2LP-36 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
2LP-37	O FD-102A-02-02	SA	Category C	RV	No	NA	2			2LP-37 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
2LP-42	O FD-102A-02-02	MA	Category A	BV	No	NA	2			2LP-42 - Leak Test - ASME OM (Accident Direction)	Tested once every two years
2LP-47	O FD-102A-02-02	SA	Category AC	CK	Yes	NA	1			2LP-47 - Leak Test - ASME OM (Accident Direction)	Tested once every two years
										2LP-47 - Full Stroke (Closed)	Condition Monitoring
										2LP-47 - Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring
2LP-48	O FD-102A-02-02	SA	Category AC	CK	Yes	NA	1			2LP-48 - Leak Test - ASME OM (Accident Direction)	Tested once every two years
										2LP-48 - Full Stroke (Closed)	Condition Monitoring
										2LP-48 - Full Stroke (Open)	Condition Monitoring

OCONEE NUCLEAR STATION

LP - LOW PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Sample Disassembly (Both)	Condition Monitoring
2LP-55	O FD-101A-02-03	SA	Category C	CK	Yes	NA	2			2LP-55 - Full Stroke (Open)	Condition Monitoring
										2LP-55 - Partial Stroke (Open)	Condition Monitoring
										Non-safety Direction Stroke (Closed)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring
2LP-57	O FD-101A-02-03	SA	Category C	CK	Yes	NA	2			2LP-57 - Full Stroke (Open)	Condition Monitoring
										2LP-57 - Partial Stroke (Open)	Condition Monitoring
										Non-safety Direction Stroke (Closed)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring
2LP-69	O FD-102A-02-02	ML	Category B	GL	No	NA	2			2LP-69 - Position Indicator (Open)	Tested once every two years
										2LP-69 - Position Indicator (Closed)	Tested once every two years
2LP-74	O FD-102A-02-02	MA	Category B	GA	Yes	NA	2			2LP-74 - Full Stroke (Open)	Tested once quarterly

OCONEE NUCLEAR STATION

LP - LOW PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
2LP-103	O FD-102A-02-01	MR	Category B	GA	Yes	NA	1		ON-LP03	2LP-103 - Stroke Time (Cls to Opn)	Tested every refueling outage
										2LP-103 - Position Indicator (Open)	Tested once every two years
										2LP-103 - Position Indicator (Closed)	Tested once every two years
2LP-104	O FD-102A-02-01	MR	Category B	GA	Yes	NA	1		ON-LP13	2LP-104 - Stroke Time (Cls to Opn)	Tested every cold shutdown
										2LP-104 - Position Indicator (Open)	Tested once every two years
										2LP-104 - Position Indicator (Closed)	Tested once every two years
2LP-139	O FD-102A-02-01	MA	Category B	GA	Yes	NA	2			Full Stroke (Closed)	Tested once quarterly
2LP-167	O FD-102A-02-01	SA	Category C	CK	Yes	NA	1		ON-LP12	Full Stroke (Closed)	Tested every refueling outage
										Full Stroke (Open)	Tested every refueling outage
										Leak Test - ASME OM (Accident Direction)	Tested every refueling outage
2LP-176	O FD-102A-02-03	SA	Category AC	CK	Yes	NA	1			Full Stroke (Closed)	Condition Monitoring
										Full Stroke (Open)	Condition Monitoring

OCONEE NUCLEAR STATION

LP - LOW PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Activ.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Leak Test - ASME OM (Accident Direction)	Tested once every two years
										Sample Disassembly (Both)	Condition Monitoring
2LP-177	O FD-102A-02-03	SA	Category AC	CK	Yes	NA	1			Full Stroke (Closed)	Condition Monitoring
										Full Stroke (Open)	Condition Monitoring
										Leak Test - ASME OM (Accident Direction)	Tested once every two years
										Sample Disassembly (Both)	Condition Monitoring
2LP-195	O FD-102A-02-01	SA	Category C	RV	Yes	NA	2			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
2LP-196	O FD-102A-02-01	SA	Category C	RV	Yes	NA	2			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
3LP-1	O FD-102A-03-01	MR	Category B	GA	Yes	NA	1		ON-LP01	3LP-1 - Stroke Time (Cls to Opn)	Tested every cold shutdown
										3LP-1 - Position Indicator (Open)	Tested once every two years
										3LP-1 - Position Indicator (Closed)	Tested once every two years
3LP-2	O FD-102A-03-01	MR	Category B	GA	Yes	NA	1		ON-LP01	3LP-2 - Stroke Time (Cls to Opn)	Tested every cold shutdown

OCONEE NUCLEAR STATION

LP - LOW PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										3LP-2 - Position Indicator (Open)	Tested once every two years
										3LP-2 - Position Indicator (Closed)	Tested once every two years
3LP-3	O FD-102A-03-01	ML	Category B	GA	No	NA	2			3LP-3 - Position Indicator (Open)	Tested once every two years
										3LP-3 - Position Indicator (Closed)	Tested once every two years
3LP-5	O FD-102A-03-01	ML	Category B	GA	No	NA	2			3LP-5 - Position Indicator (Open)	Tested once every two years
										3LP-5 - Position Indicator (Closed)	Tested once every two years
3LP-6	O FD-102A-03-01	ML	Category B	GA	No	NA	2			3LP-6 - Position Indicator (Open)	Tested once every two years
										3LP-6 - Position Indicator (Closed)	Tested once every two years
3LP-7	O FD-102A-03-01	ML	Category B	GA	No	NA	2			3LP-7 - Position Indicator (Open)	Tested once every two years
										3LP-7 - Position Indicator (Closed)	Tested once every two years
3LP-8	O FD-102A-03-01	ML	Category B	GA	Yes	NA	2			3LP-8 - Position Indicator (Open)	Tested once every two years
										3LP-8 - Position Indicator (Closed)	Tested once every two years

OCONEE NUCLEAR STATION

LP - LOW PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
3LP-9	O FD-102A-03-02	ML	Category B	GA	Yes	NA	2			3LP-9 - Position Indicator (Open)	Tested once every two years
										3LP-9 - Position Indicator (Closed)	Tested once every two years
3LP-10	O FD-102A-03-02	ML	Category B	GA	Yes	NA	2			3LP-10 - Position Indicator (Open)	Tested once every two years
										3LP-10 - Position Indicator (Closed)	Tested once every two years
3LP-12	O FD-102A-03-02	ML	Category B	CV	Yes	NA	2			3LP-12 - Stroke Time (Open to Closed)	Tested once quarterly
										3LP-12 - Stroke Time (Closed to Open)	Tested once quarterly
										3LP-12 - Position Indicator (Open)	Tested once every two years
										3LP-12 - Position Indicator (Closed)	Tested once every two years
3LP-14	O FD-102A-03-02	ML	Category B	CV	Yes	NA	2			3LP-14 - Stroke Time (Open to Closed)	Tested once quarterly
										3LP-14 - Stroke Time (Closed to Open)	Tested once quarterly
										3LP-14 - Position Indicator (Open)	Tested once every two years
										3LP-14 - Position Indicator (Closed)	Tested once every two years

OCONEE NUCLEAR STATION

LP - LOW PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
3LP-15	O FD-102A-03-02	ML	Category A	GA	Yes	NA	2			3LP-15 - Leak Test - ASME OM (Accident Direction)	Tested once every two years
										3LP-15 - Stroke Time (Open to Closed)	Tested once quarterly
										3LP-15 - Stroke Time (Closed to Open)	Tested once quarterly
										3LP-15 - Position Indicator (Open)	Tested once every two years
										3LP-15 - Position Indicator (Closed)	Tested once every two years
3LP-16	O FD-102A-03-02	ML	Category A	GA	Yes	NA	2			3LP-16 - Leak Test - ASME OM (Accident Direction)	Tested once every two years
										3LP-16 - Stroke Time (Open to Closed)	Tested once quarterly
										3LP-16 - Stroke Time (Closed to Open)	Tested once quarterly
										3LP-16 - Position Indicator (Open)	Tested once every two years
										3LP-16 - Position Indicator (Closed)	Tested once every two years
3LP-17	O FD-102A-03-02	MR	Category B	GL	Yes	NA	2		ON-LP07	3LP-17 - Stroke Time (Open to Closed)	Tested every cold shutdown
										3LP-17 - Stroke Time (Closed to Open)	Tested every cold shutdown
										3LP-17 - Position	Tested once every two

OCONEE NUCLEAR STATION

LP - LOW PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Indicator (Open)	years
										3LP-17 - Position Indicator (Closed)	Tested once every two years
3LP-18	O FD-102A-03-02	MR	Category B	GL	Yes	NA	2		ON-LP07	3LP-18 - Stroke Time (Open to Closed)	Tested every cold shutdown
										3LP-18 - Stroke Time (Closed to Open)	Tested every cold shutdown
										3LP-18 - Position Indicator (Open)	Tested once every two years
										3LP-18 - Position Indicator (Closed)	Tested once every two years
3LP-19	O FD-102A-03-01	ML	Category B	GA	Yes	NA	2		ON-LP10	3LP-19 - Stroke Time (Open to Closed)	Tested every refueling outage
										3LP-19 - Stroke Time (Closed to Open)	Tested every refueling outage
										3LP-19 - Position Indicator (Open)	Tested once every two years
										3LP-19 - Position Indicator (Closed)	Tested once every two years
3LP-20	O FD-102A-03-01	ML	Category B	GA	Yes	NA	2		ON-LP10	3LP-20 - Stroke Time (Open to Closed)	Tested every refueling outage
										3LP-20 - Stroke Time (Closed to Open)	Tested every refueling outage
										3LP-20 - Position Indicator (Open)	Tested once every two years

OCONEE NUCLEAR STATION

LP - LOW PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										3LP-20 - Position Indicator (Closed)	Tested once every two years
3LP-21	O FD-102A-03-01	ML	Category B	GA	Yes	NA	2			3LP-21 - Stroke Time (Opn to Cls)	Tested once quarterly
										3LP-21 - Position Indicator (Open)	Tested once every two years
										3LP-21 - Position Indicator (Closed)	Tested once every two years
3LP-22	O FD-102A-03-01	ML	Category B	GA	Yes	NA	2			3LP-22 - Stroke Time (Opn to Cls)	Tested once quarterly
										3LP-22 - Position Indicator (Open)	Tested once every two years
										3LP-22 - Position Indicator (Closed)	Tested once every two years
3LP-25	O FD-102A-03-01	SA	Category C	RV	No	NA	2			3LP-25 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
3LP-26	O FD-102A-03-01	SA	Category C	RV	No	NA	2			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
3LP-27	O FD-102A-03-01	SA	Category C	RV	No	NA	2			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
3LP-29	O FD-102A-03-01	SA	Category AC	CK	Yes	NA	2			3LP-29 - Leak Test - ASME OM (Accident Direction)	Tested once every two years
										3LP-29 - Full Stroke	Condition Monitoring

OCONEE NUCLEAR STATION

LP - LOW PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Activ.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										(Closed)	
										Partial Stroke (Open)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
3LP-30	O FD-102A-03-01	SA	Category AC	CK	Yes	NA	2			3LP-30 - Leak Test - ASME OM (Accident Direction)	Tested once every two years
										3LP-30 - Full Stroke (Closed)	Condition Monitoring
										Partial Stroke (Open)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
										Sample Disassembly (Open to Closed)	Condition Monitoring
3LP-31	O FD-102A-03-02	SA	Category C	CK	Yes	NA	2			3LP-31 - Full Stroke (Closed)	Condition Monitoring
										3LP-31 - Full Stroke (Open)	Condition Monitoring
										Partial Stroke (Open)	Condition Monitoring
3LP-33	O FD-102A-03-02	SA	Category C	CK	Yes	NA	2			3LP-33 - Full Stroke (Open)	Condition Monitoring
										3LP-33 - Full Stroke (Closed)	Condition Monitoring

OCONEE NUCLEAR STATION

LP - LOW PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
3LP-36	O FD-102A-03-02	SA	Category C	RV	No	NA	3			3LP-36 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
3LP-37	O FD-102A-03-02	SA	Category C	RV	No	NA	2			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
3LP-42	O FD-102A-03-02	MA	Category A	BV	No	NA	2			3LP-42 - Leak Test - ASME OM (Accident Direction)	Tested once every two years
3LP-47	O FD-102A-03-02	SA	Category AC	CK	Yes	NA	1			3LP-47 - Leak Test - ASME OM (Accident Direction)	Tested once every two years
										3LP-47 - Full Stroke (Closed)	Condition Monitoring
										3LP-47 - Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring
3LP-48	O FD-102A-03-02	SA	Category AC	CK	Yes	NA	1			3LP-48 - Leak Test - ASME OM (Accident Direction)	Tested once every two years
										3LP-48 - Full Stroke (Closed)	Condition Monitoring
										3LP-48 - Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring
3LP-55	O FD-101A-03-03	SA	Category C	CK	Yes	NA	2			3LP-55 - Full Stroke (Open)	Condition Monitoring

OCONEE NUCLEAR STATION

LP - LOW PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										3LP-55 - Partial Stroke (Open)	Condition Monitoring
										Non-safety Direction Stroke (Closed)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring
3LP-57	O FD-101A-03-03	SA	Category C	CK	Yes	NA	2			3LP-57 - Full Stroke (Open)	Condition Monitoring
										3LP-57 - Partial Stroke (Open)	Condition Monitoring
										Non-safety Direction Stroke (Closed)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring
3LP-92	O FD-102A-03-02	AO	Category B	CV	No	NA	2			3LP-92 - Position Indicator (Open)	Tested once every two years
										3LP-92 - Position Indicator (Closed)	Tested once every two years
3LP-93	O FD-102A-03-02	AO	Category B	CV	No	NA	2			3LP-93 - Position Indicator (Open)	Tested once every two years
										3LP-93 - Position Indicator (Closed)	Tested once every two years
3LP-100	O FD-102A-03-01	SA	Category C	RV	No	NA	2			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule

OCONEE NUCLEAR STATION

LP - LOW PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
3LP-101	O FD-102A-03-01	SA	Category C	RV	No	NA	2			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
3LP-103	O FD-102A-03-01	MR	Category B	GA	Yes	NA	1		ON-LP03	3LP-103 - Stroke Time (Cls to Opn)	Tested every refueling outage
										3LP-103 - Position Indicator (Open)	Tested once every two years
										3LP-103 - Position Indicator (Closed)	Tested once every two years
3LP-104	O FD-102A-03-01	ML	Category B	GA	Yes	NA	1		ON-LP13	3LP-104 - Stroke Time (Cls to Opn)	Tested every cold shutdown
										3LP-104 - Position Indicator (Open)	Tested once every two years
										3LP-104 - Position Indicator (Closed)	Tested once every two years
3LP-167	O FD-102A-03-01	SA	Category C	CK	Yes	NA	1		ON-LP12	Full Stroke (Closed)	Tested every refueling outage
										Full Stroke (Open)	Tested every refueling outage
3LP-176	O FD-102A-03-03	SA	Category AC	CK	Yes	NA	1			Full Stroke (Open)	Condition Monitoring
										Full Stroke (Closed)	Condition Monitoring
										Leak Test - ASME OM	Tested once every two

OCONEE NUCLEAR STATION

LP - LOW PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										(Accident Direction)	years
										Sample Disassembly (Both)	Condition Monitoring
3LP-177	O FD-102A-03-03	SA	Category AC	CK	Yes	NA	1			Full Stroke (Open)	Condition Monitoring
										Full Stroke (Closed)	Condition Monitoring
										Leak Test - ASME OM (Accident Direction)	Tested once every two years
										Sample Disassembly (Both)	Condition Monitoring

OCONEE NUCLEAR STATION

LPS - LOW PRESSURE SERVICE WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
LPSW-1	O FD-124A-01-01	ML	Category B	GA	No	NA	3			LPSW-1 - Position Indicator (Open)	Tested once every two years
LPSW-2	O FD-124A-01-01	ML	Category B	GA	No	NA	3			LPSW-2 - Position Indicator (Open)	Tested once every two years
LPSW-3	O FD-124A-01-01	ML	Category B	GA	No	NA	3			LPSW-3 - Position Indicator (Open)	Tested once every two years
LPSW-25	O FD-124A-01-01	SA	Category C	CK	Yes	NA	3			LPSW-25 - Full Stroke (Open)	Tested once quarterly
										LPSW-25 - Full Stroke (Closed)	Tested once quarterly
LPSW-28	O FD-124A-01-01	SA	Category C	CK	Yes	NA	3			LPSW-28 - Full Stroke (Open)	Tested once quarterly
										LPSW-28 - Full Stroke (Closed)	Tested once quarterly
LPSW-31	O FD-124A-01-01	SA	Category C	CK	Yes	NA	3			LPSW-31 - Full Stroke (Open)	Tested once quarterly
										LPSW-31 - Full Stroke (Closed)	Tested once quarterly
1LPSW-4	O FD-124B-01-01	ML	Category B	BV	Yes	NA	3			1LPSW-4 - Stroke Time (Open to Closed)	Tested once quarterly
										1LPSW-4 - Stroke Time (Closed to Open)	Tested once quarterly

OCONEE NUCLEAR STATION

LPS - LOW PRESSURE SERVICE WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										1LPSW-4 - Position Indicator (Open)	Tested once every two years
										1LPSW-4 - Position Indicator (Closed)	Tested once every two years
1LPSW-5	O FD-124B-01-01	ML	Category B	BV	Yes	NA	3			1LPSW-5 - Stroke Time (Open to Closed)	Tested once quarterly
										1LPSW-5 - Stroke Time (Closed to Open)	Tested once quarterly
										1LPSW-5 - Position Indicator (Open)	Tested once every two years
										1LPSW-5 - Position Indicator (Closed)	Tested once every two years
1LPSW-6	O FD-124B-01-04	ML	Category B	BV	Yes	NA	2		ON-LPSW01	1LPSW-6 - Stroke Time (Opn to Cls)	Tested every cold shutdown
										1LPSW-6 - Position Indicator (Open)	Tested once every two years
										1LPSW-6 - Position Indicator (Closed)	Tested once every two years
1LPSW-15	O FD-124B-01-04	ML	Category B	BV	Yes	NA	2		ON-LPSW01	1LPSW-15 - Stroke Time (Opn to Cls)	Tested every cold shutdown
										1LPSW-15 - Position Indicator (Open)	Tested once every two years
										1LPSW-15 - Position Indicator (Closed)	Tested once every two years
1LPSW-16	O FD-124B-01-02	ML	Category B	BV	No	NA	2			1LPSW-16 - Position	Tested once every two

OCONEE NUCLEAR STATION

LPS - LOW PRESSURE SERVICE WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Indicator (Open)	years
										1LPSW-16 - Position Indicator (Closed)	Tested once every two years
1LPSW-18	O FD-124B-01-02	ML	Category B	BF	Yes	NA	2		ON-LPSW05	1LPSW-18 - Stroke Time (Cls to Opn)	Tested every cold shutdown
										1LPSW-18 - Partial Stroke (Open)	Tested once monthly
										1LPSW-18 - Position Indicator (Open)	Tested once every two years
										1LPSW-18 - Position Indicator (Closed)	Tested once every two years
1LPSW-19	O FD-124B-01-02	ML	Category B	BV	No	NA	2			1LPSW-19 - Position Indicator (Open)	Tested once every two years
										1LPSW-19 - Position Indicator (Closed)	Tested once every two years
1LPSW-21	O FD-124B-01-02	ML	Category B	BF	Yes	NA	2		ON-LPSW05	1LPSW-21 - Stroke Time (Cls to Opn)	Tested every cold shutdown
										1LPSW-21 - Partial Stroke (Open)	Tested once monthly
										1LPSW-21 - Position Indicator (Open)	Tested once every two years
										1LPSW-21 - Position Indicator (Closed)	Tested once every two years
1LPSW-22	O FD-124B-01-02	ML	Category B	BV	No	NA	2			1LPSW-22 - Position Indicator (Open)	Tested once every two years

OCONEE NUCLEAR STATION

LPS - LOW PRESSURE SERVICE WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										1LPSW-22 - Position Indicator (Closed)	Tested once every two years
1LPSW-24	O FD-124B-01-02	ML	Category B	BF	Yes	NA	2		ON-LPSW05	1LPSW-24 - Stroke Time (Cls to Opn)	Tested every cold shutdown
										1LPSW-24 - Partial Stroke (Open)	Tested once monthly
										1LPSW-24 - Position Indicator (Open)	Tested once every two years
										1LPSW-24 - Position Indicator (Closed)	Tested once every two years
1LPSW-139	O FD-124A-01-01	ML	Category B	BF	Yes	NA	3			1LPSW-139 - Stroke Time (Opn to Cls)	Tested once quarterly
										1LPSW-139 - Position Indicator (Open)	Tested once every two years
										1LPSW-139 - Position Indicator (Closed)	Tested once every two years
1LPSW-148	O FD-124B-01-01	SA	Category C	CK	Yes	NA	3		ON-LPSW03	1LPSW-148 - Sample Disassembly (Opn to Cls)	Condition Monitoring
										1LPSW-148 - Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
1LPSW-151	O FD-124B-01-01	SA	Category C	CK	Yes	NA	3		ON-LPSW03	1LPSW-151 - Sample Disassembly (Opn to	Condition Monitoring

OCONEE NUCLEAR STATION

LPS - LOW PRESSURE SERVICE WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Cls)	
										1LPSW-151 - Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
1LPSW-251	O FD-124B-01-01	AO	Category B	BV	Yes	NA	3			1LPSW-251 - Stroke Time (Cls to Opn)	Tested once quarterly
1LPSW-252	O FD-124B-01-01	AO	Category B	BV	Yes	NA	3			1LPSW-252 - Stroke Time (Cls to Opn)	Tested once quarterly
1LPSW-308	O FD-124B-01-04	SA	Category C	RV	No	NA	2			1LPSW-308 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
1LPSW-311	O FD-124B-01-04	SA	Category C	RV	No	NA	2			1LPSW-311 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
1LPSW-314	O FD-124B-01-04	SA	Category C	RV	No	NA	2			1LPSW-314 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
1LPSW-317	O FD-124B-01-04	SA	Category C	RV	No	NA	2			1LPSW-317 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
1LPSW-516	O FD-124A-01-03	AO	Category B	BV	Yes	NA	3			1LPSW-516 - Stroke Time (Cls to Opn)	Tested once quarterly
1LPSW-525	O FD-124A-01-03	AO	Category B	BV	Yes	NA	3			1LPSW-525 - Stroke Time (Cls to Opn)	Tested once quarterly

OCONEE NUCLEAR STATION

LPS - LOW PRESSURE SERVICE WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1LPSW-931	O FD-124B-01-01	SA	Category C	CK	Yes	NA	3			1LPSW-931 - Full Stroke (Closed)	Tested once quarterly
										Non-safety Direction Stroke (Open)	Tested once quarterly
1LPSW-1054	O FD-124B-01-02	AO	Category A	BF	Yes	NA	2			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										Stroke Time (Open to Closed)	Tested once quarterly
										Position Indicator (Closed)	Tested once every two years
1LPSW-1055	O FD-124B-01-02	AO	Category A	BF	Yes	NA	2			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										Stroke Time (Open to Closed)	Tested once quarterly
										Position Indicator (Closed)	Tested once every two years
1LPSW-1057	O FD-124B-01-02	SA	Category C	RV	Yes	NA	2			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
1LPSW-1061	O FD-124B-01-02	AO	Category A	BF	Yes	NA	2			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										Stroke Time (Open to Closed)	Tested once quarterly
										Position Indicator (Closed)	Tested once every two years

OCONEE NUCLEAR STATION

LPS - LOW PRESSURE SERVICE WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1LPSW-1062	O FD-124B-01-02	AO	Category A	BF	Yes	NA	2			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										Stroke Time (Open to Closed)	Tested once quarterly
										Position Indicator (Closed)	Tested once every two years
1LPSW-1089	O FD-124B-01-03	SA	Category C	RV	Yes	NA	2			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
1LPSW-1111	O FD-124B-01-01	SA	Category AC	CK	Yes		3			Leak Test - ASME OM (Accident Direction)	Tested once every two years
										Full Stroke (Closed)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring
1LPSW-1116	O FD-124B-01-01	SA	Category AC	CK	Yes		3			Leak Test - ASME OM (Accident Direction)	Tested once every two years
										Full Stroke (Closed)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring
1LPSW-1121	O FD-124B-01-01	AO	Category A	BF	Yes		3			Stroke Time (Open to Closed)	Tested every cold shutdown
										Position Indicator (Closed)	Tested once every two years
										Position Indicator	Tested once every two

OCONEE NUCLEAR STATION

LPS - LOW PRESSURE SERVICE WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										(Open)	years
										Leak Test - ASME OM (Accident Direction)	Tested once every two years
										Stroke Time (Closed to Open)	Tested every cold shutdown
1LPSW-1122	O FD-124B-01-01	AO	Category A	BF	Yes		3			Stroke Time (Open to Closed)	Tested every cold shutdown
										Position Indicator (Closed)	Tested once every two years
										Position Indicator (Open)	Tested once every two years
										Leak Test - ASME OM (Accident Direction)	Tested once every two years
										Stroke Time (Closed to Open)	Tested every cold shutdown
1LPSW-1123	O FD-124B-01-01	AO	Category A	BF	Yes		3			Stroke Time (Open to Closed)	Tested every cold shutdown
										Position Indicator (Closed)	Tested once every two years
										Position Indicator (Open)	Tested once every two years
										Leak Test - ASME OM (Accident Direction)	Tested once every two years
										Stroke Time (Closed to Open)	Tested every cold shutdown

OCONEE NUCLEAR STATION

LPS - LOW PRESSURE SERVICE WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1LPSW-1124	O FD-124B-01-01	AO	Category A	BF	Yes		3			Stroke Time (Open to Closed)	Tested every cold shutdown
										Position Indicator (Closed)	Tested once every two years
										Position Indicator (Open)	Tested once every two years
										Leak Test - ASME OM (Accident Direction)	Tested once every two years
										Stroke Time (Closed to Open)	Tested every cold shutdown
1LPSW-1127	O FD-124B-01-01	SA	Category C	RV	Yes		3			1LPSW-1127 - Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
1LPSW-1135	O FD-124B-01-01	SA	Category C	RV	Yes		3			1LPSW-1135 - Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
1LPSW-1150	O FD-124B-01-01	AO	Category B	BF	Yes		3			Stroke Time (Closed to Open)	Tested once quarterly
										1LPSW-1150 Position Indicator (Open)	Tested once every two years
1LPSW-1151	O FD-124B-01-01	AO	Category B	BF	Yes		3			Stroke Time (Closed to Open)	Tested once quarterly
2LPSW-4	O FD-124B-02-01	ML	Category B	BV	Yes	NA	3			2LPSW-4 - Stroke Time (Open to Closed)	Tested once quarterly
										2LPSW-4 - Stroke	Tested once quarterly

OCONEE NUCLEAR STATION

LPS - LOW PRESSURE SERVICE WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Time (Closed to Open)	
										2LPSW-4 - Position Indicator (Open)	Tested once every two years
										2LPSW-4 - Position Indicator (Closed)	Tested once every two years
2LPSW-5	O FD-124B-02-01	ML	Category B	BV	Yes	NA	3			2LPSW-5 - Stroke Time (Open to Closed)	Tested once quarterly
										2LPSW-5 - Stroke Time (Closed to Open)	Tested once quarterly
										2LPSW-5 - Position Indicator (Open)	Tested once every two years
										2LPSW-5 - Position Indicator (Closed)	Tested once every two years
2LPSW-6	O FD-124B-02-04	ML	Category B	BV	Yes	NA	2		ON-LPSW01	2LPSW-6 - Stroke Time (Opn to Cls)	Tested every cold shutdown
										2LPSW-6 - Position Indicator (Open)	Tested once every two years
										2LPSW-6 - Position Indicator (Closed)	Tested once every two years
2LPSW-15	O FD-124B-02-04	ML	Category B	BV	Yes	NA	2		ON-LPSW01	2LPSW-15 - Stroke Time (Opn to Cls)	Tested every cold shutdown
										2LPSW-15 - Position Indicator (Open)	Tested once every two years
										2LPSW-15 - Position Indicator (Closed)	Tested once every two years

OCONEE NUCLEAR STATION

LPS - LOW PRESSURE SERVICE WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
2LPSW-16	O FD-124B-02-02	ML	Category B	BV	No	NA	2			2LPSW-16 - Position Indicator (Open)	Tested once every two years
										2LPSW-16 - Position Indicator (Closed)	Tested once every two years
2LPSW-18	O FD-124B-02-02	ML	Category B	BF	Yes	NA	2		ON-LPSW07	2LPSW-18 - Stroke Time (Cls to Opn)	Tested every cold shutdown
										2LPSW-18 - Partial Stroke (Open)	Tested once monthly
										2LPSW-18 - Position Indicator (Open)	Tested once every two years
										2LPSW-18 - Position Indicator (Closed)	Tested once every two years
2LPSW-19	O FD-124B-02-02	ML	Category B	BV	No	NA	2			2LPSW-19 - Position Indicator (Open)	Tested once every two years
										2LPSW-19 - Position Indicator (Closed)	Tested once every two years
2LPSW-21	O FD-124B-02-02	ML	Category B	BF	Yes	NA	2		ON-LPSW07	2LPSW-21 - Stroke Time (Cls to Opn)	Tested every cold shutdown
										2LPSW-21 - Partial Stroke (Open)	Tested once monthly
										2LPSW-21 - Position Indicator (Open)	Tested once every two years
										2LPSW-21 - Position Indicator (Closed)	Tested once every two years

OCONEE NUCLEAR STATION

LPS - LOW PRESSURE SERVICE WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
2LPSW-22	O FD-124B-02-02	ML	Category B	BV	No	NA	2			2LPSW-22 - Position Indicator (Open)	Tested once every two years
										2LPSW-22 - Position Indicator (Closed)	Tested once every two years
2LPSW-24	O FD-124B-02-02	ML	Category B	BF	Yes	NA	2		ON-LPSW07	2LPSW-24 - Stroke Time (Cls to Opn)	Tested every cold shutdown
										2LPSW-24 - Partial Stroke (Open)	Tested once monthly
										2LPSW-24 - Position Indicator (Open)	Tested once every two years
										2LPSW-24 - Position Indicator (Closed)	Tested once every two years
2LPSW-139	O FD-124A-01-01	ML	Category B	BF	Yes	NA	3			2LPSW-139 - Stroke Time (Opn to Cls)	Tested once quarterly
										2LPSW-139 - Position Indicator (Open)	Tested once every two years
										2LPSW-139 - Position Indicator (Closed)	Tested once every two years
2LPSW-148	O FD-124B-02-01	SA	Category C	CK	Yes	NA	3			2LPSW-148 - Full Stroke (Open)	Condition Monitoring
										Full Stroke (Closed)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring
2LPSW-251	O FD-124B-02-01	AO	Category B	BV	Yes	NA	3			2LPSW-251 - Stroke	Tested once quarterly

OCONEE NUCLEAR STATION

LPS - LOW PRESSURE SERVICE WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Time (Cls to Opn)	
2LPSW-252	O FD-124B-02-01	AO	Category B	BV	Yes	NA	3			2LPSW-252 - Stroke Time (Cls to Opn)	Tested once quarterly
2LPSW-308	O FD-124B-02-04	SA	Category C	RV	No	NA	2			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
2LPSW-311	O FD-124B-02-04	SA	Category C	RV	No	NA	2			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
2LPSW-314	O FD-124B-02-04	SA	Category C	RV	No	NA	2			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
2LPSW-317	O FD-124B-02-04	SA	Category C	RV	No	NA	2			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
2LPSW-503	O FD-124B-02-01	SA	Category C	CK	Yes	NA	3		ON-LPSW03	2LPSW-503 - Sample Disassembly (Opn to Cls)	Condition Monitoring
										2LPSW-503 - Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
2LPSW-516	O FD-124A-02-03	AO	Category B	BV	Yes	NA	3			2LPSW-516 - Stroke Time (Cls to Opn)	Tested once quarterly
2LPSW-525	O FD-124A-02-03	AO	Category B	BV	Yes	NA	3			2LPSW-525 - Fast Acting Stroke Time (Cls to Opn)	Tested once quarterly

OCONEE NUCLEAR STATION

LPS - LOW PRESSURE SERVICE WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
2LPSW-931	O FD-124B-02-01	SA	Category C	CK	Yes	NA	3			2LPSW-931 - Full Stroke (Closed)	Tested once quarterly
										Non-safety Direction Stroke (Open)	Tested once quarterly
2LPSW-1054	O FD-124B-02-02	AO	Category A	BF	Yes	NA	2			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										Stroke Time (Open to Closed)	Tested once quarterly
										Position Indicator (Closed)	Tested once every two years
2LPSW-1055	O FD-124B-02-02	AO	Category A	BF	Yes	NA	2			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										Stroke Time (Open to Closed)	Tested once quarterly
										Position Indicator (Closed)	Tested once every two years
2LPSW-1057	O FD-124B-02-02	SA	Category C	RV	Yes	NA	2			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
2LPSW-1061	O FD-124B-02-02	AO	Category A	BF	Yes	NA	2			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										Stroke Time (Open to Closed)	Tested once quarterly
										Position Indicator (Closed)	Tested once every two years

OCONEE NUCLEAR STATION

LPS - LOW PRESSURE SERVICE WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
2LPSW-1062	O FD-124B-02-02	AO	Category A	BF	Yes	NA	2			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										Stroke Time (Open to Closed)	Tested once quarterly
										Position Indicator (Closed)	Tested once every two years
2LPSW-1089	O FD-124B-02-02	SA	Category C	RV	Yes	NA	2			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
2LPSW-1111	O FD-124B-02-01	SA	Category AC	CK	Yes		3			Full Stroke (Closed)	Condition Monitoring
										Leak Test - ASME OM (Accident Direction)	Tested once every two years
										Sample Disassembly (Both)	Condition Monitoring
2LPSW-1116	O FD-124B-02-01	SA	Category AC	CK	Yes		3			Leak Test - ASME OM (Accident Direction)	Tested once every two years
										Full Stroke (Closed)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring
2LPSW-1121	O FD-124B-02-01	AO	Category A	BF	Yes		3		ON-LPSW06	Stroke Time (Open to Closed)	Tested every cold shutdown
										Position Indicator (Closed)	Tested once every two years

OCONEE NUCLEAR STATION

LPS - LOW PRESSURE SERVICE WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Position Indicator (Open)	Tested once every two years
										Leak Test - ASME OM (Accident Direction)	Tested once every two years
										Stroke Time (Closed to Open)	Tested every cold shutdown
2LPSW-1122	O FD-124B-02-01	AO	Category A	BF	Yes		3		ON-LPSW06	Stroke Time (Open to Closed)	Tested every cold shutdown
										Position Indicator (Closed)	Tested once every two years
										Position Indicator (Open)	Tested once every two years
										Leak Test - ASME OM (Accident Direction)	Tested once every two years
										Stroke Time (Closed to Open)	Tested every cold shutdown
2LPSW-1123	O FD-124B-02-01	AO	Category A	BF	Yes		3		ON-LPSW06	Stroke Time (Open to Closed)	Tested every cold shutdown
										Position Indicator (Closed)	Tested once every two years
										Position Indicator (Open)	Tested once every two years
										Leak Test - ASME OM (Accident Direction)	Tested once every two years
										Stroke Time (Closed to Open)	Tested every cold shutdown

OCONEE NUCLEAR STATION

LPS - LOW PRESSURE SERVICE WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
2LPSW-1124	O FD-124B-02-01	AO	Category A	BF	Yes		3		ON-LPSW06	Stroke Time (Open to Closed)	Tested every cold shutdown
										Position Indicator (Closed)	Tested once every two years
										Position Indicator (Open)	Tested once every two years
										Leak Test - ASME OM (Accident Direction)	Tested once every two years
										Stroke Time (Closed to Open)	Tested every cold shutdown
2LPSW-1127	O FD-124B-02-01	SA	Category C	RV	Yes		3			2LPSW-1127 - Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
2LPSW-1135	O FD-124B-02-01	SA	Category C	RV	Yes		3			2LPSW-1135 - Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
2LPSW-1150	O FD-124B-02-01	AO	Category B	BF	Yes		3			Fast Acting Stroke Time (Closed to Open)	Tested once quarterly
										Position Indicator (Open)	Tested once every two years
										Position Indicator (Closed)	Tested once every two years
2LPSW-1151	O FD-124B-02-01	AO	Category B	BF	Yes		3			Fast Acting Stroke Time (Closed to Open)	Tested once quarterly
										Position Indicator (Closed)	Tested once every two years

OCONEE NUCLEAR STATION

LPS - LOW PRESSURE SERVICE WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Position Indicator (Open)	Tested once every two years
3LPSW-4	O FD-124B-03-01	ML	Category B	BV	Yes	NA	3			3LPSW-4 - Stroke Time (Open to Closed)	Tested once quarterly
										3LPSW-4 - Stroke Time (Closed to Open)	Tested once quarterly
										3LPSW-4 - Position Indicator (Open)	Tested once every two years
										3LPSW-4 - Position Indicator (Closed)	Tested once every two years
3LPSW-5	O FD-124B-03-01	ML	Category B	BV	Yes	NA	3			3LPSW-5 - Stroke Time (Open to Closed)	Tested once quarterly
										3LPSW-5 - Stroke Time (Closed to Open)	Tested once quarterly
										3LPSW-5 - Position Indicator (Open)	Tested once every two years
										3LPSW-5 - Position Indicator (Closed)	Tested once every two years
3LPSW-6	O FD-124B-03-04	ML	Category B	BV	Yes	NA	2		ON-LPSW01	3LPSW-6 - Stroke Time (Opn to Cls)	Tested every cold shutdown
										3LPSW-6 - Position Indicator (Open)	Tested once every two years
										3LPSW-6 - Position Indicator (Closed)	Tested once every two years
3LPSW-15	O FD-124B-03-04	ML	Category B	BV	Yes	NA	2		ON-LPSW01	3LPSW-15 - Stroke	Tested every cold

OCONEE NUCLEAR STATION

LPS - LOW PRESSURE SERVICE WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Time (Opn to Cls)	shutdown
										3LPSW-15 - Position Indicator (Open)	Tested once every two years
										3LPSW-15 - Position Indicator (Closed)	Tested once every two years
3LPSW-16	O FD-124B-03-02	ML	Category B	BV	No	NA	2			3LPSW-16 - Position Indicator (Open)	Tested once every two years
										3LPSW-16 - Position Indicator (Closed)	Tested once every two years
3LPSW-18	O FD-124B-03-02	ML	Category B	BF	Yes	NA	2		ON-LPSW07	3LPSW-18 - Stroke Time (Cls to Opn)	Tested every cold shutdown
										3LPSW-18 - Partial Stroke (Open)	Tested once monthly
										3LPSW-18 - Position Indicator (Open)	Tested once every two years
										3LPSW-18 - Position Indicator (Closed)	Tested once every two years
3LPSW-19	O FD-124B-03-02	ML	Category B	BV	No	NA	2			3LPSW-19 - Position Indicator (Open)	Tested once every two years
										3LPSW-19 - Position Indicator (Closed)	Tested once every two years
3LPSW-21	O FD-124B-03-02	ML	Category B	BF	Yes	NA	2		ON-LPSW07	3LPSW-21 - Stroke Time (Cls to Opn)	Tested every cold shutdown
										3LPSW-21 - Partial	Tested once monthly

OCONEE NUCLEAR STATION

LPS - LOW PRESSURE SERVICE WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Stroke (Open)	
										3LPSW-21 - Position Indicator (Open)	Tested once every two years
										3LPSW-21 - Position Indicator (Closed)	Tested once every two years
3LPSW-22	O FD-124B-03-02	ML	Category B	BV	No	NA	2			3LPSW-22 - Position Indicator (Open)	Tested once every two years
										3LPSW-22 - Position Indicator (Closed)	Tested once every two years
3LPSW-24	O FD-124B-03-02	ML	Category B	BF	Yes	NA	2		ON-LPSW07	3LPSW-24 - Stroke Time (Cls to Opn)	Tested every cold shutdown
										3LPSW-24 - Partial Stroke (Open)	Tested once monthly
										3LPSW-24 - Position Indicator (Open)	Tested once every two years
										3LPSW-24 - Position Indicator (Closed)	Tested once every two years
3LPSW-120	O FD-124A-03-01	ML	Category B	GA	No	NA	3			3LPSW-120 - Position Indicator (Open)	Tested once every two years
3LPSW-121	O FD-124A-03-01	SA	Category C	CK	Yes	NA	3			3LPSW-121 - Full Stroke (Open)	Tested once quarterly
										3LPSW-121 - Full Stroke (Closed)	Tested once quarterly
3LPSW-123	O FD-124A-03-01	ML	Category B	GA	No	NA	3			3LPSW-123 - Position	Tested once every two

OCONEE NUCLEAR STATION

LPS - LOW PRESSURE SERVICE WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Indicator (Open)	years
3LPSW-124	O FD-124A-03-01	SA	Category C	CK	Yes	NA	3			3LPSW-124 - Full Stroke (Open)	Tested once quarterly
										3LPSW-124 - Full Stroke (Closed)	Tested once quarterly
3LPSW-139	O FD-124A-03-01	MR	Category B	BF	Yes	NA	3		ON-LPSW02	3LPSW-139 - Stroke Time (Opn to Cls)	Tested every cold shutdown.
										3LPSW-139 - Position Indicator (Open)	Tested once every two years
										3LPSW-139 - Position Indicator (Closed)	Tested once every two years
3LPSW-148	O FD-124B-03-01	SA	Category C	CK	Yes	NA	3		ON-LPSW03	3LPSW-148 - Sample Disassembly (Opn to Cls)	Condition Monitoring
										3LPSW-148 - Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
3LPSW-251	O FD-124B-03-01	AO	Category B	BV	Yes	NA	3			3LPSW-251 - Stroke Time (Cls to Opn)	Tested once quarterly
3LPSW-252	O FD-124B-03-01	AO	Category B	BV	Yes	NA	3			3LPSW-252 - Stroke Time (Cls to Opn)	Tested once quarterly
3LPSW-308	O FD-124B-03-04	SA	Category C	RV	No	NA	2			3LPSW-308 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule

OCONEE NUCLEAR STATION

LPS - LOW PRESSURE SERVICE WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
3LPSW-311	O FD-124B-03-04	SA	Category C	RV	No	NA	2			3LPSW-311 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
3LPSW-314	O FD-124B-03-04	SA	Category C	RV	No	NA	2			3LPSW-314 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
3LPSW-317	O FD-124B-03-04	SA	Category C	RV	No	NA	2			3LPSW-317 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
3LPSW-503	O FD-124B-03-01	SA	Category C	CK	Yes	NA	3		ON-LPSW03	3LPSW-503 - Sample Disassembly (Opn to Cls)	Condition Monitoring
										3LPSW-503 - Full Stroke (Open)	Condition Monitoring
										Sample Disassembly (Closed to Open)	Condition Monitoring
3LPSW-516	O FD-124A-03-03	AO	Category B	BV	Yes	NA	3			3LPSW-516 - Fast Acting Stroke Time (Cls to Opn)	Tested once quarterly
3LPSW-525	O FD-124A-03-03	AO	Category B	BV	Yes	NA	3			3LPSW-525 - Fast Acting Stroke Time (Cls to Opn)	Tested once quarterly
3LPSW-931	O FD-124B-03-01	SA	Category C	CK	Yes	NA	3			3LPSW-931 - Full Stroke (Closed)	Tested once quarterly
										Non-safety Direction Stroke (Open)	Tested once quarterly
3LPSW-1054	O FD-124B-03-02	AO	Category A	BF	Yes	NA	2			Stroke Time (Open to Closed)	Tested once quarterly

OCONEE NUCLEAR STATION

LPS - LOW PRESSURE SERVICE WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Position Indicator (Closed)	Tested once every two years
										Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
3LPSW-1055	O FD-124B-03-02	AO	Category A	BF	Yes	NA	2			Stroke Time (Open to Closed)	Tested once quarterly
										Position Indicator (Closed)	Tested once every two years
										Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
3LPSW-1057	O FD-124B-03-02	SA	Category C	RV	Yes	NA	2			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
3LPSW-1061	O FD-124B-03-02	AO	Category A	BF	Yes	NA	2			Stroke Time (Open to Closed)	Tested once quarterly
										Position Indicator (Closed)	Tested once every two years
										Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
3LPSW-1062	O FD-124B-03-02	AO	Category A	BF	Yes	NA	2			Stroke Time (Open to Closed)	Tested once quarterly
										Position Indicator (Closed)	Tested once every two years
										Leak Test - Appendix J (Accident Direction)	Tested every refueling outage

OCONEE NUCLEAR STATION

LPS - LOW PRESSURE SERVICE WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
3LPSW-1089	O FD-124B-03-02	SA	Category C	RV	Yes	NA	2			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
3LPSW-1111	O FD-124B-03-01	SA	Category AC	CK	Yes		3			Leak Test - ASME OM (Accident Direction)	Tested once every two years
										Full Stroke (Closed)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring
3LPSW-1116	O FD-124B-03-01	SA	Category AC	CK	Yes		3			Leak Test - ASME OM (Accident Direction)	Tested once every two years
										Full Stroke (Closed)	Condition Monitoring
										Sample Disassembly (Both)	Condition Monitoring
3LPSW-1121	O FD-124B-03-01	AO	Category A	BF	Yes		3		ON-LPSW06	Position Indicator (Closed)	Tested once every two years
										Position Indicator (Open)	Tested once every two years
										Stroke Time (Open to Closed)	Tested every cold shutdown
										Leak Test - ASME OM (Accident Direction)	Tested once every two years
										Stroke Time (Closed to Open)	Tested every cold shutdown
3LPSW-1122	O FD-124B-03-01	AO	Category A	BF	Yes		3		ON-LPSW06	Position Indicator (Closed)	Tested once every two years

OCONEE NUCLEAR STATION

LPS - LOW PRESSURE SERVICE WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Position Indicator (Open)	Tested once every two years
										Stroke Time (Open to Closed)	Tested every cold shutdown
										Leak Test - ASME OM (Accident Direction)	Tested once every two years
										Stroke Time (Closed to Open)	Tested every cold shutdown
3LPSW-1123	O FD-124B-03-01	AO	Category A	BF	Yes		3		ON-LPSW06	Position Indicator (Closed)	Tested once every two years
										Position Indicator (Open)	Tested once every two years
										Stroke Time (Open to Closed)	Tested every cold shutdown
										Leak Test - ASME OM (Accident Direction)	Tested once every two years
										Stroke Time (Closed to Open)	Tested every cold shutdown
3LPSW-1124	O FD-124B-03-01	AO	Category A	BF	Yes		3		ON-LPSW06	Position Indicator (Closed)	Tested once every two years
										Position Indicator (Open)	Tested once every two years
										Stroke Time (Open to Closed)	Tested every cold shutdown

OCONEE NUCLEAR STATION

LPS - LOW PRESSURE SERVICE WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Leak Test - ASME OM (Accident Direction)	Tested once every two years
										Stroke Time (Closed to Open)	Tested every cold shutdown
3LPSW-1127	O FD-124B-03-01	SA	Category C	RV	Yes		3			3LPSW-1127 - Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
3LPSW-1135	O FD-124B-03-01	SA	Category C	RV	Yes		3			3LPSW-1135 - Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
3LPSW-1150	O FD-124B-03-01	AO	Category B	BF	Yes		3			Fast Acting Stroke Time (Closed to Open)	Tested once quarterly
										Position Indicator (Closed)	Tested once every two years
										Position Indicator (Open)	Tested once every two years
3LPSW-1151	O FD-124B-03-01	AO	Category B	BF	Yes		3			Stroke Time (Closed to Open)	Tested once quarterly
										Position Indicator (Closed)	Tested once every two years
										Position Indicator (Open)	Tested once every two years

OCONEE NUCLEAR STATION

LRT - LEAK RATE TEST

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1LRT-17	O FD-137E-01-01	AO	Category A	DP	No	NA	2			1LRT-17 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
1LRT-24	O FD-137E-01-01	MA	Category A	GL	No	NA	2			1LRT-24 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
1LRT-25	O FD-137E-01-01	MA	Category A	GL	No	NA	2			1LRT-25 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
1LRT-38	O FD-137E-01-01	MA	Category A	GL	No	NA	2			1LRT-38 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
1LRT-39	O FD-137E-01-01	MA	Category A	GL	No	NA	2			1LRT-39 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
2LRT-17	O FD-137E-01-01	AO	Category A	DP	No	NA	2			2LRT-17 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
2LRT-24	O FD-137E-01-01	MA	Category A	DP	No	NA	2			2LRT-24 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
2LRT-25	O FD-137E-01-01	MA	Category A	GL	No	NA	2			2LRT-25 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
2LRT-36	O FD-137E-01-01	MA	Category A	GL	No	NA	2			2LRT-36 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
2LRT-37	O FD-137E-01-01	MA	Category A	GL	No	NA	2			2LRT-37 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage

OCONEE NUCLEAR STATION

LRT - LEAK RATE TEST

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
2LRT-38	O FD-137E-01-01	MA	Category A	GL	No	NA	2			2LRT-38 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
2LRT-39	O FD-137E-01-01	MA	Category A	GL	No	NA	2			2LRT-39 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
3LRT-17	O FD-137E-01-01	AO	Category A	DP	No	NA	2			3LRT-17 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
3LRT-24	O FD-137E-01-01	MA	Category A	GL	No	NA	2			3LRT-24 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
3LRT-25	O FD-137E-01-01	MA	Category A	GL	No	NA	2			3LRT-25 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
3LRT-36	O FD-137E-01-01	MA	Category A	GL	No	NA	2			3LRT-36 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
3LRT-37	O FD-137E-01-01	MA	Category A	GL	No	NA	2			3LRT-37 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
3LRT-38	O FD-137E-01-01	MA	Category A	GL	No	NA	2			3LRT-38 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
3LRT-39	O FD-137E-01-01	MA	Category A	GL	No	NA	2			3LRT-39 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage

OCONEE NUCLEAR STATION

LWD - LIQUID WASTE DISPOSAL

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1LWD-1	O FD-107B-01-01	ML	Category A	DP	Yes	NA	2			1LWD-1 - Stroke Time (Opn to Cls)	Tested once quarterly
										1LWD-1 - Position Indicator (Open)	Tested once every two years
										1LWD-1 - Position Indicator (Closed)	Tested once every two years
1LWD-2	O FD-107B-01-01	AO	Category A	DP	Yes	NA	2			1LWD-2 - Fast Acting Stroke Time (Opn to Cls)	Tested once quarterly
										1LWD-2 - Position Indicator (Open)	Tested once every two years
										1LWD-2 - Position Indicator (Closed)	Tested once every two years
2LWD-1	O FD-107B-02-01	ML	Category A	DP	Yes	NA	2			2LWD-1 - Stroke Time (Opn to Cls)	Tested once quarterly
										2LWD-1 - Position Indicator (Open)	Tested once every two years
										2LWD-1 - Position Indicator (Closed)	Tested once every two years
2LWD-2	O FD-107B-02-01	AO	Category A	DP	Yes	NA	2			2LWD-2 - Fast Acting Stroke Time (Opn to Cls)	Tested once quarterly
										2LWD-2 - Position Indicator (Open)	Tested once every two years
										2LWD-2 - Position Indicator (Closed)	Tested once every two years

OCONEE NUCLEAR STATION

LWD - LIQUID WASTE DISPOSAL

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
3LWD-1	O FD-107B-03-01	ML	Category A	DP	Yes	NA	2			3LWD-1 - Stroke Time (Opn to CIs)	Tested once quarterly
										3LWD-1 - Position Indicator (Closed)	Tested once every two years
										Position Indicator (Open)	Tested once every two years
3LWD-2	O -0449-T O FD-107B-03-01	AO	Category A	DP	Yes	NA	2			3LWD-2 - Position Indicator (Closed)	Tested once every two years
										3LWD-2 - Fast Acting Stroke Time (Opn to CIs)	Tested once quarterly
										Position Indicator (Open)	Tested once every two years

OCONEE NUCLEAR STATION

MS - MAIN STEAM

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1MS-1	O FD-122A-01-01	SA	Category C	RV	Yes	NA	2			1MS-1 - Relief Valve Test (Cls to Opn)	Test relief valve per OM- 1 schedule
1MS-2	O FD-122A-01-01	SA	Category C	RV	Yes	NA	2			1MS-2 - Relief Valve Test (Cls to Opn)	Test relief valve per OM- 1 schedule
1MS-3	O FD-122A-01-01	SA	Category C	RV	Yes	NA	2			1MS-3 - Relief Valve Test (Cls to Opn)	Test relief valve per OM- 1 schedule
1MS-4	O FD-122A-01-01	SA	Category C	RV	Yes	NA	2			1MS-4 - Relief Valve Test (Cls to Opn)	Test relief valve per OM- 1 schedule
1MS-5	O FD-122A-01-01	SA	Category C	RV	Yes	NA	2			1MS-5 - Relief Valve Test (Cls to Opn)	Test relief valve per OM- 1 schedule
1MS-6	O FD-122A-01-01	SA	Category C	RV	Yes	NA	2			1MS-6 - Relief Valve Test (Cls to Opn)	Test relief valve per OM- 1 schedule
1MS-7	O FD-122A-01-01	SA	Category C	RV	Yes	NA	2			1MS-7 - Relief Valve Test (Cls to Opn)	Test relief valve per OM- 1 schedule
1MS-8	O FD-122A-01-01	SA	Category C	RV	Yes	NA	2			1MS-8 - Relief Valve Test (Cls to Opn)	Test relief valve per OM- 1 schedule
1MS-9	O FD-122A-01-01	SA	Category C	RV	Yes	NA	2			1MS-9 - Relief Valve Test (Cls to Opn)	Test relief valve per OM- 1 schedule
1MS-10	O FD-122A-01-01	SA	Category C	RV	Yes	NA	2			1MS-10 - Relief Valve Test (Cls to Opn)	Test relief valve per OM- 1 schedule
1MS-11	O FD-122A-01-01	SA	Category C	RV	Yes	NA	2			1MS-11 - Relief Valve	Test relief valve per OM-

OCONEE NUCLEAR STATION

MS - MAIN STEAM

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Test (Cls to Opn)	1 schedule
1MS-12	O FD-122A-01-01	SA	Category C	RV	Yes	NA	2			1MS-12 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
1MS-13	O FD-122A-01-01	SA	Category C	RV	Yes	NA	2			1MS-13 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
1MS-14	O FD-122A-01-01	SA	Category C	RV	Yes	NA	2			1MS-14 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
1MS-15	O FD-122A-01-01	SA	Category C	RV	Yes	NA	2			1MS-15 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
1MS-16	O FD-122A-01-01	SA	Category C	RV	Yes	NA	2			1MS-16 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
1MS-17	O FD-122A-01-02	ML	Category B	GA	Yes	NA	2		ON-MS02	1MS-17 - Stroke Time (Opn to Cls)	Tested every cold shutdown
										1MS-17 - Position Indicator (Open)	Tested once every two years
										1MS-17 - Position Indicator (Closed)	Tested once every two years
1MS-24	O FD-122A-01-02	ML	Category B	GA	Yes	NA	2			1MS-24 - Stroke Time (Opn to Cls)	Tested once quarterly
										1MS-24 - Position Indicator (Open)	Tested once every two years
										1MS-24 - Position	Tested once every two

OCONEE NUCLEAR STATION

MS - MAIN STEAM

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Indicator (Closed)	years
1MS-26	O FD-122A-01-02	ML	Category B	GA	Yes	NA	2		ON-MS02	1MS-26 - Stroke Time (Opn to Cls)	Tested every cold shutdown
										1MS-26 - Position Indicator (Open)	Tested once every two years
										1MS-26 - Position Indicator (Closed)	Tested once every two years
1MS-33	O FD-122A-01-02	ML	Category B	GA	Yes	NA	2			1MS-33 - Stroke Time (Opn to Cls)	Tested once quarterly
										1MS-33 - Position Indicator (Open)	Tested once every two years
										1MS-33 - Position Indicator (Closed)	Tested once every two years
1MS-35	O FD-122A-01-03	ML	Category B	GA	Yes	NA	2		ON-MS03	1MS-35 - Stroke Time (Opn to Cls)	Tested every cold shutdown
										1MS-35 - Position Indicator (Open)	Tested once every two years
										1MS-35 - Position Indicator (Closed)	Tested once every two years
1MS-36	O FD-122A-01-03	ML	Category B	GA	Yes	NA	2		ON-MS03	1MS-36 - Stroke Time (Opn to Cls)	Tested every cold shutdown
										1MS-36 - Position Indicator (Open)	Tested once every two years
										1MS-36 - Position	Tested once every two

OCONEE NUCLEAR STATION

MS - MAIN STEAM

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Indicator (Closed)	years
1MS-76	O FD-122A-01-01	ML	Category B	GA	Yes	NA	2		ON-MS04	1MS-76 - Stroke Time (Opn to CIs)	Tested every cold shutdown
										1MS-76 - Position Indicator (Open)	Tested once every two years
										1MS-76 - Position Indicator (Closed)	Tested once every two years
1MS-79	O FD-122A-01-01	ML	Category B	GA	Yes	NA	2		ON-MS04	1MS-79 - Stroke Time (Opn to CIs)	Tested every cold shutdown
										1MS-79 - Position Indicator (Open)	Tested once every two years
										1MS-79 - Position Indicator (Closed)	Tested once every two years
1MS-82	O FD-122A-01-04	ML	Category B	GA	Yes	NA	2			1MS-82 - Stroke Time (Opn to CIs)	Tested once quarterly
										1MS-82 - Position Indicator (Open)	Tested once every two years
										1MS-82 - Position Indicator (Closed)	Tested once every two years
1MS-84	O FD-122A-01-04	ML	Category B	GA	Yes	NA	2			1MS-84 - Stroke Time (Opn to CIs)	Tested once quarterly
										1MS-84 - Position Indicator (Open)	Tested once every two years
										1MS-84 - Position	Tested once every two

OCONEE NUCLEAR STATION

MS - MAIN STEAM

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Indicator (Closed)	years
1MS-92	O FD-122A-01-04	SA	Category C	RV	Yes	NA	3			1MS-92 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
1MS-93	O FD-122A-01-04	AO	Category B	GL	Yes	NA	3			Stroke Time (Open to Closed)	Tested once quarterly
										Position Indicator (Closed)	Tested once quarterly
										Position Indicator (Open)	Tested once quarterly
1MS-95	O FD-122A-01-04	HO	Category B	CV	Yes	NA	3			Stroke Time (Open to Closed)	Tested once quarterly
1MS-102	O FD-122B-01-01	HO	Category B	ST	Yes	NA	2		ON-MS01	1MS-102 - Fast Acting Stroke Time (Opn to Cls)	Tested every cold shutdown
										1MS-102 - Position Indicator (Open)	Tested once every two years
										1MS-102 - Position Indicator (Closed)	Tested once every two years
1MS-103	O FD-122B-01-01	HO	Category B	ST	Yes	NA	2		ON-MS01	1MS-103 - Fast Acting Stroke Time (Opn to Cls)	Tested every cold shutdown
										1MS-103 - Position Indicator (Open)	Tested once every two years
										1MS-103 - Position Indicator (Closed)	Tested once every two years
										Full Stroke (Closed)	Tested once quarterly

OCONEE NUCLEAR STATION

MS - MAIN STEAM

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Full Stroke (Open)	Tested once quarterly
1MS-104	O FD-122B-01-01	HO	Category B	ST	Yes	NA	2		ON-MS01	1MS-104 - Fast Acting Stroke Time (Opn to Cls)	Tested every cold shutdown
										1MS-104 - Position Indicator (Open)	Tested once every two years
										1MS-104 - Position Indicator (Closed)	Tested once every two years
										Full Stroke (Closed)	Tested once quarterly
										Full Stroke (Open)	Tested once quarterly
1MS-105	O FD-122B-01-01	HO	Category B	ST	Yes	NA	2		ON-MS01	1MS-105 - Fast Acting Stroke Time (Opn to Cls)	Tested every cold shutdown
										1MS-105 - Position Indicator (Open)	Tested once every two years
										1MS-105 - Position Indicator (Closed)	Tested once every two years
										Full Stroke (Closed)	Tested once quarterly
										Full Stroke (Open)	Tested once quarterly
1MS-153	O FD-122A-01-01	MA	Category B	GA	Yes	NA	2		ON-MS07	1MS-153 - Full Stroke (Open)	Tested every cold shutdown
										1MS-153 - Full Stroke (Closed)	Tested every cold shutdown
1MS-155	O FD-122A-01-01	MA	Category B	GA	Yes	NA	2		ON-MS07	1MS-155 - Full Stroke (Open)	Tested every cold shutdown

OCONEE NUCLEAR STATION

MS - MAIN STEAM

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										1MS-155 - Full Stroke (Closed)	Tested every cold shutdown
1MS-161	O FD-122A-01-01	MA	Category B	GA	Yes	NA	2		ON-MS07	1MS-161 - Full Stroke (Open)	Tested every cold shutdown
										1MS-161 - Full Stroke (Closed)	Tested every cold shutdown
1MS-163	O FD-122A-01-01	MA	Category B	GA	Yes	NA	2		ON-MS07	1MS-163 - Full Stroke (Open)	Tested every cold shutdown
										1MS-163 - Full Stroke (Closed)	Tested every cold shutdown
2MS-1	O FD-122A-02-01	SA	Category C	RV	Yes	NA	2			2MS-1 - Relief Valve Test (Cls to Opn)	Test relief valve per OM- 1 schedule
2MS-2	O FD-122A-02-01	SA	Category C	RV	Yes	NA	2			2MS-2 - Relief Valve Test (Cls to Opn)	Test relief valve per OM- 1 schedule
2MS-3	O FD-122A-02-01	SA	Category C	RV	Yes	NA	2			2MS-3 - Relief Valve Test (Cls to Opn)	Test relief valve per OM- 1 schedule
2MS-4	O FD-122A-02-01	SA	Category C	RV	Yes	NA	2			2MS-4 - Relief Valve Test (Cls to Opn)	Test relief valve per OM- 1 schedule
2MS-5	O FD-122A-02-01	SA	Category C	RV	Yes	NA	2			2MS-5 - Relief Valve Test (Cls to Opn)	Test relief valve per OM- 1 schedule
2MS-6	O FD-122A-02-01	SA	Category C	RV	Yes	NA	2			2MS-6 - Relief Valve Test (Cls to Opn)	Test relief valve per OM- 1 schedule

OCONEE NUCLEAR STATION

MS - MAIN STEAM

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
2MS-7	O FD-122A-02-01	SA	Category C	RV	Yes	NA	2			2MS-7 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
2MS-8	O FD-122A-02-01	SA	Category C	RV	Yes	NA	2			2MS-8 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
2MS-9	O FD-122A-02-01	SA	Category C	RV	Yes	NA	2			2MS-9 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
2MS-10	O FD-122A-02-01	SA	Category C	RV	Yes	NA	2			2MS-10 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
2MS-11	O FD-122A-02-01	SA	Category C	RV	Yes	NA	2			2MS-11 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
2MS-12	O FD-122A-02-01	SA	Category C	RV	Yes	NA	2			2MS-12 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
2MS-13	O FD-122A-02-01	SA	Category C	RV	Yes	NA	2			2MS-13 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
2MS-14	O FD-122A-02-01	SA	Category C	RV	Yes	NA	2			2MS-14 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
2MS-15	O FD-122A-02-01	SA	Category C	RV	Yes	NA	2			2MS-15 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
2MS-16	O FD-122A-02-01	SA	Category C	RV	Yes	NA	2			2MS-16 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
2MS-17	O FD-122A-02-02	ML	Category B	GA	Yes	NA	2		ON-MS02	2MS-17 - Stroke Time	Tested every cold

OCONEE NUCLEAR STATION

MS - MAIN STEAM

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										(Opn to Cls)	shutdown
										2MS-17 - Position Indicator (Open)	Tested once every two years
										2MS-17 - Position Indicator (Closed)	Tested once every two years
2MS-24	O FD-122A-02-02	ML	Category B	GA	Yes	NA	2			2MS-24 - Stroke Time (Opn to Cls)	Tested once quarterly
										2MS-24 - Position Indicator (Open)	Tested once every two years
										2MS-24 - Position Indicator (Closed)	Tested once every two years
2MS-26	O FD-122A-02-02	ML	Category B	GA	Yes	NA	2		ON-MS02	2MS-26 - Stroke Time (Opn to Cls)	Tested every cold shutdown
										2MS-26 - Position Indicator (Open)	Tested once every two years
										2MS-26 - Position Indicator (Closed)	Tested once every two years
2MS-33	O FD-122A-02-02	ML	Category B	GA	Yes	NA	2			2MS-33 - Stroke Time (Opn to Cls)	Tested once quarterly
										2MS-33 - Position Indicator (Open)	Tested once every two years
										2MS-33 - Position Indicator (Closed)	Tested once every two years
2MS-35	O FD-122A-02-03	ML	Category B	GA	Yes	NA	2		ON-MS03	2MS-35 - Stroke Time (Opn to Cls)	Tested every cold shutdown

OCONEE NUCLEAR STATION

MS - MAIN STEAM

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										2MS-35 - Position Indicator (Open)	Tested once every two years
										2MS-35 - Position Indicator (Closed)	Tested once every two years
2MS-36	O FD-122A-02-03	ML	Category B	GA	Yes	NA	2		ON-MS03	2MS-36 - Stroke Time (Opn to Cls)	Tested every cold shutdown
										2MS-36 - Position Indicator (Open)	Tested once every two years
										2MS-36 - Position Indicator (Closed)	Tested once every two years
2MS-76	O FD-122A-02-01	ML	Category B	GA	Yes	NA	2		ON-MS04	2MS-76 - Stroke Time (Opn to Cls)	Tested every cold shutdown
										2MS-76 - Position Indicator (Open)	Tested once every two years
										2MS-76 - Position Indicator (Closed)	Tested once every two years
2MS-79	O FD-122A-02-01	ML	Category B	GA	Yes	NA	2		ON-MS04	2MS-79 - Stroke Time (Opn to Cls)	Tested every cold shutdown
										2MS-79 - Position Indicator (Open)	Tested once every two years
										2MS-79 - Position Indicator (Closed)	Tested once every two years
2MS-82	O FD-122A-02-04	ML	Category B	GA	Yes	NA	2			2MS-82 - Stroke Time (Opn to Cls)	Tested once quarterly

OCONEE NUCLEAR STATION

MS - MAIN STEAM

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										2MS-82 - Position Indicator (Open)	Tested once every two years
										2MS-82 - Position Indicator (Closed)	Tested once every two years
2MS-84	O FD-122A-02-04	ML	Category B	GA	Yes	NA	2			2MS-84 - Stroke Time (Opn to Cls)	Tested once quarterly
										2MS-84 - Position Indicator (Open)	Tested once every two years
										2MS-84 - Position Indicator (Closed)	Tested once every two years
2MS-92	O FD-122A-02-04	SA	Category C	RV	Yes	NA	3			2MS-92 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
2MS-93	O FD-122A-02-04 O FD-127C-02-01	AO	Category B	GL	Yes	NA	3			Stroke Time (Open to Closed)	Tested once quarterly
										Position Indicator (Closed)	Tested once quarterly
										Position Indicator (Open)	Tested once quarterly
2MS-95	O FD-122A-02-04	HO	Category B	CV	Yes	NA	3			Stroke Time (Open to Closed)	Tested once quarterly
2MS-102	O FD-122B-02-01	HO	Category B	ST	Yes	NA	2		ON-MS01	2MS-102 - Fast Acting Stroke Time (Opn to Cls)	Tested every cold shutdown

OCONEE NUCLEAR STATION

MS - MAIN STEAM

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										2MS-102 - Position Indicator (Open)	Tested once every two years
										2MS-102 - Position Indicator (Closed)	Tested once every two years
										Full Stroke (Closed)	Tested once quarterly
										Full Stroke (Open)	Tested once quarterly
2MS-103	O FD-122B-02-01	HO	Category B	ST	Yes	NA	2		ON-MS01	2MS-103 - Fast Acting Stroke Time (Opn to Cls)	Tested every cold shutdown
										2MS-103 - Position Indicator (Open)	Tested once every two years
										2MS-103 - Position Indicator (Closed)	Tested once every two years
										Full Stroke (Closed)	Tested once quarterly
										Full Stroke (Open)	Tested once quarterly
2MS-104	O FD-122B-02-01	HO	Category B	ST	Yes	NA	2		ON-MS01	2MS-104 - Fast Acting Stroke Time (Opn to Cls)	Tested every cold-shutdown
										2MS-104 - Position Indicator (Open)	Tested once every two years
										2MS-104 - Position Indicator (Closed)	Tested once every two years
										Full Stroke (Closed)	Tested once quarterly
										Full Stroke (Open)	Tested once quarterly
2MS-105	O FD-122B-02-01	HO	Category B	ST	Yes	NA	2		ON-MS01	2MS-105 - Fast Acting Stroke Time (Opn to Cls)	Tested every cold shutdown

OCONEE NUCLEAR STATION

MS - MAIN STEAM

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										2MS-105 - Position Indicator (Open)	Tested once every two years
										2MS-105 - Position Indicator (Closed)	Tested once every two years
										Full Stroke (Closed)	Tested once quarterly
										Full Stroke (Open)	Tested once quarterly
2MS-153	O FD-122A-02-01	MA	Category B	GA	Yes	NA	2		ON-MS07	2MS-153 - Full Stroke (Open)	Tested every cold shutdown
										2MS-153 - Full Stroke (Closed)	Tested every cold shutdown
2MS-155	O FD-122A-02-01	MA	Category B	GA	Yes	NA	2		ON-MS07	2MS-155 - Full Stroke (Open)	Tested every cold shutdown
										2MS-155 - Full Stroke (Closed)	Tested every cold shutdown
2MS-161	O FD-122A-02-01	MA	Category B	GA	Yes	NA	2		ON-MS07	2MS-161 - Full Stroke (Open)	Tested every cold shutdown
										2MS-161 - Full Stroke (Closed)	Tested every cold shutdown
2MS-163	O FD-122A-02-01	MA	Category B	GA	Yes	NA	2		ON-MS07	2MS-163 - Full Stroke (Open)	Tested every cold shutdown
										2MS-163 - Full Stroke (Closed)	Tested every cold shutdown

OCONEE NUCLEAR STATION

MS - MAIN STEAM

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
3MS-1	O FD-122A-03-01	SA	Category C	RV	Yes	NA	2			3MS-1 - Relief Valve Test (Cls to Opn)	Test relief valve per OM- 1 schedule
3MS-2	O FD-122A-03-01	SA	Category C	RV	Yes	NA	2			3MS-2 - Relief Valve Test (Cls to Opn)	Test relief valve per OM- 1 schedule
3MS-3	O FD-122A-03-01	SA	Category C	RV	Yes	NA	2			3MS-3 - Relief Valve Test (Cls to Opn)	Test relief valve per OM- 1 schedule
3MS-4	O FD-122A-03-01	SA	Category C	RV	Yes	NA	2			3MS-4 - Relief Valve Test (Cls to Opn)	Test relief valve per OM- 1 schedule
3MS-5	O FD-122A-03-01	SA	Category C	RV	Yes	NA	2			3MS-5 - Relief Valve Test (Cls to Opn)	Test relief valve per OM- 1 schedule
3MS-6	O FD-122A-03-01	SA	Category C	RV	Yes	NA	2			3MS-6 - Relief Valve Test (Cls to Opn)	Test relief valve per OM- 1 schedule
3MS-7	O FD-122A-03-01	SA	Category C	RV	Yes	NA	2			3MS-7 - Relief Valve Test (Cls to Opn)	Test relief valve per OM- 1 schedule
3MS-8	O FD-122A-03-01	SA	Category C	RV	Yes	NA	2			3MS-8 - Relief Valve Test (Cls to Opn)	Test relief valve per OM- 1 schedule
3MS-9	O FD-122A-03-01	SA	Category C	RV	Yes	NA	2			3MS-9 - Relief Valve Test (Cls to Opn)	Test relief valve per OM- 1 schedule
3MS-10	O FD-122A-03-01	SA	Category C	RV	Yes	NA	2			3MS-10 - Relief Valve Test (Cls to Opn)	Test relief valve per OM- 1 schedule
3MS-11	O FD-122A-03-01	SA	Category C	RV	Yes	NA	2			3MS-11 - Relief Valve	Test relief valve per OM-

OCONEE NUCLEAR STATION

MS - MAIN STEAM

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Test (Cls to Opn)	1 schedule
3MS-12	O FD-122A-03-01	SA	Category C	RV	Yes	NA	2			3MS-12 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
3MS-13	O FD-122A-03-01	SA	Category C	RV	Yes	NA	2			3MS-13 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
3MS-14	O FD-122A-03-01	SA	Category C	RV	Yes	NA	2			3MS-14 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
3MS-15	O FD-122A-03-01	SA	Category C	RV	Yes	NA	2			3MS-15 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
3MS-16	O FD-122A-03-01	SA	Category C	RV	Yes	NA	2			3MS-16 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
3MS-17	O FD-122A-03-02	ML	Category B	GA	Yes	NA	2		ON-MS02	3MS-17 - Stroke Time (Opn to CIs)	Tested every cold shutdown
										3MS-17 - Position Indicator (Open)	Tested once every two years
										3MS-17 - Position Indicator (Closed)	Tested once every two years
3MS-24	O FD-122A-03-02	ML	Category B	GA	Yes	NA	2			3MS-24 - Stroke Time (Opn to CIs)	Tested once quarterly
										3MS-24 - Position Indicator (Open)	Tested once every two years
										3MS-24 - Position	Tested once every two

OCONEE NUCLEAR STATION

MS - MAIN STEAM

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Indicator (Closed)	years
3MS-26	O FD-122A-03-02	ML	Category B	GA	Yes	NA	2		ON-MS02	3MS-26 - Stroke Time (Opn to CIs)	Tested every cold shutdown
										3MS-26 - Position Indicator (Open)	Tested once every two years
										3MS-26 - Position Indicator (Closed)	Tested once every two years
3MS-33	O FD-122A-03-02	ML	Category B	GA	Yes	NA	2			3MS-33 - Stroke Time (Opn to CIs)	Tested once quarterly
										3MS-33 - Position Indicator (Open)	Tested once every two years
										3MS-33 - Position Indicator (Closed)	Tested once every two years
3MS-35	O FD-122A-03-03	ML	Category B	GA	Yes	NA	2		ON-MS03	3MS-35 - Stroke Time (Opn to CIs)	Tested every cold shutdown
										3MS-35 - Position Indicator (Open)	Tested once every two years
										3MS-35 - Position Indicator (Closed)	Tested once every two years
3MS-36	O FD-122A-03-03	ML	Category B	GA	Yes	NA	2		ON-MS03	3MS-36 - Stroke Time (Opn to CIs)	Tested every cold shutdown
										3MS-36 - Position Indicator (Open)	Tested once every two years
										3MS-36 - Position	Tested once every two

OCONEE NUCLEAR STATION

MS - MAIN STEAM

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Indicator (Closed)	years
3MS-76	O FD-122A-03-01	ML	Category B	GA	Yes	NA	2		ON-MS04	3MS-76 - Stroke Time (Opn to CIs)	Tested every cold shutdown
										3MS-76 - Position Indicator (Open)	Tested once every two years
										3MS-76 - Position Indicator (Closed)	Tested once every two years
3MS-79	O FD-122A-03-01	ML	Category B	GA	Yes	NA	2		ON-MS04	3MS-79 - Stroke Time (Opn to CIs)	Tested every cold shutdown
										3MS-79 - Position Indicator (Open)	Tested once every two years
										3MS-79 - Position Indicator (Closed)	Tested once every two years
3MS-82	O FD-122A-03-04	ML	Category B	GA	Yes	NA	2			3MS-82 - Stroke Time (Opn to CIs)	Tested once quarterly
										3MS-82 - Position Indicator (Open)	Tested once every two years
										3MS-82 - Position Indicator (Closed)	Tested once every two years
3MS-84	O FD-122A-03-04	ML	Category B	GA	Yes	NA	2			3MS-84 - Stroke Time (Opn to CIs)	Tested once quarterly
										3MS-84 - Position Indicator (Open)	Tested once every two years
										3MS-84 - Position	Tested once every two

OCONEE NUCLEAR STATION

MS - MAIN STEAM

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Indicator (Closed)	years
3MS-92	O FD-122A-03-04	SA	Category C	RV	Yes	NA	3			3MS-92 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
3MS-93	O FD-122A-03-04	AO	Category B	GL	Yes	NA	3			Stroke Time (Open to Closed)	Tested once quarterly
										Position Indicator (Closed)	Tested once every two years
										Position Indicator (Open)	Tested once every two years
3MS-95	O FD-122A-03-04	HO	Category B	CV	Yes	NA	3			Stroke Time (Open to Closed)	Tested once quarterly
3MS-102	O FD-122B-03-01	HO	Category B	ST	Yes	NA	2		ON-MS01	3MS-102 - Fast Acting Stroke Time (Opn to Cls)	Tested every cold shutdown
										3MS-102 - Position Indicator (Open)	Tested once every two years
										3MS-102 - Position Indicator (Closed)	Tested once every two years
										Full Stroke (Closed)	Tested once quarterly
										Full Stroke (Open)	Tested once quarterly
3MS-103	O FD-122B-03-01	HO	Category B	ST	Yes	NA	2		ON-MS01	3MS-103 - Fast Acting Stroke Time (Opn to Cls)	Tested every cold shutdown
										3MS-103 - Position Indicator (Open)	Tested once every two years

OCONEE NUCLEAR STATION

MS - MAIN STEAM

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										3MS-103 - Position Indicator (Closed)	Tested once every two years
										Full Stroke (Closed)	Tested once quarterly
										Full Stroke (Open)	Tested once quarterly
3MS-104	O FD-122B-03-01	HO	Category B	ST	Yes	NA	2		ON-MS01	3MS-104 - Fast Acting Stroke Time (Opn to CIs)	Tested every cold shutdown
										3MS-104 - Position Indicator (Open)	Tested once every two years
										3MS-104 - Position Indicator (Closed)	Tested once every two years
										Full Stroke (Closed)	Tested once quarterly
										Full Stroke (Open)	Tested once quarterly
3MS-105	O FD-122B-03-01	HO	Category B	ST	Yes	NA	2		ON-MS01	3MS-105 - Fast Acting Stroke Time (Opn to CIs)	Tested every cold shutdown
										3MS-105 - Position Indicator (Open)	Tested once every two years
										3MS-105 - Position Indicator (Closed)	Tested once every two years
										Full Stroke (Closed)	Tested once quarterly
										Full Stroke (Open)	Tested once quarterly
3MS-153	O FD-122A-03-01	MA	Category B	GA	Yes	NA	2		ON-MS07	3MS-153 - Full Stroke (Open)	Tested every cold shutdown
										3MS-153 - Full Stroke	Tested every cold

OCONEE NUCLEAR STATION

MS - MAIN STEAM

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										(Closed)	shutdown
3MS-155	O FD-122A-03-01	MA	Category B	GA	Yes	NA	2		ON-MS07	3MS-155 - Full Stroke (Open)	Tested every cold shutdown
										3MS-155 - Full Stroke (Closed)	Tested every cold shutdown
3MS-161	O FD-122A-03-01	MA	Category B	GA	Yes	NA	2		ON-MS07	3MS-161 - Full Stroke (Open)	Tested every cold shutdown
										3MS-161 - Full Stroke (Closed)	Tested every cold shutdown
3MS-163	O FD-122A-03-01	MA	Category B	GA	Yes	NA	2		ON-MS07	3MS-163 - Full Stroke (Open)	Tested every cold shutdown
										3MS-163 - Full Stroke (Closed)	Tested every cold shutdown

OCONEE NUCLEAR STATION

N - NITROGEN

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1N-106	O FD-127B-01-02	MA	Category A	GL	No	NA	2			1N-106 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1N-107	O FD-127B-01-02	MA	Category A	GL	No	NA	2			1N-107 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1N-129	O FD-127B-01-02	SA	Category AC	CK	Yes	NA	2		ON-N01	1N-129 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										1N-129 - Full Stroke (Closed)	Tested every refueling outage
										Non-safety Direction Stroke (Open)	Tested every refueling outage
1N-131	O FD-127B-01-02	SA	Category AC	CK	Yes	NA	2		ON-N01	1N-131 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										1N-131 - Full Stroke (Closed)	Tested every refueling outage
										Non-safety Direction Stroke (Open)	Tested every refueling outage
1N-246	O FD-127B-01-02	SA	Category AC	CK	Yes	NA	2		ON-N02	1N-246 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										Full Stroke (Closed)	Tested every refueling outage
										Non-safety Direction Stroke (Open)	Tested every refueling outage
2N-129	O FD-127B-02-02	SA	Category AC	CK	Yes	NA	2		ON-N01	2N-129 - Leak Test - Appendix J (Accident	Tested every refueling outage

OCONEE NUCLEAR STATION

N - NITROGEN

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Direction)	
										2N-129 - Full Stroke (Closed)	Tested every refueling outage
										Non-safety Direction Stroke (Open)	Tested every refueling outage
2N-131	O FD-127B-02-02	SA	Category AC	CK	Yes	NA	2		ON-N01	2N-131 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										2N-131 - Full Stroke (Closed)	Tested every refueling outage
										Non-safety Direction Stroke (Open)	Tested every refueling outage
2N-246	O FD-127B-02-02	SA	Category AC	CK	Yes	NA	2		ON-N02	2N-246 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										Full Stroke (Closed)	Tested every refueling outage
										Non-safety Direction Stroke (Open)	Tested every refueling outage
2N-263	O FD-127B-02-02	MA	Category A	GL	No	NA	2			2N-263 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
3N-129	O FD-127B-03-02	SA	Category AC	CK	Yes	NA	2		ON-N01	3N-129 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										3N-129 - Full Stroke (Closed)	Tested every refueling outage
										Non-safety Direction	Tested every refueling

OCONEE NUCLEAR STATION

N - NITROGEN

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Stroke (Open)	outage
3N-131	O FD-127B-03-02	SA	Category AC	CK	Yes	NA	2		ON-N01	3N-131 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										3N-131 - Full Stroke (Closed)	Tested every refueling outage
										Non-safety Direction Stroke (Open)	Tested every refueling outage
3N-246	O FD-127B-03-02	SA	Category AC	CK	Yes	NA	2		ON-N02	3N-246 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										Full Stroke (Closed)	Tested every refueling outage
										Non-safety Direction Stroke (Open)	Tested every refueling outage
3N-263	O FD-127B-03-02	MA	Category A	BV	No	NA	2			3N-263 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage

OCONEE NUCLEAR STATION

PR - PURGE

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1PR-1	O FD-116A-01-01	ML	Category A	BF	No	NA	2			1PR-1 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
										1PR-1 - Position Indicator (Open)	Tested once every two years
										1PR-1 - Position Indicator (Closed)	Tested once every two years
1PR-2	O FD-116A-01-01	AO	Category A	BF	No	NA	2			1PR-2 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										1PR-2 - Position Indicator (Open)	Tested once every two years
										1PR-2 - Position Indicator (Closed)	Tested once every two years
1PR-5	O FD-116A-01-01	AO	Category A	BF	No	NA	2			1PR-5 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										1PR-5 - Position Indicator (Open)	Tested once every two years
										1PR-5 - Position Indicator (Closed)	Tested once every two years
1PR-6	O FD-116A-01-01	ML	Category A	BF	No	NA	2			1PR-6 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
										1PR-6 - Position Indicator (Open)	Tested once every two years
										1PR-6 - Position Indicator (Closed)	Tested once every two years

OCONEE NUCLEAR STATION

PR - PURGE

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1PR-7	O FD-116C-01-01	ML	Category A	DP	Yes	NA	2			1PR-7 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
										Stroke Time (Open to Closed)	Tested once quarterly
										1PR-7 - Position Indicator (Open)	Tested once every two years
										1PR-7 - Position Indicator (Closed)	Tested once every two years
1PR-8	O FD-116C-01-01	AO	Category A	DP	Yes	NA	2			1PR-8 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										Fast Acting Stroke Time (Open to Closed)	Tested once quarterly
										1PR-8 - Position Indicator (Open)	Tested once every two years
										1PR-8 - Position Indicator (Closed)	Tested once every two years
1PR-9	O FD-116C-01-01	ML	Category A	DP	Yes	NA	2			1PR-9 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
										Stroke Time (Open to Closed)	Tested once quarterly
										1PR-9 - Position Indicator (Open)	Tested once every two years
										1PR-9 - Position Indicator (Closed)	Tested once every two years
1PR-10	O FD-116C-01-01	AO	Category A	DP	Yes	NA	2			1PR-10 - Leak Test - Appendix J (Accident	Tested every refueling

OCONEE NUCLEAR STATION

PR - PURGE

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Direction)	outage
										Fast Acting Stroke Time (Open to Closed)	Tested once quarterly
										1PR-10 - Position Indicator (Open)	Tested once every two years
										1PR-10 - Position Indicator (Closed)	Tested once every two years
1PR-59	O FD-116C-01-01	MR	Category A	DP	No	NA	2			1PR-59 - Leak Test - Appendix J (Reverse Direction	Tested every refueling outage
										1PR-59 - Position Indicator (Open)	Tested once every two years
										1PR-59 - Position Indicator (Closed)	Tested once every two years
1PR-60	O FD-116C-01-01	MR	Category A	DP	No	NA	2			1PR-60 - Leak Test - Appendix J (Reverse Direction	Tested every refueling outage
										1PR-60 - Position Indicator (Open)	Tested once every two years
										1PR-60 - Position Indicator (Closed)	Tested once every two years
1PR-68	O FD-116C-01-01	MA	Category A	GL	No	NA	2			1PR-68 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1PR-81	O FD-110A-01-03	SO	Category A	GL	Yes	NA	2			1PR-81 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										1PR-81 - Fast Acting Stroke Time (Closed to	Tested once quarterly

OCONEE NUCLEAR STATION

PR - PURGE

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Open)	
										1PR-81 - Fast Acting Stroke Time (Open to Closed)	Tested once quarterly
										1PR-81 - Position Indicator (Open)	Tested once every two years
										1PR-81 - Position Indicator (Closed)	Tested once every two years
1PR-84	O FD-110A-01-03	SO	Category A	GL	Yes	NA	2			1PR-84 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										1PR-84 - Fast Acting Stroke Time (Closed to Open)	Tested once quarterly
										1PR-84 - Fast Acting Stroke Time (Open to Closed)	Tested once quarterly
										1PR-84 - Position Indicator (Open)	Tested once every two years
										1PR-84 - Position Indicator (Closed)	Tested once every two years
1PR-87	O FD-110A-01-03	SO	Category A	SV	Yes	NA	2			1PR-87 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										1PR-87 - Fast Acting Stroke Time (Closed to Open)	Tested once quarterly
										1PR-87 - Fast Acting Stroke Time (Open to	Tested once quarterly

OCONEE NUCLEAR STATION

PR - PURGE

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Closed)	
										1PR-87 - Position Indicator (Open)	Tested once every two years
										1PR-87 - Position Indicator (Closed)	Tested once every two years
1PR-90	O FD-110A-01-03	SO	Category A	SV	Yes	NA	2			1PR-90 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										1PR-90 - Fast Acting Stroke Time (Closed to Open)	Tested once quarterly
										1PR-90 - Fast Acting Stroke Time (Open to Closed)	Tested once quarterly
										1PR-90 - Position Indicator (Open)	Tested once every two years
										1PR-90 - Position Indicator (Closed)	Tested once every two years
2PR-1	O FD-116A-02-01	ML	Category A	BF	No	NA	2			2PR-1 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
										2PR-1 - Position Indicator (Open)	Tested once every two years
										2PR-1 - Position Indicator (Closed)	Tested once every two years
2PR-2	O FD-116A-02-01	AO	Category A	BF	No	NA	2			2PR-2 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage

OCONEE NUCLEAR STATION

PR - PURGE

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										2PR-2 - Position Indicator (Open)	Tested once every two years
										2PR-2 - Position Indicator (Closed)	Tested once every two years
2PR-5	O FD-116A-02-01	AO	Category A	BF	No	NA	2			2PR-5 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										2PR-5 - Position Indicator (Open)	Tested once every two years
										2PR-5 - Position Indicator (Closed)	Tested once every two years
2PR-6	O FD-116A-02-01	ML	Category A	BF	No	NA	2			2PR-6 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
										2PR-6 - Position Indicator (Open)	Tested once every two years
										2PR-6 - Position Indicator (Closed)	Tested once every two years
2PR-7	O FD-116C-02-01	ML	Category A	DP	Yes	NA	2			2PR-7 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
										Stroke Time (Open to Closed)	Tested once quarterly
										2PR-7 - Position Indicator (Open)	Tested once every two years
										2PR-7 - Position Indicator (Closed)	Tested once every two years
2PR-8	O FD-116C-02-01	AO	Category A	DP	Yes	NA	2			2PR-8 - Leak Test - Appendix J (Accident	Tested every refueling

OCONEE NUCLEAR STATION

PR - PURGE

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Direction	outage
										Fast Acting Stroke Time (Open to Closed)	Tested once quarterly
										2PR-8 - Position Indicator (Open)	Tested once every two years
										2PR-8 - Position Indicator (Closed)	Tested once every two years
2PR-9	O FD-116C-02-01	ML	Category A	DP	Yes	NA	2			2PR-9 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
										Stroke Time (Open to Closed)	Tested once quarterly
										2PR-9 - Position Indicator (Open)	Tested once every two years
										2PR-9 - Position Indicator (Closed)	Tested once every two years
2PR-10	O FD-116C-02-01	AO	Category A	DP	Yes	NA	2			2PR-10 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										Fast Acting Stroke Time (Open to Closed)	Tested once quarterly
										2PR-10 - Position Indicator (Open)	Tested once every two years
										2PR-10 - Position Indicator (Closed)	Tested once every two years
2PR-59	O FD-116C-02-01	MR	Category A	DP	No	NA	2			2PR-59 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage

OCONEE NUCLEAR STATION

PR - PURGE

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										2PR-59 - Position Indicator (Open)	Tested once every two years
										2PR-59 - Position Indicator (Closed)	Tested once every two years
2PR-60	O FD-116C-02-01	MR	Category A	DP	No	NA	2			2PR-60 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
										2PR-60 - Position Indicator (Open)	Tested once every two years
										2PR-60 - Position Indicator (Closed)	Tested once every two years
2PR-68	O FD-116C-02-01	MA	Category A	GL	No	NA	2			2PR-68 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
2PR-81	O FD-110A-02-03	SO	Category A	GL	Yes	NA	2			2PR-81 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										2PR-81 - Fast Acting Stroke Time (Closed to Open)	Tested once quarterly
										2PR-81 - Fast Acting Stroke Time (Open to Closed)	Tested once quarterly
										2PR-81 - Position Indicator (Open)	Tested once every two years
										2PR-81 - Position Indicator (Closed)	Tested once every two years
2PR-84	O FD-110A-02-03	SO	Category A	GL	Yes	NA	2			2PR-84 - Leak Test - Appendix J (Accident	Tested every refueling outage

OCONEE NUCLEAR STATION

PR - PURGE

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Direction)	
										2PR-84 - Fast Acting Stroke Time (Closed to Open)	Tested once quarterly
										2PR-84 - Fast Acting Stroke Time (Open to Closed)	Tested once quarterly
										2PR-84 - Position Indicator (Open)	Tested once every two years
										2PR-84 - Position Indicator (Closed)	Tested once every two years
2PR-87	O FD-110A-02-03	SO	Category A	SV	Yes	NA	2			2PR-87 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										2PR-87 - Fast Acting Stroke Time (Closed to Open)	Tested once quarterly
										2PR-87 - Fast Acting Stroke Time (Open to Closed)	Tested once quarterly
										2PR-87 - Position Indicator (Open)	Tested once every two years
										2PR-87 - Position Indicator (Closed)	Tested once every two years
2PR-90	O FD-110A-02-03	SO	Category A	SV	Yes	NA	2			2PR-90 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										2PR-90 - Fast Acting Stroke Time (Closed to	Tested once quarterly

OCONEE NUCLEAR STATION

PR - PURGE

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Open)	
										2PR-90 - Fast Acting Stroke Time (Open to Closed)	Tested once quarterly
										2PR-90 - Position Indicator (Open)	Tested once every two years
										2PR-90 - Position Indicator (Closed)	Tested once every two years
3PR-1	O FD-116A-03-01	ML	Category A	BF	No	NA	2			3PR-1 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
										3PR-1 - Position Indicator (Open)	Tested once every two years
										3PR-1 - Position Indicator (Closed)	Tested once every two years
3PR-2	O FD-116A-03-01	AO	Category A	BF	No	NA	2			3PR-2 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										3PR-2 - Position Indicator (Open)	Tested once every two years
										3PR-2 - Position Indicator (Closed)	Tested once every two years
3PR-5	O FD-116A-03-01	AO	Category A	BF	No	NA	2			3PR-5 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										3PR-5 - Position Indicator (Open)	Tested once every two years
										3PR-5 - Position Indicator	Tested once every two

OCONEE NUCLEAR STATION

PR - PURGE

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										(Closed)	years
3PR-6	O FD-116A-03-01	ML	Category A	BF	No	NA	2			3PR-6 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
										3PR-6 - Position Indicator (Open)	Tested once every two years
										3PR-6 - Position Indicator (Closed)	Tested once every two years
3PR-7	O FD-116C-03-01	ML	Category A	DP	Yes	NA	2			3PR-7 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
										Stroke Time (Open to Closed)	Tested once quarterly
										3PR-7 - Position Indicator (Open)	Tested once every two years
										3PR-7 - Position Indicator (Closed)	Tested once every two years
3PR-8	O FD-116C-03-01	AO	Category A	DP	Yes	NA	2			3PR-8 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										Fast Acting Stroke Time (Open to Closed)	Tested once quarterly
										3PR-8 - Position Indicator (Open)	Tested once every two years
										3PR-8 - Position Indicator (Closed)	Tested once every two years
3PR-9	O FD-116C-03-01	ML	Category A	DP	Yes	NA	2			3PR-9 - Leak Test - Appendix J (Reverse)	Tested every refueling outage

OCONEE NUCLEAR STATION

PR - PURGE

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Direction)	
										Stroke Time (Open to Closed)	Tested once quarterly
										3PR-9 - Position Indicator (Open)	Tested once every two years
										3PR-9 - Position Indicator (Closed)	Tested once every two years
3PR-10	O FD-116C-03-01	AO	Category A	DP	Yes	NA	2			3PR-10 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										Fast Acting Stroke Time (Open to Closed)	Tested once quarterly
										3PR-10 - Position Indicator (Open)	Tested once every two years
										3PR-10 - Position Indicator (Closed)	Tested once every two years
3PR-59	O FD-116C-03-01	MR	Category A	DP	No	NA	2			3PR-59 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
										3PR-59 - Position Indicator (Open)	Tested once every two years
										3PR-59 - Position Indicator (Closed)	Tested once every two years
3PR-60	O FD-116C-03-01	MR	Category A	DP	No	NA	2			3PR-60 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
										3PR-60 - Position Indicator (Open)	Tested once every two years

OCONEE NUCLEAR STATION

PR - PURGE

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										3PR-60 - Position Indicator (Closed)	Tested once every two years
3PR-68	O FD-116C-03-01	MA	Category A	GA	No	NA	2			3PR-68 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
3PR-81	O FD-110A-03-03	SO	Category A	GL	Yes	NA	2			3PR-81 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										3PR-81 - Fast Acting Stroke Time (Closed to Open)	Tested once quarterly
										3PR-81 - Fast Acting Stroke Time (Open to Closed)	Tested once quarterly
										3PR-81 - Position Indicator (Open)	Tested once every two years
										3PR-81 - Position Indicator (Closed)	Tested once every two years
3PR-84	O FD-110A-03-03	SO	Category A	SV	Yes	NA	2			3PR-84 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										3PR-84 - Fast Acting Stroke Time (Closed to Open)	Tested once quarterly
										3PR-84 - Fast Acting Stroke Time (Open to Closed)	Tested once quarterly
										3PR-84 - Position Indicator (Open)	Tested once every two years

OCONEE NUCLEAR STATION

PR - PURGE

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										3PR-84 - Position Indicator (Closed)	Tested once every two years
3PR-87	O FD-110A-03-03	SO	Category A	SV	Yes	NA	2			3PR-87 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										3PR-87 - Fast Acting Stroke Time (Closed to Open)	Tested once quarterly
										3PR-87 - Fast Acting Stroke Time (Open to Closed)	Tested once quarterly
										3PR-87 - Position Indicator (Open)	Tested once every two years
										3PR-87 - Position Indicator (Closed)	Tested once every two years
3PR-90	O FD-110A-03-03	SO	Category A	SV	Yes	NA	2			3PR-90 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										3PR-90 - Fast Acting Stroke Time (Closed to Open)	Tested once quarterly
										3PR-90 - Fast Acting Stroke Time (Open to Closed)	Tested once quarterly
										3PR-90 - Position Indicator (Open)	Tested once every two years
										3PR-90 - Position Indicator (Closed)	Tested once every two years

OCONEE NUCLEAR STATION

RC - REACTOR COOLANT

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1RC-RX-0001	O FD-100A-01-01	SA	Category C	CK	Yes	NA	1		ON-RX01	Full Stroke (Closed)	Tested every refueling outage
										Full Stroke (Open)	Tested every refueling outage
1RC-1	O FD-100A-01-02	SO	Category B	GL	No	NA	1		ON-RC02	1RC-1 - Stroke Time (Open to Closed)	Tested every cold shutdown
										1RC-1 - Stroke Time (Open to Closed)	Tested every refueling outage
										1RC-1 - Stroke Time (Closed to Open)	Tested every cold shutdown
										1RC-1 - Stroke Time (Closed to Open)	Tested every refueling outage
										1RC-1 - Position Indicator (Open)	Tested once every two years
										1RC-1 - Position Indicator (Closed)	Tested once every two years
1RC-4	O FD-100A-01-02	ML	Category B	GA	Yes	NA	1			1RC-4 - Stroke Time (Open to Closed)	Tested once quarterly
										1RC-4 - Stroke Time (Closed to Open)	Tested once quarterly
										1RC-4 - Position Indicator (Open)	Tested once every two years
										1RC-4 - Position Indicator (Closed)	Tested once every two years
1RC-5	O FD-110A-01-01	ML	Category A	GL	Yes	NA	1			1RC-5 - Stroke Time	Tested once quarterly

OCONEE NUCLEAR STATION

RC - REACTOR COOLANT

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										(Opn to Cls)	
										1RC-5 - Leak Test - Appendix J (Accident Direction	Tested every refueling outage
										1RC-5 - Position Indicator (Open)	Tested once every two years
										1RC-5 - Position Indicator (Closed)	Tested once every two years
1RC-6	O FD-110A-01-01	ML	Category A	GL	Yes	NA	1			1RC-6 - Stroke Time (Opn to Cls)	Tested once quarterly
										1RC-6 - Leak Test - Appendix J (Accident Direction	Tested every refueling outage
										1RC-6 - Position Indicator (Open)	Tested once every two years
										1RC-6 - Position Indicator (Closed)	Tested once every two years
1RC-7	O FD-110A-01-01	AO	Category A	GL	Yes	NA	2			1RC-7 - Stroke Time (Opn to Cls)	Tested once quarterly
										1RC-7 - Leak Test - Appendix J (Accident Direction	Tested every refueling outage
										1RC-7 - Position Indicator (Open)	Tested once every two years
										1RC-7 - Position Indicator (Closed)	Tested once every two years

OCONEE NUCLEAR STATION

RC - REACTOR COOLANT

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1RC-66	O FD-100A-01-02	SO	Category B	RV	Yes	NA	1		ON-RC04	1RC-66 - Relief Valve Test (Cls to Opn)	Tested every refueling outage
										1RC-66 - Stroke Time (Open to Closed)	Tested every cold shutdown
										1RC-66 - Stroke Time (Closed to Open)	Tested every cold shutdown
1RC-67	O FD-100A-01-02	SA	Category C	RV	Yes	NA	1			1RC-67 - Relief Valve Test (Cls to Opn)	Tested every refueling outage
1RC-68	O FD-100A-01-02	SA	Category C	RV	Yes	NA	1			1RC-68 - Relief Valve Test (Cls to Opn)	Tested every refueling outage
1RC-155	O FD-100A-01-01	SO	Category B	GL	Yes	NA	1		ON-RC06	1RC-155 - Fast Acting Stroke Time (Closed to Open)	Tested every cold shutdown
										1RC-155 - Fast Acting Stroke Time (Open to Closed)	Tested every cold shutdown
										1RC-155 - Position Indicator (Open)	Tested once every two years
										1RC-155 - Position Indicator (Closed)	Tested once every two years
1RC-156	O FD-100A-01-01	SO	Category B	GL	Yes	NA	2		ON-RC06	1RC-156 - Fast Acting Stroke Time (Closed to Open)	Tested every cold shutdown
										1RC-156 - Fast Acting Stroke Time (Open to Closed)	Tested every cold shutdown

OCONEE NUCLEAR STATION

RC - REACTOR COOLANT

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										1RC-156 - Position Indicator (Open)	Tested once every two years
										1RC-156 - Position Indicator (Closed)	Tested once every two years
1RC-157	O FD-100A-01-01	SO	Category B	GL	Yes	NA	1		ON-RC06	1RC-157 - Fast Acting Stroke Time (Closed to Open)	Tested every cold shutdown
										1RC-157 - Fast Acting Stroke Time (Open to Closed)	Tested every cold shutdown
										1RC-157 - Position Indicator (Open)	Tested once every two years
										1RC-157 - Position Indicator (Closed)	Tested once every two years
1RC-158	O FD-100A-01-01	SO	Category B	GL	Yes	NA	2		ON-RC06	1RC-158 - Fast Acting Stroke Time (Closed to Open)	Tested every cold shutdown
										1RC-158 - Fast Acting Stroke Time (Open to Closed)	Tested every cold shutdown
										1RC-158 - Position Indicator (Open)	Tested once every two years
										1RC-158 - Position Indicator (Closed)	Tested once every two years
1RC-159	O FD-100A-01-01	SO	Category B	GL	Yes	NA	1		ON-RC06	1RC-159 - Fast Acting Stroke Time (Closed to Open)	Tested every cold shutdown
										1RC-159 - Fast Acting Stroke Time (Open to	Tested every cold shutdown

OCONEE NUCLEAR STATION

RC - REACTOR COOLANT

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Closed)	
										1RC-159 - Position Indicator (Open)	Tested once every two years
										1RC-159 - Position Indicator (Closed)	Tested once every two years
1RC-160	O FD-100A-01-01	SO	Category B	GL	Yes	NA	2		ON-RC06	1RC-160 - Fast Acting Stroke Time (Closed to Open)	Tested every cold shutdown
										1RC-160 - Fast Acting Stroke Time (Open to Closed)	Tested every cold shutdown
										1RC-160 - Position Indicator (Open)	Tested once every two years
										1RC-160 - Position Indicator (Closed)	Tested once every two years
1RC-162	O FD-110A-01-04	SO	Category B	GL	Yes	NA	2			Stroke Time (Closed to Open)	Tested once quarterly
										Position Indicator (Open)	Tested once every two years
										Fast Acting Stroke Time (Closed to Open)	Tested once quarterly
1RC-163	O FD-110A-01-04	SO	Category B	GL	Yes	NA	2			1RC-163 - Stroke Time (Closed to Open)	Tested once quarterly
										1RC-163 - Position Indicator (Open)	Tested once every two years
										1RC-163 - Fast Acting Stroke Time (Closed to	Tested once quarterly

OCONEE NUCLEAR STATION

RC - REACTOR COOLANT

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Open)	
										1RC-163 - Full Stroke (Open)	Tested once quarterly
1RC-164	O FD-110A-01-04	SO	Category A	GL	Yes	NA	2			1RC-164 - Position Indicator (Closed)	Tested once every two years
										1RC-164 - Fast Acting Stroke Time (Opn to Cls)	Tested once quarterly
										1RC-164 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
										Stroke Time (Closed to Open)	Tested once quarterly
										Position Indicator (Open)	Tested once every two years
										Fast Acting Stroke Time (Closed to Open)	Tested once quarterly
										Stroke Time (Open to Closed)	Tested once quarterly
1RC-165	O FD-110A-01-04	SO	Category A	GL	Yes	NA	3			1RC-165 - Position Indicator (Closed)	Tested once every two years
										1RC-165 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
										Stroke Time (Open to Closed)	Tested once quarterly

OCONEE NUCLEAR STATION

RC - REACTOR COOLANT

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Fast Acting Stroke Time (Open to Closed)	Tested once quarterly
										Stroke Time (Closed to Open)	Tested once quarterly
										Position Indicator (Open)	Tested once every two years
										Fast Acting Stroke Time (Closed to Open)	Tested once quarterly
1RC-206	O FD-110A-01-01	SA	Category AC	RV	Yes	NA	2			1RC-206 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
										Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
1RC-207	O FD-110A-01-04	SA	Category C	CK	Yes	NA	2		ON-RC05	1RC-207 - Full Stroke (Open)	Tested every refueling outage.
										Full Stroke (Closed)	Tested every refueling outage
1RC-208	O FD-110A-01-04	SA	Category C	CK	Yes	NA	2		ON-RC05	1RC-208 - Full Stroke (Open)	Tested every refueling outage
										Full Stroke (Closed)	Tested every refueling outage
2RC-RX-0001	O FD-100A-02-01	SA	Category C	CK	Yes	NA	1		ON-RX01	Full Stroke (Closed)	Tested every refueling outage
										Full Stroke (Open)	Tested every refueling outage

OCONEE NUCLEAR STATION

RC - REACTOR COOLANT

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
2RC-1	O FD-100A-02-02	SO	Category B	GL	No	NA	1		ON-RC02	2RC-1 - Stroke Time (Open to Closed)	Tested every cold shutdown
										2RC-1 - Stroke Time (Open to Closed)	Tested every refueling outage
										2RC-1 - Stroke Time (Closed to Open)	Tested every refueling outage
										2RC-1 - Position Indicator (Open)	Tested once every two years
										2RC-1 - Position Indicator (Closed)	Tested once every two years
										Fast Acting Stroke Time (Closed to Open)	Tested every cold shutdown
2RC-4	O FD-100A-02-02	ML	Category B	GA	Yes	NA	1			2RC-4 - Stroke Time (Open to Closed)	Tested once quarterly
										2RC-4 - Stroke Time (Closed to Open)	Tested once quarterly
										2RC-4 - Position Indicator (Open)	Tested once every two years
										2RC-4 - Position Indicator (Closed)	Tested once every two years
2RC-5	O FD-110A-02-01	ML	Category A	GL	Yes	NA	1			2RC-5 - Stroke Time (Opn to Cls)	Tested once quarterly
										2RC-5 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage

OCONEE NUCLEAR STATION

RC - REACTOR COOLANT

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										2RC-5 - Position Indicator (Open)	Tested once every two years
										2RC-5 - Position Indicator (Closed)	Tested once every two years
2RC-6	O FD-110A-02-01	ML	Category A	GA	Yes	NA	1			2RC-6 - Stroke Time (Opn to Cls)	Tested once quarterly
										2RC-6 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										2RC-6 - Position Indicator (Open)	Tested once every two years
										2RC-6 - Position Indicator (Closed)	Tested once every two years
2RC-7	O FD-110A-02-01	AO	Category A	GL	Yes	NA	2			2RC-7 - Stroke Time (Opn to Cls)	Tested once quarterly
										2RC-7 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										2RC-7 - Position Indicator (Open)	Tested once every two years
										2RC-7 - Position Indicator (Closed)	Tested once every two years
2RC-66	O FD-100A-02-02	SO	Category B	RV	Yes	NA	1		ON-RC04	2RC-66 - Relief Valve Test (Cls to Opn)	Tested every refueling outage
										2RC-66 - Stroke Time (Open to Closed)	Tested every cold shutdown

OCONEE NUCLEAR STATION

RC - REACTOR COOLANT

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										2RC-66 - Stroke Time (Closed to Open)	Tested every cold shutdown
2RC-67	O FD-100A-02-02	SA	Category C	RV	Yes	NA	1			2RC-67 - Relief Valve Test (Cls to Opn)	Tested every refueling outage
2RC-68	O FD-100A-02-02	SA	Category C	RV	Yes	NA	1			2RC-68 - Relief Valve Test (Cls to Opn)	Tested every refueling outage
2RC-155	O FD-100A-02-01	SO	Category B	GL	Yes	NA	1		ON-RC06	2RC-155 - Fast Acting Stroke Time (Closed to Open)	Tested every cold shutdown
										2RC-155 - Fast Acting Stroke Time (Open to Closed)	Tested every cold shutdown
										2RC-155 - Position Indicator (Open)	Tested once every two years
										2RC-155 - Position Indicator (Closed)	Tested once every two years
2RC-156	O FD-100A-02-01	SO	Category B	GL	Yes	NA	2		ON-RC06	2RC-156 - Fast Acting Stroke Time (Closed to Open)	Tested every cold shutdown
										2RC-156 - Fast Acting Stroke Time (Open to Closed)	Tested every cold shutdown
										2RC-156 - Position Indicator (Open)	Tested once every two years
										2RC-156 - Position Indicator (Closed)	Tested once every two years
2RC-157	O FD-100A-02-01	SO	Category B	GL	Yes	NA	1		ON-RC06	2RC-157 - Fast Acting Stroke Time (Closed to	Tested every cold

OCONEE NUCLEAR STATION

RC - REACTOR COOLANT

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Open)	shutdown
										2RC-157 - Fast Acting Stroke Time (Open to Closed)	Tested every cold shutdown
										2RC-157 - Position Indicator (Open)	Tested once every two years
										2RC-157 - Position Indicator (Closed)	Tested once every two years
2RC-158	O FD-100A-02-01	SO	Category B	GL	Yes	NA	2		ON-RC06	2RC-158 - Fast Acting Stroke Time (Closed to Open)	Tested every cold shutdown
										2RC-158 - Fast Acting Stroke Time (Open to Closed)	Tested every cold shutdown
										2RC-158 - Position Indicator (Open)	Tested once every two years
										2RC-158 - Position Indicator (Closed)	Tested once every two years
2RC-159	O FD-100A-02-01	SO	Category B	GL	Yes	NA	1		ON-RC06	2RC-159 - Fast Acting Stroke Time (Closed to Open)	Tested every cold shutdown
										2RC-159 - Fast Acting Stroke Time (Open to Closed)	Tested every cold shutdown
										2RC-159 - Position Indicator (Open)	Tested once every two years
										2RC-159 - Position Indicator (Closed)	Tested once every two years

OCONEE NUCLEAR STATION

RC - REACTOR COOLANT

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
2RC-160	O FD-100A-02-01	SO	Category B	GL	Yes	NA	2		ON-RC06	2RC-160 - Fast Acting Stroke Time (Closed to Open)	Tested every cold shutdown
										2RC-160 - Fast Acting Stroke Time (Open to Closed)	Tested every cold shutdown
										2RC-160 - Position Indicator (Open)	Tested once every two years
										2RC-160 - Position Indicator (Closed)	Tested once every two years
2RC-162	O FD-110A-02-04	SO	Category B	GL	Yes	NA	2			Stroke Time (Closed to Open)	Tested once quarterly
										Position Indicator (Open)	Tested once every two years
										Fast Acting Stroke Time (Closed to Open)	Tested once quarterly
2RC-163	O FD-110A-02-04	SO	Category B	GL	Yes	NA	2			Stroke Time (Closed to Open)	Tested once quarterly
										Position Indicator (Open)	Tested once every two years
										Fast Acting Stroke Time (Closed to Open)	Tested once quarterly
										Full Stroke (Open)	Tested once quarterly
2RC-164	O FD-110A-02-04	SO	Category A	GL	Yes	NA	2			2RC-164 - Position Indicator (Closed)	Tested once every two years

OCONEE NUCLEAR STATION

RC - REACTOR COOLANT

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										2RC-164 - Fast Acting Stroke Time (Opn to Cls)	Tested once quarterly
										2RC-164 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
										Stroke Time (Closed to Open)	Tested once quarterly
										Position Indicator (Open)	Tested once every two years
										Fast Acting Stroke Time (Closed to Open)	Tested once quarterly
										Stroke Time (Open to Closed)	Tested once quarterly
2RC-165	O FD-110A-02-04	SO	Category A	GL	Yes	NA	3			2RC-165 - Position Indicator (Closed)	Tested once every two years
										2RC-165 - Fast Acting Stroke Time (Opn to Cls)	Tested once quarterly
										2RC-165 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
										Stroke Time (Closed to Open)	Tested once quarterly
										Position Indicator (Open)	Tested once every two years
										Fast Acting Stroke Time (Closed to Open)	Tested once quarterly

OCONEE NUCLEAR STATION

RC - REACTOR COOLANT

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Stroke Time (Open to Closed)	Tested once quarterly
2RC-206	O FD-110A-02-01	SA	Category AC	RV	Yes	NA	2			2RC-206 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
										Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
2RC-207	O FD-110A-02-04	SA	Category C	CK	Yes	NA	2		ON-RC05	2RC-207 - Full Stroke (Open)	Tested every refueling outage
										Full Stroke (Closed)	Tested every refueling outage
2RC-208	O FD-110A-02-04	SA	Category C	CK	Yes	NA	2		ON-RC05	2RC-208 - Full Stroke (Open)	Tested every refueling outage
										Full Stroke (Closed)	Tested every refueling outage
3RC-RX-0001	O FD-100A-03-01	SA	Category C	CK	Yes	NA	1		ON-RX01	Full Stroke (Closed)	Tested every refueling outage
										Full Stroke (Open)	Tested every refueling outage
3RC-1	O FD-100A-03-02	SO	Category B	GL	No	NA	1		ON-RC02	3RC-1 - Stroke Time (Open to Closed)	Tested every cold shutdown
										3RC-1 - Stroke Time (Open to Closed)	Tested every refueling outage
										3RC-1 - Stroke Time (Closed to Open)	Tested every refueling outage

OCONEE NUCLEAR STATION

RC - REACTOR COOLANT

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										3RC-1 - Fast Acting Stroke Time (Closed to Open)	Tested every cold shutdown
										3RC-1 - Position Indicator (Open)	Tested once every two years
										3RC-1 - Position Indicator (Closed)	Tested once every two years
3RC-4	O FD-100A-03-02	ML	Category B	GA	Yes	NA	1			3RC-4 - Stroke Time (Open to Closed)	Tested once quarterly
										3RC-4 - Stroke Time (Closed to Open)	Tested once quarterly
										3RC-4 - Position Indicator (Open)	Tested once every two years
										3RC-4 - Position Indicator (Closed)	Tested once every two years
3RC-5	O FD-110A-03-01	ML	Category A	GA	Yes	NA	1			3RC-5 - Stroke Time (Opn to Cls)	Tested once quarterly
										3RC-5 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										3RC-5 - Position Indicator (Open)	Tested once every two years
										3RC-5 - Position Indicator (Closed)	Tested once every two years
3RC-6	O FD-110A-03-01	ML	Category A	GA	Yes	NA	1			3RC-6 - Stroke Time (Opn to Cls)	Tested once quarterly

OCONEE NUCLEAR STATION

RC - REACTOR COOLANT

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										3RC-6 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										3RC-6 - Position Indicator (Open)	Tested once every two years
										3RC-6 - Position Indicator (Closed)	Tested once every two years
3RC-7	O FD-110A-03-01	AO	Category A	GL	Yes	NA	2			3RC-7 - Stroke Time (Opn to Cls)	Tested once quarterly
										3RC-7 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										3RC-7 - Position Indicator (Open)	Tested once every two years
										3RC-7 - Position Indicator (Closed)	Tested once every two years
3RC-66	O FD-100A-03-02	SO	Category B	RV	Yes	NA	1		ON-RC04	3RC-66 - Relief Valve Test (Cls to Opn)	Tested every refueling outage
										3RC-66 - Stroke Time (Open to Closed)	Tested every cold shutdown
										3RC-66 - Stroke Time (Closed to Open)	Tested every cold shutdown
3RC-67	O FD-100A-03-02	SA	Category C	RV	Yes	NA	1			3RC-67 - Relief Valve Test (Cls to Opn)	Tested every refueling outage
3RC-68	O FD-100A-03-02	SA	Category C	RV	Yes	NA	1			3RC-68 - Relief Valve Test (Cls to Opn)	Tested every refueling outage

OCONEE NUCLEAR STATION

RC - REACTOR COOLANT

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
3RC-155	O FD-100A-03-01	SO	Category B	GL	Yes	NA	1		ON-RC06	3RC-155 - Fast Acting Stroke Time (Closed to Open)	Tested every cold shutdown
										3RC-155 - Fast Acting Stroke Time (Open to Closed)	Tested every cold shutdown
										3RC-155 - Position Indicator (Open)	Tested once every two years
										3RC-155 - Position Indicator (Closed)	Tested once every two years
3RC-156	O FD-100A-03-01	SO	Category B	GL	Yes	NA	2		ON-RC06	3RC-156 - Fast Acting Stroke Time (Closed to Open)	Tested every cold shutdown
										3RC-156 - Fast Acting Stroke Time (Open to Closed)	Tested every cold shutdown
										3RC-156 - Position Indicator (Open)	Tested once every two years
										3RC-156 - Position Indicator (Closed)	Tested once every two years
3RC-157	O FD-100A-03-01	SO	Category B	GL	Yes	NA	1		ON-RC06	3RC-157 - Fast Acting Stroke Time (Closed to Open)	Tested every cold shutdown
										3RC-157 - Fast Acting Stroke Time (Open to Closed)	Tested every cold shutdown
										3RC-157 - Position Indicator (Open)	Tested once every two years

OCONEE NUCLEAR STATION

RC - REACTOR COOLANT

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										3RC-157 - Position Indicator (Closed)	Tested once every two years
3RC-158	O FD-100A-03-01	SO	Category B	GL	Yes	NA	2		ON-RC06	3RC-158 - Fast Acting Stroke Time (Closed to Open)	Tested every cold shutdown
										3RC-158 - Fast Acting Stroke Time (Open to Closed)	Tested every cold shutdown
										3RC-158 - Position Indicator (Open)	Tested once every two years
										3RC-158 - Position Indicator (Closed)	Tested once every two years
3RC-159	O FD-100A-03-01	SO	Category B	GL	Yes	NA	1		ON-RC06	3RC-159 - Fast Acting Stroke Time (Closed to Open)	Tested every cold shutdown
										3RC-159 - Fast Acting Stroke Time (Open to Closed)	Tested every cold shutdown
										3RC-159 - Position Indicator (Open)	Tested once every two years
										3RC-159 - Position Indicator (Closed)	Tested once every two years
3RC-160	O FD-100A-03-01	SO	Category B	GL	Yes	NA	2		ON-RC06	3RC-160 - Fast Acting Stroke Time (Closed to Open)	Tested every cold shutdown
										3RC-160 - Fast Acting Stroke Time (Open to Closed)	Tested every cold shutdown
										3RC-160 - Position	Tested once every two

OCONEE NUCLEAR STATION

RC - REACTOR COOLANT

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Indicator (Open)	years
										3RC-160 - Position Indicator (Closed)	Tested once every two years
3RC-162	O FD-110A-03-04	SO	Category B	GL	Yes	NA	2			Stroke Time (Closed to Open)	Tested once quarterly
										Position Indicator (Open)	Tested once every two years
										Fast Acting Stroke Time (Closed to Open)	Tested once quarterly
3RC-163	O FD-110A-03-04	SO	Category B	GL	Yes	NA	2			Stroke Time (Closed to Open)	Tested once quarterly
										Position Indicator (Open)	Tested once every two years
										Fast Acting Stroke Time (Closed to Open)	Tested once quarterly
3RC-164	O FD-110A-03-04	MA	Category A	GL	Yes	NA	2			3RC-164 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
										3RC-164 - Full Stroke (Open)	Tested once quarterly
										3RC-164 - Full Stroke (Closed)	Tested once quarterly
3RC-165	O FD-110A-03-04	MA	Category A	GL	Yes	NA	3			3RC-165 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
										3RC-165 - Full Stroke	Tested once quarterly

OCONEE NUCLEAR STATION

RC - REACTOR COOLANT

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										(Open)	
										3RC-165 - Full Stroke (Closed)	Tested once quarterly
3RC-206	O FD-110A-03-01	SA	Category AC	RV	Yes	NA	2			3RC-206 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
										Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
3RC-207	O FD-110A-03-04	SA	Category C	CK	Yes	NA	2		ON-RC05	3RC-207 - Full Stroke (Open)	Tested every refueling outage
										Full Stroke (Closed)	Tested every refueling outage
3RC-208	O FD-110A-03-04	SA	Category C	CK	Yes	NA	2		ON-RC05	3RC-208 - Full Stroke (Open)	Tested every refueling outage
										Full Stroke (Closed)	Tested every refueling outage

OCONEE NUCLEAR STATION

SF - SPENT FUEL

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1SF-60	O FD-104A-01-01	MA	Category A	GA	No	NA	2			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1SF-61	O FD-104A-01-01	MA	Category A	GA	No	NA	2			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1SF-72	O FD-104A-01-01	MA	Category A	BV	No	NA	2			1SF-72 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1SF-73	O FD-104A-01-01	MA	Category A	BV	No	NA	2			1SF-73 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1SF-74	O FD-104A-01-01	MA	Category A	BV	No	NA	2			1SF-74 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1SF-82	O FD-101A-01-05 O FD-104A-01-01	ML	Category A	GL	Yes	NA	2			1SF-82 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										1SF-82 - Stroke Time (Open to Closed)	Tested once quarterly
										1SF-82 - Stroke Time (Open to Closed)	Tested every refueling outage
										1SF-82 - Stroke Time (Closed to Open)	Tested once quarterly
										1SF-82 - Stroke Time (Closed to Open)	Tested every refueling outage
										1SF-82 - Position Indicator (Open)	Tested once every two years

OCONEE NUCLEAR STATION

SF - SPENT FUEL

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										1SF-82 - Position Indicator (Closed)	Tested once every two years
1SF-97	O FD-104A-01-01	MR	Category A	GA	Yes	NA	2			1SF-97 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										1SF-97 - Stroke Time (Open to Closed)	Tested once quarterly
										1SF-97 - Stroke Time (Open to Closed)	Tested every refueling outage
										1SF-97 - Stroke Time (Closed to Open)	Tested once quarterly
										1SF-97 - Stroke Time (Closed to Open)	Tested every refueling outage
										1SF-97 - Position Indicator (Open)	Tested once every two years
										1SF-97 - Position Indicator (Closed)	Tested once every two years
1SF-125	O FD-104A-01-01	SA	Category C	RV	Yes	NA	2			1SF-125 - Leak Test - Appendix J (Reverse Direction)	Tested once every two years
										Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
1SF-126	O FD-104A-01-01	SA	Category AC	RV	Yes	NA	2			1SF-126 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
										Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
1SF-127	O FD-104A-01-01	SA	Category AC	RV	Yes	NA	2			Relief Valve Test (Closed	Test relief valve per OM-1

OCONEE NUCLEAR STATION

SF - SPENT FUEL

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										to Open)	schedule
										Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
1SF-128	O FD-104A-01-01	SA	Category C	RV	Yes	NA	2			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
1SF-129	O FD-104A-01-01	SA	Category AC	RV	Yes	NA	2			1SF-129 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
										Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
2SF-61	O FD-104A-01-01	MA	Category A	GA	No	NA	2			2SF-61 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
2SF-72	O FD-104A-01-01	MA	Category A	BV	No	NA	2			2SF-72 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
2SF-73	O FD-104A-01-01	MA	Category A	BV	No	NA	2			2SF-73 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
2SF-74	O FD-104A-01-01	MA	Category A	BV	No	NA	2			2SF-74 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
2SF-81	O FD-104A-01-01	MA	Category A	GA	No	NA	2			2SF-81 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
2SF-82	O FD-101A-01-05 O FD-101A-02-05	ML	Category A	GL	Yes	NA	2			2SF-82 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage

OCONEE NUCLEAR STATION

SF - SPENT FUEL

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Activ.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										2SF-82 - Stroke Time (Open to Closed)	Tested once quarterly
										2SF-82 - Stroke Time (Open to Closed)	No specified test frequency
										2SF-82 - Stroke Time (Closed to Open)	Tested once quarterly
										2SF-82 - Stroke Time (Closed to Open)	No specified test frequency
										2SF-82 - Position Indicator (Open)	Tested once every two years
										2SF-82 - Position Indicator (Closed)	Tested once every two years
2SF-97	O FD-104A-01-01	MR	Category A	GA	Yes	NA	2			2SF-97 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										2SF-97 - Stroke Time (Open to Closed)	Tested once quarterly
										2SF-97 - Stroke Time (Open to Closed)	No specified test frequency
										2SF-97 - Stroke Time (Closed to Open)	Tested once quarterly
										2SF-97 - Stroke Time (Closed to Open)	No specified test frequency
										2SF-97 - Position Indicator (Open)	Tested once every two years
										2SF-97 - Position	Tested once every two

OCONEE NUCLEAR STATION

SF - SPENT FUEL

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Indicator (Closed)	years
2SF-125	O FD-104A-01-01	SA	Category C	RV	Yes	NA	2			2SF-125 - Leak Test - Appendix J (Reverse Direction)	Tested once every two years
										Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
2SF-126	O FD-104A-01-01	SA	Category AC	RV	Yes	NA	2			2SF-126 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
										Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
2SF-127	O FD-104A-01-01	SA	Category AC	RV	Yes	NA	2			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
										Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
2SF-128	O FD-104A-01-01	SA	Category C	RV	Yes	NA	2			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
2SF-129	O FD-104A-01-01	SA	Category AC	RV	Yes	NA	2			2SF-129 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
										Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
3SF-60	O FD-104A-03-01	MA	Category A	GA	No	NA	2			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
3SF-61	O FD-104A-03-01	MA	Category A	GA	No	NA	2			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage

OCONEE NUCLEAR STATION

SF - SPENT FUEL

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
3SF-72	O FD-104A-03-01	MA	Category A	BV	No	NA	2			3SF-72 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
3SF-73	O FD-104A-03-01	MA	Category A	BV	No	NA	2			3SF-73 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
3SF-74	O FD-104A-03-01	MA	Category A	BV	No	NA	2			3SF-74 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
3SF-82	O FD-101A-03-05	MR	Category A	GL	Yes	NA	2			3SF-82 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
										3SF-82 - Stroke Time (Open to Closed)	Tested once quarterly
										3SF-82 - Stroke Time (Open to Closed)	No specified test frequency
										3SF-82 - Stroke Time (Closed to Open)	Tested once quarterly
										3SF-82 - Stroke Time (Closed to Open)	No specified test frequency
										3SF-82 - Position Indicator (Open)	Tested once every two years
										3SF-82 - Position Indicator (Closed)	Tested once every two years
3SF-97	O FD-104A-03-01	MR	Category A	GA	Yes	NA	2			3SF-97 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage

OCONEE NUCLEAR STATION

SF - SPENT FUEL

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										3SF-97 - Stroke Time (Open to Closed)	Tested once quarterly
										3SF-97 - Stroke Time (Open to Closed)	No specified test frequency
										3SF-97 - Stroke Time (Closed to Open)	Tested once quarterly
										3SF-97 - Stroke Time (Closed to Open)	No specified test frequency
										3SF-97 - Position Indicator (Open)	Tested once every two years
										3SF-97 - Position Indicator (Closed)	Tested once every two years
3SF-125	O FD-104A-03-01	SA	Category C	RV	Yes	NA	2			3SF-125 - Leak Test - Appendix J (Reverse Direction)	Tested once every two years
										Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
3SF-126	O FD-104A-03-01	SA	Category AC	RV	Yes	NA	2			3SF-126 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
										Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
3SF-127	O FD-104A-03-01	SA	Category AC	RV	Yes	NA	2			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
										Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
3SF-128	O FD-104A-03-01	SA	Category C	RV	Yes	NA	2			Relief Valve Test (Closed	Test relief valve per OM-1

OCONEE NUCLEAR STATION

SF - SPENT FUEL

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										to Open)	schedule
3SF-129	O FD-104A-03-01	SA	Category AC	RV	Yes	NA	2			3SF-129 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
										Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule

OCONEE NUCLEAR STATION

SSW - SIPHON SEALING WATER (ECCW)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
SSW-3	O FD-129A-01-01	SA	Category C	CK	Yes	NA	3			SSW-3 - Full Stroke (Closed)	Tested once quarterly
										Non-safety Direction Stroke (Open)	Tested once quarterly
SSW-4	O FD-129A-01-01	SA	Category C	CK	Yes	NA	3			SSW-4 - Full Stroke (Closed)	Tested once quarterly
										Non-safety Direction Stroke (Open)	Tested once quarterly
SSW-7	O FD-129A-01-01	SA	Category C	CK	Yes	NA	3			SSW-7 - Full Stroke (Open)	Tested once quarterly
										Non-safety Direction Stroke (Closed)	Tested once quarterly
SSW-8	O FD-129A-01-01	SA	Category C	CK	Yes	NA	3			SSW-8 - Full Stroke (Open)	Tested once quarterly
										Non-safety Direction Stroke (Closed)	Tested once quarterly
SSW-80	O FD-129A-02-02	SA	Category C	RV	No	NA	3			SSW-80 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
SSW-81	O FD-129A-01-01	SA	Category C	RV	No	NA	3			SSW-81 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
SSW-82	O FD-129A-01-01	SA	Category C	RV	No	NA	3			SSW-82 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule

OCONEE NUCLEAR STATION

SSW - SIPHON SEALING WATER (ECCW)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
SSW-83	O FD-129A-02-02	SA	Category C	RV	No	NA	3			SSW-83 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
1SSW-153	O FD-129A-01-02	SA	Category C	RV	No	NA	3			1SSW-153 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
1SSW-154	O FD-129A-01-02	SA	Category C	RV	No	NA	3			1SSW-154 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
1SSW-155	O FD-129A-01-01	SO	Category B	SV	Yes	NA	3			1SSW-155 - Fast Acting Stroke Time (Closed to Opn)	Tested once quarterly
										1SSW-155 - Fast Acting Stroke Time (Open to Clod)	Tested once quarterly
										1SSW-155 - Position Indicator (Open)	Tested once every two years
										1SSW-155 - Position Indicator (Closed)	Tested once every two years
1SSW-156	O FD-129A-01-01	SO	Category B	SV	Yes	NA	3			1SSW-156 - Fast Acting Stroke Time (Closed to Opn)	Tested once quarterly
										1SSW-156 - Fast Acting Stroke Time (Open to Clod)	Tested once quarterly
										1SSW-156 - Position Indicator (Open)	Tested once every two years
										1SSW-156 - Position Indicator (Closed)	Tested once every two years

OCONEE NUCLEAR STATION

SSW - SIPHON SEALING WATER (ECCW)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1SSW-157	O FD-129A-01-01	SO	Category B	SV	Yes	NA	3			1SSW-157 - Fast Acting Stroke Time (Closed to Opn)	Tested once quarterly
										1SSW-157 - Fast Acting Stroke Time (Open to Closed)	Tested once quarterly
										1SSW-157 - Position Indicator (Open)	Tested once every two years
										1SSW-157 - Position Indicator (Closed)	Tested once every two years
2SSW-153	O FD-129A-02-02	SA	Category C	RV	No	NA	3			2SSW-153 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
2SSW-154	O FD-129A-02-02	SA	Category C	RV	No	NA	3			2SSW-154 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
2SSW-155	O FD-129A-01-01	SO	Category B	SV	Yes	NA	3			2SSW-155 - Fast Acting Stroke Time (Closed to Opn)	Tested once quarterly
										2SSW-155 - Fast Acting Stroke Time (Open to Closed)	Tested once quarterly
										2SSW-155 - Position Indicator (Open)	Tested once every two years
										2SSW-155 - Position Indicator (Closed)	Tested once every two years
2SSW-156	O FD-129A-01-01	SO	Category B	SV	Yes	NA	3			2SSW-156 - Fast Acting Stroke Time (Closed to Opn)	Tested once quarterly

OCONEE NUCLEAR STATION

SSW - SIPHON SEALING WATER (ECCW)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										2SSW-156 - Fast Acting Stroke Time (Open to Closed)	Tested once quarterly
										2SSW-156 - Position Indicator (Open)	Tested once every two years
										2SSW-156 - Position Indicator (Closed)	Tested once every two years
2SSW-157	O FD-129A-01-01	SO	Category B	SV	Yes	NA	3			2SSW-157 - Fast Acting Stroke Time (Closed to Opn)	Tested once quarterly
										2SSW-157 - Fast Acting Stroke Time (Open to Closed)	Tested once quarterly
										2SSW-157 - Position Indicator (Open)	Tested once every two years
										2SSW-157 - Position Indicator (Closed)	Tested once every two years
3SSW-153	O FD-129A-03-02	SA	Category C	RV	No	NA	3			3SSW-153 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
3SSW-154	O FD-129A-03-02	SA	Category C	RV	No	NA	3			3SSW-154 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
3SSW-155	O FD-129A-01-01	SO	Category B	SV	Yes	NA	3			3SSW-155 - Fast Acting Stroke Time (Closed to Opn)	Tested once quarterly
										3SSW-155 - Fast Acting Stroke Time (Open to Closed)	Tested once quarterly

OCONEE NUCLEAR STATION

SSW - SIPHON SEALING WATER (ECCW)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										3SSW-155 - Position Indicator (Open)	Tested once every two years
										3SSW-155 - Position Indicator (Closed)	Tested once every two years
3SSW-156	O FD-129A-01-01	SO	Category B	SV	Yes	NA	3			3SSW-156 - Fast Acting Stroke Time (Closed to Opn)	Tested once quarterly
										3SSW-156 - Fast Acting Stroke Time (Open to Cload)	Tested once quarterly
										3SSW-156 - Position Indicator (Open)	Tested once every two years
										3SSW-156 - Position Indicator (Closed)	Tested once every two years
3SSW-157	O FD-129A-01-01	SO	Category B	SV	Yes	NA	3			3SSW-157 - Fast Acting Stroke Time (Closed to Opn)	Tested once quarterly
										3SSW-157 - Fast Acting Stroke Time (Open to Cload)	Tested once quarterly
										3SSW-157 - Position Indicator (Open)	Tested once every two years
										3SSW-157 - Position Indicator (Closed)	Tested once every two years

OCONEE NUCLEAR STATION

TS - TURBINE SUMP PUMP SYSTEM

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1TS-2	K FD-102A-01-01	SA	Category C	CK	Yes	NA	3			1TS-2 - Full Stroke (Open)	Tested once quarterly
										1TS-2 - Full Stroke (Closed)	Tested once quarterly
1TS-4	K FD-102A-01-01	SA	Category C	CK	Yes	NA	3			K1TS-4 - Full Stroke (Open)	Tested once quarterly
										K1TS-4 - Full Stroke (Closed)	Tested once quarterly
1TS-13	K FD-102A-01-01	SA	Category C	CK	Yes	NA	3			1TS-13 - Full Stroke (Open)	Tested once quarterly
										Non-safety Direction Stroke (Closed)	Tested once quarterly
2TS-2	K FD-102A-02-01	SA	Category C	CK	Yes	NA	3			2TS-2 - Full Stroke (Open)	Tested once quarterly
										2TS-2 - Full Stroke (Closed)	Tested once quarterly
2TS-4	K FD-102A-02-01	SA	Category C	CK	Yes	NA	3			2TS-4 - Full Stroke (Open)	Tested once quarterly
										2TS-4 - Full Stroke (Closed)	Tested once quarterly
K2TS-13	K FD-102A-02-01	SA	Category C	CK	Yes	NA	3			K2TS-13 - Full Stroke (Open)	Tested once quarterly
										Non-safety Direction Stroke (Closed)	Tested once quarterly

OCONEE NUCLEAR STATION

WL - TURBINE GENE COOLING WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1WL-11	K FD-100A-01-01	AO	Category B	GL	Yes	NA	3			1WL-11 - Stroke Time (Cis to Opn)	Tested once quarterly
										1WL-11 - Position Indicator (Open)	Tested once every two years
										1WL-11 - Position Indicator (Closed)	Tested once every two years
1WL-40	K FD-100A-01-01	SA	Category C	VB	Yes	NA	3			1WL-40 - Full Stroke (Open)	Tested once quarterly
										1WL-40 - Full Stroke (Closed)	Tested once quarterly
1WL-77	K FD-100A-01-01	SA	Category C	VB	Yes	NA	3			1WL-77 - Full Stroke (Open)	Tested once quarterly
										1WL-77 - Full Stroke (Closed)	Tested once quarterly
2WL-11	K FD-100A-02-01	AO	Category B	GL	Yes	NA	3			2WL-11 - Stroke Time (Cis to Opn)	Tested once quarterly
										2WL-11 - Position Indicator (Open)	Tested once every two years
										2WL-11 - Position Indicator (Closed)	Tested once every two years
2WL-40	K FD-100A-02-01	SA	Category C	VB	Yes	NA	3			2WL-40 - Full Stroke (Open)	Tested once quarterly
										2WL-40 - Full Stroke (Closed)	Tested once quarterly

OCONEE NUCLEAR STATION

WL - TURBINE GENE COOLING WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Activ.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
2WL-77	K FD-100A-02-01	SA	Category C	VB	Yes	NA	3			2WL-77 - Full Stroke (Open)	Tested once quarterly
										2WL-77 - Full Stroke (Closed)	Tested once quarterly

DUKE ENERGY
OCONEE NUCLEAR STATION

RELIEF REQUEST

Section 5.0

5.1 PUMP GENERIC RELIEF REQUESTS

Relief Request	Applicability	Status
ON-GRP-01	N/A	Deleted 1/31/99
ON-GRP-02	N/A	Deleted 1/31/99
ON-GRP-03	N/A	Deleted 2/13/95
ON-GRP-04	N/A	Deleted 2/13/95
ON-GRP-05	N/A	Deleted 9/01/95
ON-GRP-06	N/A	Deleted 1/31/99

5.2 PUMP SPECIFIC RELIEF REQUESTS

Relief Request	Applicability	Status
ON-SRP-HPI-01	SSF RC Makeup Pumps	Deleted 07/01/12
ON-SRP-HPI-02	Unit 3 SSF RC Makeup Pumps	Deleted 07/01/12
ON-SRP-HPI-03	HPI Pumps	Submitted 07/01/12
ON-SRP-TS-01	Keowee Turbine Sump Pumps	Deleted 07/01/02

Pump Specific Relief Request

10 CFR 50.55a Request Number: ON-SRP-HPI-03

Relief Requested
In Accordance with 10 CFR 50.55a(f)(5)(iii)

—Inservice Testing Impracticality—

1. ASME Code Component(s) Affected

1HPIPU0001, 1HPIPU0002, 1HPIPU0003
2HPIPU0001, 2HPIPU0002, 2HPIPU0003
3HPIPU0001, 3HPIPU0002, 3HPIPU0003

2. Applicable Code Edition and Addenda

ASME Operational and Maintenance Code (OM) 2004 Edition, 2005 and 2006 Addenda

3. Applicable Code Requirement

Per OMb-2006 Subsection ISTB 3540 b, vibration measurements shall be taken on the upper motor bearing housing in three approximately orthogonal directions, one of which is the axial direction for vertical line shaft pumps.

4. Impracticality of Compliance

The OM Code required vibration measurements on the upper motor bearing housing for the subject pumps are impractical on the basis of inaccessibility due to location and design features of the motor. Plant design does not include permanent scaffolding or ladders which provide access to the top of the motors for the subject pumps. Also, the upper motor bearing housing is contained within a cone shaped fiberglass protective shroud which obstructs access to the bearing housing and prevents performance of the axial vibration measurement (See attached drawing OM-0314-0063 for details). In order to perform the required measurements, the component would need to be redesigned to eliminate the shroud or the shroud would have to be removed for each test. Both of these options are impractical. In addition, removal of the shroud during pump operation to provide direct access to the bearing housing would create an additional equipment concern due to the potential for foreign material intrusion and component damage. Vibration measurements taken on the fiberglass shroud would not provide useful or meaningful information.

5. Burden Caused by Compliance

To facilitate compliance with the Code testing requirement, the plant would need to be modified to provide a permanent ladder and platform for access to the bearing on each of nine motors. Also each pump/motor assembly would have to be redesigned to remove the bearing shroud during pump operation. Since this would subject the component to potential damage by foreign material intrusion, the pump/motor redesign

would have to provide protection from foreign material intrusion while still allowing access. These modifications are impractical and create unnecessary burden.

6. Proposed Alternative and Basis for Use

The HPI pumps are considered Group A, vertical line shaft pumps. Quarterly vibration readings are taken at two locations on the motor and two locations on the pump. Locations on the motor are at the inboard bearing and approximately midway on the motor housing. Locations on the pump are the pump inboard bearing and on the pump stand. At each location, vibration measurements are recorded in two approximately orthogonal directions perpendicular to the rotating shaft. These locations have been chosen for monitoring in an effort to identify specific failure modes and have proven to provide early indication of abnormal pump / motor performance. Monitoring of the pump / motor vibrations at these locations will ensure the health of the pump is sufficiently examined. It is worth noting that the OM Code imposes more stringent hydraulic acceptance criteria on these pumps than for horizontal centrifugal or positive displacement pumps. This more stringent hydraulic acceptance criteria places more emphasis on detection of degradation through hydraulic test data than through mechanical test data.

Application of the OM hydraulic testing criteria along with radial vibration monitoring in the areas described above will provide adequate data for assessing the condition of the subject pumps and for monitoring degradation. Therefore, reasonable assurance of operational readiness for these pumps will be maintained.

7. Duration of Proposed Alternative

This proposed test alternative will be imposed for the duration of the Fifth 120 month interval (which begins July 1, 2012).

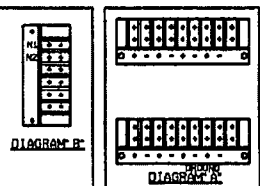
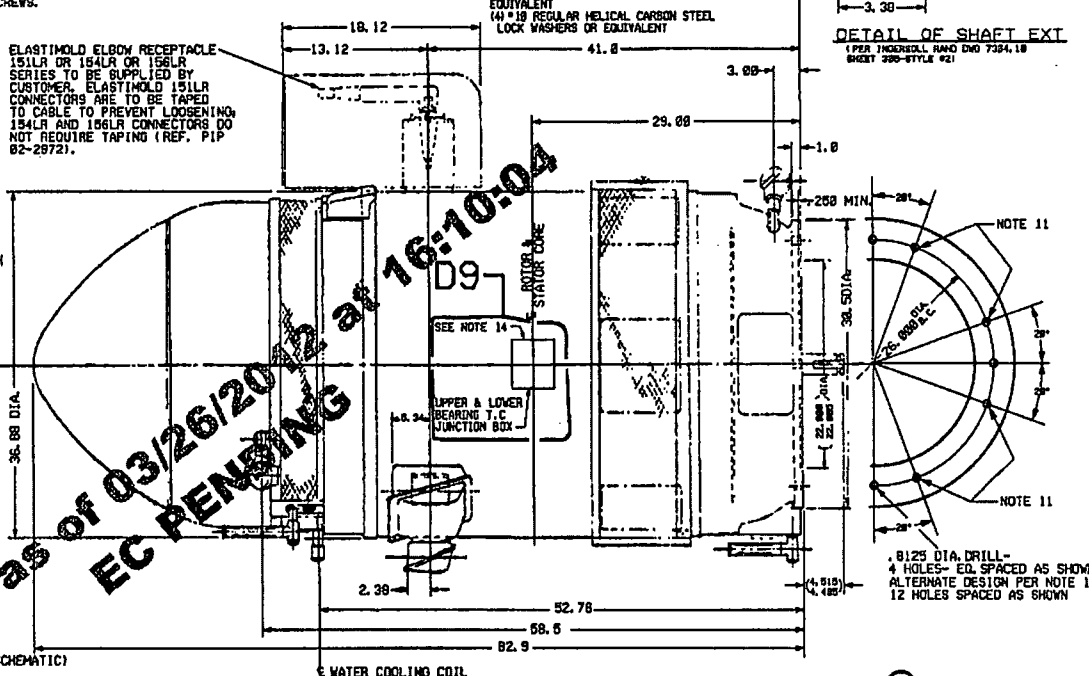
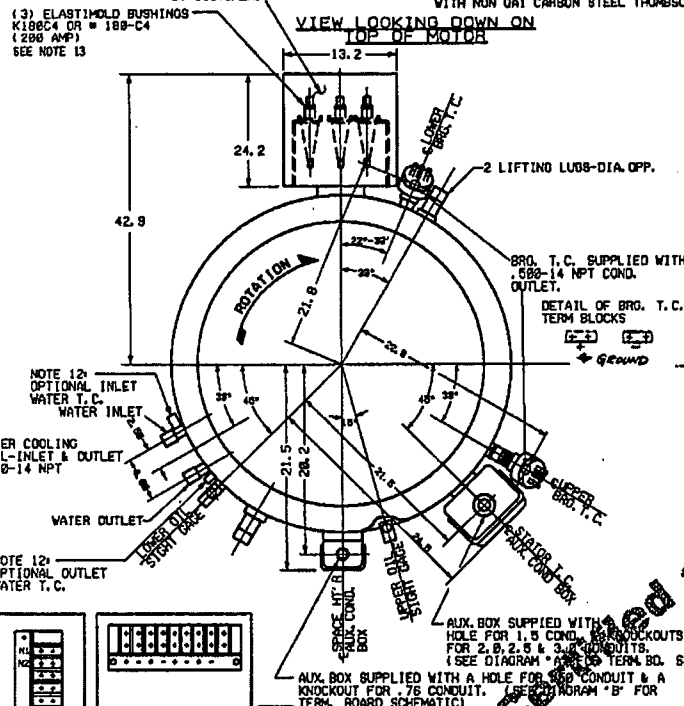
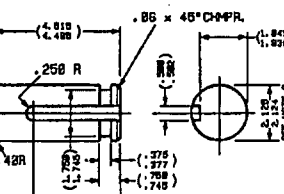
8. Precedents

Specific relief has been granted from the code vibration requirements where the upper motor bearing housing is inaccessible (Oconee Safety Evaluation dated March 28, 2011, Docket numbers 50-269, 50-270, 50-287, TAC numbers ME3840, ME3841, ME3842, ME5790, ME5791, ME5792). (Hatch Safety Evaluation dated June 13, 1994, Docket numbers 50-321 and 50-366, TAC numbers M59202, M59203, M83192, M83193).

NOTES:

1. BOTH BRO. T.C. PER MONEYWELL CAT. #0188, BASIC ORDER NO. 3021A-3. HOLE DEPTH 18.9 FOR UPPER T.C., 14.5 HOLE DEPTH FOR LOWER T.C. PLUS ADD CU. GROUND WIRE WELDED TO HOT JUNCTION.
2. UPPER BRO IS A VALKESHA 10.5 THRUST BRO. PER WESTINGHOUSE'S #288C280001
3. EXPANDED METAL SCREENS ON BRACKETS AND FRAME OPENINGS.
4. ALL COND. BOXES ASSEMBLED FOR TOP ENTRY.
5. TWO GPM OF WATER @ MAX INLET TEMP. OF 33°C AND MAX OUTLET TOP OF 47°C OR FOUR GPM OF WATER @ MAX INLET TEMP. OF 35°C REQUIRED TO COOL TOP BEARING. WATER MUST BE CLEAN AND FREE OF SEDIMENT.
6. APPROX. WT. OF MOTOR 8888 LBS.
7. SMALL AUX. COND BOX 1.9 FOR 115 VOLT, 1.91 AMPS, 280 WATT SPACE HEATER LEADS
8. ROTOR CORE INFORMATION
ROTOR LENGTH=14.88 Rotor DIA.=15.380
ROTOR WT.=APPROX. 1888 LBS.
9. HPI MOTOR SHAFT EXTENSION MAY BE MACHINED AS MUCH AS .024" BELOW THE ORIGINAL 2.124" MINIMUM DIAMETER TOLERANCE WITHOUT AFFECTING THE SHAFT STRENGTH. MOTOR HALF COUPLINGS ARE PURCHASED UN-BORED AND ARE CUSTOM FIT TO INDIVIDUAL SHAFTS. DOCUMENTATION OF INDIVIDUAL MOTOR SHAFT SIZES IS NOT REQUIRED UNLESS MACHINED LESS THAN 2.180" DIAMETER. SEE OM 314-0128 001, SUPPLEMENTAL INFORMATION TO WESTINGHOUSE INSTRUCTION BOOK I.L. 3838-3, FOR ADDITIONAL DETAILS. THIS NOTE DOCUMENTS THE FOLLOWING SHAFT MACHINE: SHAFT #011781-1 MACHINED FROM 2.125" TO 2.115" PER NSM-1725. SHAFT #08F28881-5 MACHINED FROM 2.125" TO NO LESS THAN 2.180".
10. SCREWS FOR MOTOR LEAD BOX SHALL BE REPLACED WITH NON OAI CARBON STEEL THUMBSCREWS.

11. ALTERNATE MOTOR TO MOTOR-STAND BOLTING CONFIGURATION FOR ALL HPI MOTORS, EXCEPT FOR 28-HPI WHICH WILL REQUIRE (12) BOLTS DUE TO VIBRATION, EIGHT (8) ADDITIONAL HOLES MAY BE DRILLED 28" ON EACH SIDE OF EXISTING FOUR (4) HOLES TO IMPROVE STIFFNESS AND REDUCE MOTOR VIBRATION. EVALUATION FOR ADDITIONAL BOLTING PERFORMED PER UNCE-8167.
12. OPTIONAL THERMOCOUPLES INSTALLATION FOR HPI MOTORS. THERMOCOUPLES ARE USED TO MONITOR INLET AND OUTLET COOLING WATER TEMPERATURE FOR UPPER BEARING OIL COOLER. SEE OM 314-0128 001, SUPPLEMENTAL INFORMATION TO WESTINGHOUSE INSTRUCTION BOOK I.L. 3838-3, FOR ADDITIONAL DETAILS.
13. ELASTIMOLD BUSHINGS SHALL BE INSTALLED BY WELDING OR BOLTING. FOR THE WELDED CONNECTION, REFER TO OM 314-0099 001 FOR THE APPROPRIATE WELDING GUIDELINES. FOR THE BOLTED CONNECTION, DRILL (4) $\frac{1}{2}$ " DIA. HOLES IN THE BUSHING AND THE SUPPORT BRACKET, ON A 2 1/4" BOLT CIRCLE, 90 DEGREES APART, BETWEEN THE FLANGE BALL TABS. USE THE FOLLOWING PARTS TO INSTALL EACH ELASTIMOLD BUSHING:
(A) $\frac{1}{2}$ " DIA. * 15.32 UNF-2A ALLOY STEEL ASTM A574, CAP HEX SOCKET SCREW OR EQUIVALENT
(B) * 15.32 UNF-2B CARBON STEEL NUTS OR EQUIVALENT
(C) * 15 REGULAR HELICAL CARBON STEEL LOCK WASHERS OR EQUIVALENT



- NOTES:
14. T/C JUNCTION BOX LOCATION IS APPROXIMATE AND MAY BE RELOCATED WITHIN 4'-6" FROM CURRENT LOCATION TO AVOID INTERFERENCE. DRILL AND TAP BOX MOUNTING THROUGH HOLES 1/4-28 PER EXISTING BOX. DRILL AND TAP 16-24 HOLES AS NEEDED FOR RELOCATING T/C CABLE CLAMPS. TIGHTEN PER GOOD MAINTENANCE PRACTICES. CLAMP SCREWS ARE 18-24 BY 1/2. BOX SCREWS ARE 1/4-20 BY 1.25. USE BOLTS/SCREWS AS NEEDED TO PLUG ABANDONED HOLES.

STATUS	NO.	REVISIONS	DRN	DATE	CHKD	DATE	APPR	DATE	CIVIL	ELEC.	MECH.
	D9	01-06-82									
	D8	01-17-81									
	A	07	01-17-81								
	D6	REV. PER 06-12-79									
	D5	REV. PER 06-12-79									
	D4	REV PER EDITORIAL EXDPT. 03									
	D3	01-01-87									
	D2	01-01-89									
	D1	NSM 01-17-80									

QA CONDITION 1
OM 314.-0063 001

WESTINGHOUSE ELECTRIC CORPORATION
MOTOR LAC FRAME 688-5P30 YSS DP CSP
OUTLINE SPEC BASE POWER CO.1

2748D55

ERN:OX0015VD

5.3 VALVE GENERIC RELIEF REQUESTS

Relief Request	Applicability	Status
ON-GRV-01	N/A	Deleted 02/13/95
ON-GRV-02	N/A	Deleted 02/13/95
ON-GRV-03	N/A	Deleted 07/01/12
ON-GRV-04	N/A	Deleted 02/13/95
ON-GRV-05	N/A	Deleted 02/13/95
ON-GRV-06	N/A	Deleted 02/13/95
ON-GRV-07	N/A	Deleted 02/13/95
ON-GRV-08	N/A	Deleted 07/01/02
ON-GRV-09	N/A	Deleted 02/13/95
ON-GRV-10	N/A	Deleted 07/01/02
ON-GRV-11	N/A	Deleted 02/13/95
ON-GRV-12	N/A	Deleted 07/01/12
ON-GRV-13	N/A	Deleted 07/01/02
ON-GRV-14	N/A	Deleted 07/01/02
ON-GRV-15	N/A	Deleted 07/01/12
ON-GRV-16	N/A	Deleted 07/01/12

5.4 VALVE SPECIFIC RELIEF REQUESTS

Relief Request	Applicability	Status
ON-SRV-CF-01	N/A	Deleted 07/01/12
ON-SRV-CF-02	N/A	Deleted 07/01/12

DUKE ENERGY
OCONEE NUCLEAR STATION

JUSTIFICATION FOR DEFERRAL

Section 6.0

6.1 VALVE JUSTIFICATION FOR DEFERRALS

Justification for Deferral	Applicability	Status
ON-AS-01	Deleted 07/01/02	Submitted 07/01/02
ON-AS-02	Deleted 09/01/95	Deleted 09/01/95
ON-BS-01	Deleted 07/01/12	Submitted 07/01/12
ON-BS-02	Deleted 07/01/12	Submitted 07/01/12
ON-C-01	MDEFWPs Suction from UST Block	Revised 07/01/12
ON-C-02	Deleted 07/01/12	Submitted 07/01/12
ON-C-03	MDEFWPs Suction from Hotwell Check	Revised 07/01/12
ON-C-04	Deleted 07/01/02	Submitted 07/01/02
ON-CC-01	CC Supply/Return Containment Isol.	Revised 07/01/12
ON-CC-02	CC Supply Containment Isol. Check	Revised 07/01/12
ON-CF-01	Deleted 07/01/12	Submitted 07/01/12
ON-CF-02	Deleted 07/01/12	Submitted 07/01/12
ON-CF-03	CFT A and B Inlet Checks	Revised 07/01/12
ON-CS-01	Quench Tank Recirc. Containment Isolation Check	Revised 07/01/12
ON-CS-02	Thermal Reverse Flow Check Valves	Revised 07/01/12
ON-ESV-01	Deleted 07/01/02	Submitted 07/01/02
ON-FDW-01	OTSG Startup Block and Control	Revised 07/01/12
ON-FDW-02	Deleted 07/01/12	Submitted 07/01/12
ON-FDW-03	OTSG Emergency Header Checks A or B OTSG Main Flow Control	Revised 07/01/12
ON-FDW-04	Deleted 07/01/12	Submitted 07/01/12
ON-FDW-05	Deleted 07/01/02	Submitted 07/01/02
ON-FDW-06	Deleted 07/01/12	Submitted 07/01/12
ON-FDW-07	Deleted 07/01/12	Submitted 07/01/12
ON-FDW-08	Deleted 07/01/12	Submitted 07/01/12
ON-FDW-09	Deleted 07/01/12	Submitted 07/01/12
ON-FDW-010	Deleted 07/01/12	Submitted 07/01/12
ON-FDW-011	Deleted 07/01/12	Submitted 07/01/12
ON-FO-01	Deleted 07/01/12	Submitted 07/01/12
ON-HP-01	Letdown Containment Isolation	Revised 07/01/12
ON-HP-02	RCP Seal Return Containment Isol.	Revised 07/01/12
ON-HP-03	HPI Loop A Emergency Injection Control	Revised 07/01/12

6.1 VALVE JUSTIFICATION FOR DEFERRALS

Justification for Deferral	Applicability	Status
ON-HP-04	HPI A or B Crossover Valves	Revised 07/01/12
ON-HP-05	Deleted 07/01/12	Submitted 07/01/12
ON-HP-06	HPI Pump Min. Recirculation Block	Revised 07/01/12
ON-HP-07	Letdown Containment Isolation	Revised 07/01/12
ON-HP-08	Deleted 07/01/12	Submitted 07/01/12
ON-HP-09	Deleted 07/01/02	Submitted 07/01/02
ON-HP-10	Deleted 07/01/12	Submitted 07/01/12
ON-HP-11	Deleted 07/01/12	Submitted 07/01/12
ON-HP-12	Deleted 07/01/12	Submitted 07/01/12
ON-HP-13	Deleted 07/01/12	Submitted 07/01/12
ON-HP-14	Deleted 07/01/12	Submitted 07/01/12
ON-HP-15	Deleted 07/01/12	Submitted 07/01/12
ON-HP-16	Deleted 07/01/12	Submitted 07/01/12
ON-HP-17	RCP Seal Supply Containment Isol. Checks	Revised 07/01/12
ON-HP-18	Cancelled	Cancelled 07/01/02
ON-HP-19	Deleted 07/01/12	Submitted 07/01/12
ON-HP-20	Deleted 07/01/12	Submitted 07/01/12
ON-HP-21	Deleted 07/01/12	Submitted 07/01/12
ON-HP-22	Deleted 07/01/12	Submitted 07/01/12
ON-HP-23	LDST Drain Return Isol. Valves	Submitted 07/01/12
ON-HP-24	LDST Drain Return Isol. Check Valves	Submitted 07/01/12
ON-HPSW-01	HPSW Supply to LPSW Leakage Accum. Check. Valves	Submitted 07/01/12
ON-LP-01	Decay Heat Drop Line Isolation	Revised 07/01/12
ON-LP-02	Deleted 07/01/12	Submitted 07/01/12
ON-LP-03	Post-LOCA Boron Dilution Valves	Revised 07/01/12
ON-LP-04	Deleted 07/01/12	Submitted 07/01/12
ON-LP-05	Deleted 07/01/02	Submitted 07/01/02
ON-LP-06	Deleted 07/01/12	Submitted 07/01/12
ON-LP-07	A or B LPI Header Isolation	Revised 07/01/12
ON-LP-08	LPI Post Boron Dilution Valves	Revised 07/01/12
ON-LP-09	Deleted 07/01/12	Submitted 07/01/12

6.1 VALVE JUSTIFICATION FOR DEFERRALS

Justification for Deferral	Applicability	Status
ON-LP-10	Reactor Building Sump Section Isolation Valve	Revised 07/01/12
ON-LP-12	Thermal Overpressure Valves	Submitted 07/01/12
ON-LP-13	Post LOCA Boron Dilution Isol. Valves	Submitted 07/01/12
ON-LPSW-01	RCP Cooler Supply and Discharge Block	Revised 07/01/12
ON-LPSW-02	U3 MTOT Cooler Supply Block	Revised 07/01/12
ON-LPSW-03	Deleted 07/01/12	Submitted 07/01/12
ON-LPSW-04	Deleted 3/26/96	Deleted 3/26/96
ON-LPSW-05	RBCU Cooling Coil Outlet Valves	Revised 07/01/12
ON-LPSW-06	LPSW Return Hdr Disch Isol. Valves	Submitted 07/01/12
ON-LPSW-07	RBCU Cooling Coil Outlet Isol. Valves	Submitted 07/01/12
ON-LWD-01	Deleted 07/01/12	Submitted 07/01/12
ON-MS-01	Turbine Stop	Revised 07/01/12
ON-MS-02	Main Steam Turbine Bypass	Revised 07/01/12
ON-MS-03	MS Supply to FDWPTs Block	Revised 07/01/12
ON-MS-04	MS Supply to SSRH Block	Revised 07/01/12
ON-MS-05	Deleted 09/01/95	Deleted 09/01/95
ON-MS-06	Deleted 07/01/02	Submitted 07/01/02
ON-MS-07	Main Atmospheric Dump Block/Equalization Valves	Revised 07/01/12
ON-N-01	CFT A and B Inlet Containment Isol. Checks	Revised 07/01/12
ON-N-02	Low Pressure Nitrogen Header Supply Check Valves	Revised 07/01/12
ON-PR-01	Deleted 01/31/99	Deleted 01/31/99
ON-PR-02	Deleted 07/01/12	Submitted 07/01/12
ON-RC-01	Deleted 3/26/96	Deleted 3/26/96
ON-RC-02	Pressurizer Spray Control	Revised 07/01/12
ON-RC-03	Deleted 01/31/99	Deleted 01/31/99
ON-RC-04	Pressurizer Power Operated Relief Valves	Revised 07/01/02
ON-RC-05	Reverse Flow Check Valves	Revised 07/01/12
ON-RC-06	Hot Leg A/B and Reactor Vessel Vent Isol. Valves	Submitted 07/01/12
ON-RX-01	RX Vessel Inlet Vent Valves	Revised 07/01/12
ON-SSF-01	SSF ASW Supply to A OTSG	Revised 07/01/12
ON-SSF-02	SSF RC Makeup Supply to RCP Seals	Revised 07/01/12

6.1 VALVE JUSTIFICATION FOR DEFERRALS

Justification for Deferral	Applicability	Status
ON-SSF-03	SSF RC Makeup to RCP Seals Block	Revised 07/01/12
ON-SSF-04	Letdown to Spent Fuel Vent	Revised 07/01/12
ON-SSF-05	Deleted 07/01/02	Deleted 07/01/02

Justification for Deferral

Item Number: ON-C-01

Valve: Motor Driven Emergency Feedwater (MDEFW) Pump Suction from Upper Surge Tank Isolation Valve
1C0573, 2C0573, 3C0573

Code Category: B

Function: These valves are required to be locked open to provide suction to both of the MDEFW pumps from the Upper Surge Tank (UST). When transferring MDEFW pump suction from the upper surge tanks to the hotwell, this valve is unlocked and shall be closed to provide a system boundary.

Test Requirement: Verify proper valve movement to the closed position every three months as required per OMB-2006 Subsection ISTC-3510.

Basis for Deferral: These valves cannot be full stroke exercised at power conditions. Stroking these valves at power operation would require removing both trains of the MDEFW system from service, which is not allowed by Technical Specifications.

Test Alternative & Frequency: An alternative test frequency based on the requirements within OMB-2006 Subsection ISTC-3521 is followed. The valves are tested closed during cold shutdown.

Justification for Deferral

Item Number:	ON-C-03
Valve:	Motor Driven Emergency Feedwater (MDEFW) Pump Suction from Hotwell Check Valve 1C0850, 2C0850, 3C0850, 1C0852, 2C0852, 3C0852
Code Category:	C
Function:	The valves shall open to allow water to flow from the condenser hotwell to the MDEFW pumps. The valves shall be closed as a system boundary when the MDEFW pumps take suction from the Upper Surge Tank.
Test Requirement:	Verify proper valve movement to the open and closed position every three months as required per Omb-2006, Subsection ISTC 5221. Open and close tests are not required to be performed at the same time if performed within the same interval.
Basis for Deferral:	Testing cannot be performed during normal unit operation since condenser vacuum must be broken to stroke these valves.
Test Alternative & Frequency:	Per Omb-2006, Subsection ISTC 3522, open and close tests need only be performed at an interval when it is practical to perform both tests. Per Omb-2006, Subsection ISTC 3522, the valves are fully stroked to the open and closed positions to verify the safety functions during cold shutdown conditions when condenser vacuum is broken or at refueling conditions.

Justification for Deferral

Item Number: ON-CC-01

Valve: Component Cooling Return Penetration Block Valves
1CC0007, 2CC0007, 3CC0007, 1CC0008, 2CC0008, 3CC0008

Code Category: A

Function: These valves shall be capable of closing to perform their Containment Isolation function.

Test Requirement: Verify proper valve movement to the closed position every three months as required per OMB-2006 Subsection ISTC-3510.

Basis for Deferral: Exercising these valves during power operation would isolate cooling water to the control rod drive mechanism and to the reactor coolant pumps which could potentially result in damage to thermal barriers and pump seals. In addition, closing these valves would cause over heating of the letdown fluid, which could lead to an automatic isolation of letdown flow, resulting in a loss of pressurizer level control and/or damage to the purification demineralizers.

Test Alternative & Frequency: An alternative test frequency based on the requirements within OMB-2006 Subsection ISTC-3521 is followed.

Per OMB-2006 Subsection ISTC-3521, the valves are tested to the closed position during cold shutdown conditions, when the component cooling system is isolated.

Justification for Deferral

Item Number:	ON-CC-02
Valve:	Component Cooling Penetration Check Valve 1CC0020, 2CC0020, 3CC0020, 1CC0024, 2CC0024, 3CC0024 1CC0076, 2CC0076, 3CC0076, 1CC0077, 2CC0077, 3CC0077
Code Category:	A/C
Function:	These valves shall be capable of closing to perform their Containment Isolation function.
Test Requirement:	Verify proper valve movement to the open and closed position every three months as required per OMB-2006 Subsection ISTC 3510. Open and close tests are not required to be performed at the same time if performed within the same interval.
Basis for Deferral:	Testing these valves to the closed position during power operation would isolate cooling water to the control rod drive mechanism, letdown coolers, and reactor coolant pumps which could potentially result in damage to thermal barriers and pump seals. Testing at each cold shutdown would require personnel to drain portions of the component cooling system and install test equipment. This would unnecessarily expose personnel to hazardous chemicals as well as generate excessive radioactive waste since the component cooling water contains chromates.
Test Alternative & Frequency:	<p>An alternative test frequency based on the guidelines within NUREG-1482 and the requirements within OMB-2006 Subsection ISTC 3522 is followed for the closure test. The valves are tested in the closed position each refueling outage during the local leak rate test for each penetration. This alternative is consistent with Section 4.1.4 of NUREG-1482 which states, "If no other practical means is available, it is acceptable to verify that check valves are capable of closing by performing leak rate testing at each reactor refueling outage...The NRC has determined that the need to set up [leak rate] test equipment is adequate justification to defer backflow testing of a check valve until a refueling outage."</p> <p>Per OMB-2006 Subsection ISTC 3522, open and close tests need only be performed at an interval when it is practical to perform both tests. Therefore, the test to the open position will be performed each refueling outage.</p>

Justification for Deferral

Item Number: ON-CF-03

Valve: Core Flood Tank Nitrogen/Makeup Header Check Valve
1CF0042, 2CF0042, 3CF0042, 1CF0044, 2CF0044, 3CF0044

Code Category: A/C

Function: These valves shall be capable of closing to perform their containment isolation function.

Test Requirement: Verify proper valve movement to the open and closed position every three months as required per OMB-2006 Subsection ISTC 3510. Open and close tests are not required to be performed at the same time if performed within the same interval.

Basis for Deferral: Testing these valves to the closed position can only be accomplished by local leak rate testing. The only available pressurization path is inside the reactor building. Making a reactor building entry at power exposes personnel to excessive risk to their safety as well as potentially excessive radiation exposure. Testing at each cold shutdown would require personnel to drain portions of the system and install test equipment.

Test Alternative & Frequency: An alternative test frequency based on the guidelines within NUREG-1482 and the requirements within OMB-2006 Subsection ISTC 3522 is followed for the closure test. The valves are tested in the closed position each refueling outage during the local leak rate test for each penetration. This alternative is consistent with Section 4.1.4 of NUREG-1482 which states, "If no other practical means is available, it is acceptable to verify that check valves are capable of closing by performing leak rate testing at each reactor refueling outage...The NRC has determined that the need to set up [leak rate] test equipment is adequate justification to defer backflow testing of a check valve until a refueling outage."

Per OMB-2006 Subsection ISTC 3522, open and close tests need only be performed at an interval when it is practical to perform both tests. Therefore, the test to the open position will be performed each refueling outage.

Justification for Deferral

Item Number:	ON-CS-01
Valve:	Quench Tank Recirculation Check Valve 1CS0011, 2CS0011, 3CS0011, 1CS0012, 2CS0012, 3CS0012
Code Category:	A/C
Function:	These valves shall be capable of closing to perform their containment isolation function.
Test Requirement:	Verify proper valve movement to the open and closed position every three months as required per OMB-2006 Subsection ISTC 3510. Open and close tests are not required to be performed at the same time if performed within the same interval.
Basis for Deferral:	Testing these valves to the closed position can only be accomplished by local leak rate testing since there is no means to simulate reverse flow in the line.
Test Alternative & Frequency:	<p>An alternative test frequency based on the guidelines within NUREG-1482 and the requirements within OMB-2006 Subsection ISTC 3522 is followed for the closure test. The valves are tested in the closed position each refueling outage during the local leak rate test for each penetration. This alternative is consistent with Section 4.1.4 of NUREG-1482 which states, "If no other practical means is available, it is acceptable to verify that check valves are capable of closing by performing leak rate testing at each reactor refueling outage...The NRC has determined that the need to set up [leak rate] test equipment is adequate justification to defer backflow testing of a check valve until a refueling outage."</p> <p>Per OMB-2006 Subsection ISTC 3522, open and close tests need only be performed at an interval when it is practical to perform both tests. Therefore, the test to the open position will be performed each refueling outage.</p>

Justification for Deferral

Item Number:	ON-CS-02
Valve:	Pen 29 Thermal Overpressurization Reverse Flow Check Valve 1CS0197, 2CS0197, 3CS0197
Code Category:	A/C
Function:	This valve shall be capable of opening and relieving to prevent thermal overpressurization of Penetration #29 during a LOCA event. This valve shall be capable of closing to provide containment isolation for Penetration #29.
Test Requirement:	Verify proper valve movement to the open and closed position every three months as required per OMB-2006 Subsection ISTC 3510. Open and close tests are not required to be performed at the same time if performed within the same interval.
Basis for Deferral:	Testing these valves to the closed position can only be accomplished by local leak rate testing since there is no means to simulate reverse flow in the line.
Test Alternative & Frequency:	<p>An alternative test frequency based on the guidelines within NUREG-1482 and the requirements within OMB-2006 Subsection ISTC 3522 is followed for the closure test. The valves are tested in the closed position each refueling outage during the local leak rate test for each penetration. This alternative is consistent with Section 4.1.4 of NUREG-1482 which states, "If no other practical means is available, it is acceptable to verify that check valves are capable of closing by performing leak rate testing at each reactor refueling outage...The NRC has determined that the need to set up [leak rate] test equipment is adequate justification to defer backflow testing of a check valve until a refueling outage."</p> <p>Per OMB-2006 Subsection ISTC 3522, open and close tests need only be performed at an interval when it is practical to perform both tests. Therefore, the test to the open position will be performed each refueling outage.</p>

Justification for Deferral

Item Number:	ON-FDW-01
Valve:	OTSG Startup Control Valves 1FDW0035, 2FDW0035, 3FDW0035 1FDW0044, 2FDW0044, 3FDW0044
Code Category:	B
Function:	These normally open valves close to provide feedwater isolation after a Main Steam Line Break in which overcooling is a concern.
Test Requirement:	Verify proper valve movement to the closed position every three months as required per OMB-2006 Subsection ISTC-3510.
Basis for Deferral:	These valves are normally open to allow feedwater flow to continue through the startup line. Testing these valves would result in a feedwater transient, which could cause a reactor trip.
Test Alternative & Frequency:	An alternative test frequency based on the requirements within OMB-2006 Subsection ISTC-3521 is followed. Per OMB-2006 Subsection ISTC-3521, the valves are tested to the closed position during cold shutdown conditions.

Justification for Deferral

Item Number:	ON-FDW-03
Valve:	Steam Generator Main Feedwater Control Valve 1FDW0032, 2FDW0032, 3FDW0032 1FDW0041, 2FDW0041, 3FDW0041
Code Category:	B
Function:	These normally open valves must close to provide feedwater isolation after a Main Steam Line Break where overcooling is a concern.
Test Requirement:	Verify proper valve movement to the closed position every three months as required per OMB-2006 Subsection ISTC-3510.
Basis for Deferral:	Testing these valves at power would disrupt the normal feedwater flow and steam generator level causing a plant transient and possible reactor trip.
Test Alternative & Frequency:	An alternative test frequency based on the requirements within OMB-2006 Subsection ISTC-3521 is followed. Per OMB-2006 Subsection ISTC-3521, the valves are tested to the closed position during cold shutdown conditions.

Justification for Deferral

Item Number:	ON-HP-01
Valve:	Letdown Line Outside Containment Isolation Valve 1HP0005, 2HP0005, 3HP0005
Code Category:	A
Function:	These valves are open during normal unit power operation to allow letdown flow from the Reactor Coolant System. The valves shall close for containment isolation.
Test Requirement:	Verify proper valve movement to the closed position every three months as required per OMB-2006 Subsection ISTC-3510.
Basis for Deferral:	Testing these valves at power operation will isolate letdown flow from the Reactor Coolant System. The resulting transient due to loss of volume and chemistry control could cause a reactor trip.
Test Alternative & Frequency:	An alternative test frequency based on the requirements within OMB-2006 Subsection ISTC-3521 is followed. Per OMB-2006 Subsection ISTC-3521, the valves will be tested to the closed position during cold shutdown.

Justification for Deferral

Item Number:	ON-HP-02
Valve:	Reactor Coolant Pump Seal Return Line Containment Isolation Valve 1HP0020, 2HP0020, 3HP0020, 1HP0021, 2HP0021, 3HP0021
Code Category:	A
Function:	These valves are open during normal unit power operation to align a flow path to return water that passes through the Reactor Coolant Pumps seals to the Letdown Storage Tank. The valves shall close for containment isolation.
Test Requirement:	Verify proper valve movement to the closed position every three months as required per OMB-2006 Subsection ISTC-3510.
Basis for Deferral:	These valves are containment isolation valves in a non-redundant flow path. Testing these valves to the closed position will result in an isolation of the RCP seal water return system. Such transients on the RCP seals should not be performed in order to maintain the long term health of the RCP seals.
Test Alternative & Frequency:	An alternative test frequency based on the requirements within OMB-2006 Subsection ISTC-3521 is followed. Per OMB-2006 Subsection ISTC-3521, the valves will be tested to the closed position during cold shutdown.

Justification for Deferral

Item Number:	ON-HP-03
Valve:	HPI Train A Discharge Header Isolation Valve 1HP0026, 2HP0026, 3HP0026
Code Category:	B
Function:	The valves shall open to align the HPI Pump discharge header to the reactor vessel. The valve shall be capable of being throttled from the control room to limit HPI flow. This may be required to prevent runout of the HPI Pumps, assure adequate NPSHa during piggyback operation, or maintain the RCS pressure/temperature within subcooling limits to prevent Pressurized Thermal Shock of the RCS.
Test Requirement:	Verify proper valve movement to the open and closed position every three months as required per OMB-2006 Subsection ISTC-3510.
Basis for Deferral:	Valve alignments necessary to perform this testing would remove the warming flow from the reactor coolant system normal makeup flow nozzles. This would increase the number of thermal stress cycles on the makeup nozzles, which are restrictive over plant life.
Test Alternative & Frequency	<p>An alternative test frequency based on the requirements within OMB-2006 Subsection ISTC-3521 is followed.</p> <p>Per OMB-2006 Subsection ISTC-3521, the valves will be tested to the open and closed position during cold shutdown.</p>

Justification for Deferral

Item Number:	ON-HP-04
Valve:	HPI Pumps Discharge Line Crossover Header Valve 1HP0409, 2HP0409, 3HP0409, 1HP0410, 2HP0410, 3HP0410
Code Category:	B
Function:	The valves shall open for HPI flow to be cross-connected in the event of a single failure during an accident. The valves shall be capable of being throttled from the control room to limit HPI flow. This may be required to prevent runout of the HPI Pumps, assure adequate NPSHa during piggyback operation, or maintain the RCS pressure/temperature within subcooling limits to prevent Pressurized Thermal Shock of the RCS.
Test Requirement:	Verify proper valve movement to the open and closed position every three months as required per OMB-2006 Subsection ISTC-3510.
Basis for Deferral:	The testing of HP0409 would result in a thermal transient on the B Loop. Likewise, if leakage occurred through HP0409 during testing of HP0410, a similar thermal transient would occur. This would increase the number of thermal stress cycles on the B Loop injection nozzles which are restricted over plant life.
Test Alternative & Frequency:	An alternative test frequency based on the requirements within OMB-2006 Subsection ISTC-3521 is followed. Per OMB-2006 Subsection ISTC-3521, the valves will be tested to the open and closed position during cold shutdown.

Justification for Deferral

Item Number:	ON-HP-06
Valve:	HPI Pump Recirculation Block Valve 1HP0247, 2HP0247 1HP0249, 2HP0249 1HP0251, 2HP0251
Code Category:	A
Function:	The valves shall close to isolate HPI pump minimum flow recirculation lines during LPI to HPI "piggyback" operation to prevent excessive flow to the LDST during an accident.
Test Requirement:	Verify proper valve movement to the closed position every three months as required per OMB-2006 Subsection ISTC-3510.
Basis for Deferral:	Testing these valves during power operation would remove minimum flow protection from the HPI pumps. Pump damage could occur if an idle pump started without adequate discharge flow or on loss of discharge flow to a running pump.
Test Alternative & Frequency:	An alternative test frequency based on the requirements within OMB-2006 Subsection ISTC-3521 is followed. Per OMB-2006 Subsection ISTC-3521, the valves are tested to the closed position during cold shutdown.

Justification for Deferral

Item Number:	ON-HP-07
Valve:	Letdown Cooler Outlet and Inside Containment Isolation Valve 1HP0003, 2HP0003, 3HP0003, 1HP0004, 2HP0004, 3HP0004
Code Category:	A
Function:	Valves shall close to isolate the letdown cooler for containment isolation.
Test Requirement:	Verify proper valve movement to the closed position every three months as required per OMB-2006 Subsection ISTC-3510.
Basis for Deferral:	Testing these valves during power operation induces undesirable transients within the letdown coolers which could compromise integrity of the reactor coolant system pressure boundary.
Test Alternative & Frequency:	An alternative test frequency based on the requirements within OMB-2006 Subsection ISTC-3521 is followed. Per OMB-2006 Subsection ISTC-3521, the valves will be tested to the closed position during cold shutdown.

Justification for Deferral

Item Number:	ON-HP-17
Valve:	<p>Reactor Coolant Pump Seal Injection Line Inside Containment Isolation Check Valve 1HP0144, 2HP0144, 3HP0144, 1HP0145, 2HP0145, 3HP0145 1HP0146, 2HP0146, 3HP0146, 1HP0147, 2HP0147, 3HP0147</p> <p>Reactor Coolant Pump Seal Injection Line Outside Containment Isolation Check Valve 1HP0390, 2HP0454, 3HP0390, 1HP0454, 2HP0457, 3HP0454 1HP0457, 2HP0389, 3HP0393, 1HP0393, 2HP0390, 3HP0457</p>
Code Category:	A/C
Function:	These valves shall open to establish seal injection. These valves shall close for containment isolation.
Test Requirement:	Verify proper valve movement to the open and closed position every three months as required per OMB-2006 Subsection ISTC 3510. Open and close tests are not required to be performed at the same time if performed within the same interval.
Basis for Deferral:	Testing these valves to the closed position during power operation will isolate reactor coolant pump seal injection which could result in RCP seal degradation.
Test Alternative & Frequency	<p>An alternative test frequency based on the guidelines within NUREG-1482 and the requirements within OMB-2006 Subsection ISTC 3522 is followed for the closure test. The valves are tested in the closed position each refueling outage during the local leak rate test for each penetration. This alternative is consistent with Section 4.1.4 of NUREG-1482 which states, "If no other practical means is available, it is acceptable to verify that check valves are capable of closing by performing leak rate testing at each reactor refueling outage...The NRC has determined that the need to set up [leak rate] test equipment is adequate justification to defer backflow testing of a check valve until a refueling outage."</p> <p>Per OMB-2006 Subsection ISTC 3522, open and close tests need only be performed at an interval when it is practical to perform both tests. Therefore, the test to the open position will be performed each refueling outage.</p> <p>Additionally, these valves are tested to the open position every three months.</p>

Justification for Deferral

Item Number: ON-HP-23

Valve: Letdown Storage Tank Drain Return Isolation Valve
1HP0939, 1HP0940
2HP0939, 2HP0940
3HP0939, 3HP0940

Code Category: B

Function: During normal operations and during non-LOCA events which require containment integrity, this valve remains shut and serves as a containment isolation valve. This valve is opened from the control room during certain LOCA events to return HPI pump minimum flow and potential LDST leakage sources from the LDST to the RBES. This valve is required to be opened prior to commencing piggyback operations to avoid over pressurization of the LDST and subsequent actuation of the LDST relief valve. Once open, this valve is not required to be closed.

Test Requirement: Verify proper valve movement to the open position every three months as required per OMB-2006 Subsection ISTC-3510.

Basis for Deferral: Testing these valves to the open position during power operation would result in a direct flow path from the HPI system to the Reactor Building Emergency Sump creating a loss of RCS inventory. Note: The isolation valve immediately upstream of the subject valve could be closed to allow testing on-line; however, testing the valve to the open position and subsequent closing creates a risk of adversely affecting the RCS leakage calculation.

Test Alternative & Frequency: An alternative test method based on the guidelines within NUREG-1482 and the requirements within OMB-2006 Subsection ISTC-3521 is followed.

Per OMB-2006 Subsection ISTC-3521, the valves will be tested to the open position during refueling.

Justification for Deferral

Item Number:	ON-HP-24
Valve:	LDST Drain Return Isolation Check Valve 1HP0973, 1HP0974 2HP0973, 2HP0974 3HP0973, 3HP0974
Code Category:	A/C
Function:	This containment isolation valve is closed during normal unit operation and during non-LOCA events which require containment integrity. For LOCA events which require piggyback operation, this valve is required to open to return HPI pump minimum flow and potential LDST leakage sources from the LDST to the RBES.
Test Requirement:	Verify proper valve movement to the open and closed position every three months as required per OMB-2006 Subsection ISTC 3510. Open and close tests are not required to be performed at the same time if performed within the same interval.
Basis for Deferral:	Due to system design, testing to the closed position can only be accomplished by use of an external test pump. Due to the hardship of installing such test equipment, ALARA concerns and complexity, it is not deemed practical to perform such a test.
Test Alternative & Frequency:	<p>An alternative test method based on the guidelines within NUREG-1482 and the requirements within OMB-2006 Subsection ISTC 3522 is followed.</p> <p>The valve is to be tested to the open position during each refueling outage by draining a portion of the LDST through the check valve to the RBES. Creating such a flow path during unit operation is unacceptable. The valve is tested to the closed position during each refueling outage by installing test equipment and measuring flow to verify valve closure. This frequency is based on the guideline provided in NUREG-1482, section 4.1.4 which states that the "NRC has determined that the need to set up test equipment is adequate justification to defer testing until a refueling outage."</p> <p>Per OMB-2006 Subsection ISTC 3522, open and close tests need only be performed at an interval when it is practical to perform both tests. The valves are tested to the open and closed position during each refueling outage.</p>

Oconee Units 1, 2, and 3

Justification for Deferral

Item Number:	ON-HPSW-01
Valve:	HPSW Supply to LPSW Leakage Accumulator Check Valve 1HPSW943, 2HPSW943, 3HPSW943
IST Valve Category:	AC
Function:	Valve must CLOSE during any LOOP event. It is expected to normally be closed.
Test Requirement:	Verify proper valve movement to the open and closed position every three months as required per OMB-2006 Subsection ISTC 3510.
Basis for Deferral:	Testing HPSW-943 in the closed (reverse flow) direction is limited to performing a leak rate test.
Test Alternative & Frequency	<p>An alternative test method based on the guidelines within NUREG-1482 and the requirements within OMB-2006 Subsection ISTC 3522 is followed.</p> <p>The valves will be tested closed on a frequency consistent with Technical Specifications. Technical Specifications requires the valves to be leak rate tested every 18 months. This alternative is in line with the alternative documented within Section 4.1.6 of NUREG-1482 (Rev. 1) which states, "If no other practical means is available, it is acceptable for licensees to extend the quarterly closure exercise test to a refueling frequency...The NRC has determined that the need to set up [leak rate] test equipment is adequate justification to defer reverse flow testing of a check valve to a refueling outage".</p> <p>The valves will be tested to the open position during refueling in accordance with OMB-2006 Subsection ISTC 3522 which states that open and close tests need only be performed at an interval when it is practical to perform both tests.</p>

Oconee Units 1, 2, and 3

Justification for Deferral

Item Number:	ON-LP-01
Valve:	Reactor Coolant System/Low Pressure Injection Isolation Valve 1LP0001, 2LP0001, 3LP0001 Low Pressure Injection Hot Leg Suction Isolation 1LP0002, 2LP0002, 3LP0002
Code Category:	B
Function:	The valve shall be capable of being opened after any LOCA to pass flow from the RCS hot leg to the containment sump or the suction of an operating LPI pump. This flow prevents the formation of an unacceptably high concentration of boric acid in the reactor vessel for certain LOCAs.
Test Requirement:	Verify proper valve movement to the open position every three months as required per OMB-2006 Subsection ISTC-3510.
Basis for Deferral:	These valves are redundant pressure boundary isolation valves for the RCS. They open to permit flow from RCS decay heat drop line through LPI system for cooling, and back into RCS. The motor operators on these valves are not adequately sized to open the valves against the full RCS pressure differential. Any attempt to do so could result in damage to the motor operators since the protective torque switches are bypassed on the opening stroke. There is also risk of damage to LP0002 for the same reason, since there is no way to be certain that LP0001 has not leaked by enough to pressurize the upstream side of LP0002.
Test Alternative & Frequency	An alternative test frequency based on the requirements within OMB-2006 Subsection ISTC-3521 is followed. Per OMB-2006 Subsection ISTC-3521, the valves are tested to the open position during cold shutdown.

Justification for Deferral

Item Number:	ON-LP-03
Valve:	Post LOCA Boron Dilution Isolation 1LP0103, 2LP0103, 3LP0103
Code Category:	B
Function:	The valves shall be capable of opening after any LOCA to align a flow path to direct fluid from the RCS hot leg to the containment sump. This prevents the formation of an unacceptably high concentration of boric acid in the reactor vessel for certain LOCAs.
Test Requirement:	Verify proper valve movement to the open position every three months as required per OMB-2006 Subsection ISTC-3510.
Basis for Deferral:	These valves are redundant pressure boundary isolation valves for the RCS. They open to permit flow from RCS decay heat drop line into the RB emergency sump. LP0103 cannot be opened at power, since the motor operator is not designed to handle full RCS differential pressure. Attempting to open LP0103 at power would result in damage to the motor operators, since the protective torque switches are bypassed on the opening stroke. The valves are also exempted from stroke tested during cold shutdown due to the potential for air migration from the downstream side of the valve into the operating LPI system (Generic Letter 08-01 concerns).
Test Alternative & Frequency	<p>An alternative test frequency based on the requirements within OMB-2006 Subsection ISTC-3521 is followed.</p> <p>Per OMB-2006 Subsection ISTC-3521, the valves will be tested to the open position every refueling outage.</p>

Justification for Deferral

Item Number:	ON-LP-07
Valve:	LPI Header Isolation Valve 1LP0017, 2LP0017, 3LP0017, 1LP0018, 2LP0018, 3LP0018
Code Category:	B
Function:	These valves shall open and/or throttle to align the Low Pressure Injection Headers for emergency injection to the RCS.
Test Requirement:	Verify proper valve movement to the open and closed position every three months as required per OMB-2006 Subsection ISTC-3510.
Basis for Deferral:	These valves are a part of pressure boundary isolation between the RCS and LPI systems. Thus, the valves are kept normally closed as an additional measure to protect the LPI system from overpressurization (i.e. intersystem LOCA).
Test Alternative & Frequency	An alternative test frequency based on the requirements within OMB-2006 Subsection ISTC-3521 is followed. Per OMB-2006 Subsection ISTC-3521, the valves are tested to the open and closed position during cold shutdown.

Justification for Deferral

Item Number:	ON-LP-08
Valve:	Post-LOCA Alternate Boron Dilution Isolation Valve 1LP0105
Code Category:	B
Function:	The valve shall be capable of being opened after any LOCA to align a flow path to direct fluid from the RCS hot leg to the containment sump. This prevents the formation of an unacceptably high concentration of boric acid in the reactor vessel for certain LOCAs.
Test Requirement:	Verify proper valve movement to the open position every three months as required per OMB-2006 Subsection ISTC-3510.
Basis for Deferral:	The valve and piping arrangement is unique to Unit-1. The LPI suction from the Reactor Coolant System (RCS) has a high point that may get vapor locked if used as a gravity flow path (to mitigate boron precipitation concern post accident). Opening this valve will drain this portion of the LPI suction and introduce air into the system. Due to this system constraint, this valve must be kept closed in order to avoid damaging the LPI pump(s). This valve must only be opened when the system can be replenished properly and vented to ensure that the LPI suction from the RCS is maintained water solid. The RCS cannot replenish this line at power due to system pressure/temperature design limitations. This valve is also exempted from stroke testing during cold shutdown due to the potential for air migration from the downstream side of the valve into the operating LPI system (Generic Letter 08-01 concerns).
Test Alternative & Frequency	<p>An alternative test frequency based on the requirements within OMB-2006 Subsection ISTC-3521 is followed.</p> <p>Per OMB-2006 Subsection ISTC-3521, the valve is tested to the open position every refueling outage.</p>

Justification for Deferral

Item Number:	ON-LP-10
Valve:	Reactor Building Sump Suction Isolation Valve 1LP0019, 2LP0019, 3LP0019, 1LP0020, 2LP0020, 3LP0020
Code Category:	B
Function:	During an accident, these valves are remotely operated from the control room and shall open to align the suction of the LPI pumps to the containment recirculation sump. The valves shall be capable of being closed to mitigate the effect of a postulated passive failure in the downstream piping after it has been opened.
Test Requirement:	Verify proper valve movement to the open and closed position every three months as required per OMB-2006 Subsection ISTC-3510.
Basis for Deferral:	<p>Testing valves LP-19 and LP-20 quarterly at power operation requires manual operator action should an ES signal occur, entry into 3 separate Tech Spec Action Statements affecting three systems, racking out pump breakers and opening valve breakers.</p> <p>Additionally, quarterly testing of these valves results in draining inventory from the LPI and RBS suction from the BWST. Consequently, this introduces air into the suction piping creating the potential for water hammers to occur on pump start-up (PIP-96-2347). Therefore, an additional sequence of steps is prescribed to remove air from the system after valve stroking is complete but prior to exiting the applicable Tech Spec Action Statements. These steps include opening a vent valve, a drain valve, installing drain hose and manually operating either LP-21 or LP-22. These actions result in a significant increase in the length of time spent in the Tech Spec Action Statements.</p> <p>With the exception of No Mode, opening these valves during shutdown has the ability to introduce air into the suction of ECCS pumps and increases risks of draining the RCS to the RBES.</p> <p>Based on the hardship and risks incurred with quarterly stroking, testing of these valves is to be deferred to a refueling outage frequency such that testing can be performed in No Mode.</p>
Test Alternative & Frequency	<p>An alternative test frequency based on the requirements within OMB-2006 Subsection ISTC-3521 is followed.</p> <p>Per OMB-2006 Subsection ISTC-3521, the valves are tested to the open and closed positions during refueling with the system drained during No Mode.</p>

Justification for Deferral

Item Number:	ON-LP-12
Valve:	Thermal Overpressure Valve 1LP0167, 2LP0167, 3LP0167
Code Category:	C
Function:	This valve shall be capable of opening to provide thermal overpressure relief between valves LP-1 and LP-2.
Test Requirement:	Verify proper valve movement to the open and closed position every three months as required per OMB-2006 Subsection ISTC 3510. Open and close tests are not required to be performed at the same time if performed within the same interval.
Basis for Deferral:	Testing these valves can only be accomplished by local testing. These valves are located inside the Reactor Building.
Test Alternative & Frequency	<p>An alternative test frequency based on the guidelines within NUREG-1482 and the requirements within OMB-2006 Subsection ISTC 3522 is followed. The valves are tested in the open and closed position each refueling outage by local leak rate testing. This alternative is consistent with Section 4.1.4 of NUREG-1482 which states, "If no other practical means is available, it is acceptable to verify that check valves are capable of closing by performing leak rate testing at each reactor refueling outage... The NRC has determined that the need to set up [leak rate] test equipment is adequate justification to defer backflow testing of a check valve until a refueling outage."</p> <p>Per OMB-2006 Subsection ISTC 3522, open and close tests need only be performed at an interval when it is practical to perform both tests. Therefore, the test to the open position will be performed each refueling outage.</p>

Justification for Deferral

Item Number:	ON-LP-13
Valve:	Post LOCA Boron Dilution Isolation 1LP0104, 2LP0104, 3LP0104
Code Category:	B
Function:	The valves shall be capable of opening after any LOCA to align a flow path to direct fluid from the RCS hot leg to the containment sump. This prevents the formation of an unacceptably high concentration of boric acid in the reactor vessel for certain LOCAs.
Test Requirement:	Verify proper valve movement to the open position every three months as required per OMB-2006 Subsection ISTC-3510.
Basis for Deferral:	These valves are redundant pressure boundary isolation valves for the RCS. They open to permit flow from RCS decay heat drop line into the RB emergency sump. There is risk of damage to LP0104 since the motor operator is not designed to handle full RCS differential pressure. This is a concern because there is no way to be certain that LP0103 has not leaked by enough to pressurize the upstream side of LP0104.
Test Alternative & Frequency	<p>An alternative test frequency based on the requirements within OMB-2006 Subsection ISTC-3521 is followed.</p> <p>Per OMB-2006 Subsection ISTC-3521, the valves will be tested to the open position during cold shutdown.</p>

Justification for Deferral

Item Number:	ON-LPSW-01
Valve:	RCP Motor Bearing and Air Coolers Isolation Valve 1LPS0006, 2LPS0006, 3LPS0006 1LPS0015, 2LPS0015, 3LPS0015
Code Category:	B
Function:	Valves shall close to provide containment isolation.
Test Requirement:	Verify proper valve movement to the closed position every three months as required per OMB-2006 Subsection ISTC-3510.
Basis for Deferral:	These valves isolate flow to the reactor coolant pump motor coolers. Closure of these valves during power operation would result in overheating and consequent damage to the reactor coolant pumps.
Test Alternative & Frequency	An alternative test frequency based on the requirements within OMB-2006 Subsection ISTC-3521 is followed. Per OMB-2006 Subsection ISTC-3521, the valves are tested to the closed position during cold shutdown.

Justification for Deferral

Item Number:	ON-LPSW-02
Valve:	Non-Essential Header Isolation Valve 3LPS0139
Code Category:	B
Function:	Valve shall close prior to aligning LPSW to the LPI Coolers to ensure adequate LPSW pump NPSH and sufficient LPSW flow to the safety related loads.
Test Requirement:	Verify proper valve movement to the closed position every three months as required per OMB-2006 Subsection ISTC-3510.
Basis for Deferral:	Closure of this valve at power would interrupt cooling water to the main turbine oil tank. This would increase turbine oil temperature, which could lead to high vibrations, manual turbine trip, and/or turbine damage.
Test Alternative & Frequency	<p>An alternative test frequency based on the requirements within OMB-2006 Subsection ISTC-3521 is followed.</p> <p>Per OMB-2006 Subsection ISTC-3521, the valve is tested to the closed position during cold shutdown.</p>

Justification for Deferral

Item Number:	ON-LPSW-05
Valve:	RBCU Cooling Coil Outlet Isolation Valves 1LPS0018, 1LPS0021, 1LPS0024,
IST Valve Category:	B
Function:	These valves shall open to allow LPSW flow through the RBCU cooling coils.
Test Requirement:	Verify proper valve movement to the open position every three months as required per Omb-2006 Subsection ISTC-3510.
Basis for Deferral:	From a system review performed to meet the concerns addressed within Generic Letter 96-06, the potential for a water hammer within the LPSW piping with the outlet isolation valves closed was identified. The operability evaluation performed to address the potential water hammer concluded that closing these valves at power operation is not allowed by Technical Specifications. Since these valves can not be (fully) closed, it is not possible to test these valves at power operation.
Test Alternative & Frequency	<p>An alternative test frequency based on the requirements within Omb-2006 Subsection ISTC-3521 is followed.</p> <p>Per Omb-2006 Subsection ISTC-3521, the valves are tested to the partially open position monthly.</p> <p>Per Omb-2006 Subsection ISTC-3521, the valves are tested to the open position during cold shutdown.</p>

Justification for Deferral

Item Number: ON-LPSW-06

Valve: LPSW Return Header Pneumatic Disch Isol. Valves
1LPSW1121, 2LPSW1121, 3LPSW1121
1LPSW1122, 2LPSW1122, 3LPSW1122
1LPSW1123, 2LPSW1123, 3LPSW1123
1LPSW1124, 2LPSW1124, 3LPSW1124

Code Category: A

Function: These valves close to prevent waterhammer and open to ensure Containment heat removal.

Test Requirement: Verify proper valve movement to the open and closed position every three months as require per OMB-2006 Subsection ISTC-3510.

Basis for Deferral: Testing these valves at power operation isolates a redundant train requiring entry into an LCO potentially for the duration of several hours.

Testing would involve manual closure of one of two flow paths associated with all Reactor Building cooling loads. These cooling loads include all safety related Reactor Building Cooling Units (RBCUs), all cooling to the Reactor Coolant Pumps (RCPs), as well as all non safety Reactor Building Auxiliary Cooling Units. Spurious actuation and/or single failure of the operating train while in the test configuration could lead to a loss of all safety and non safety related Reactor Building Cooling.

From a plant risk perspective, in the test configuration the potential exists that an inadvertent isolation would lead to complete loss of RCP motor cooling. With this loss of cooling operator action for the operating unit would be required to secure RCPs in a short time frame (approx. 20 minutes). This would result in a significant plant transient including a reactor trip and natural circulation cool down. The inadvertent isolation would also lead to complete loss of Reactor Building Containment Heat Removal. In such an event, manual action would be required to restore Reactor Building Cooling.

Causes of inadvertent isolation reviewed include misposition during testing and/or spurious actuation/failure of the opposite flow path. It is recognized that this probability is low but the consequences are detrimental. Overall, the plant risk during normal operation and accident conditions outweigh the benefits that might otherwise be achieved by testing quarterly.

Test Alternative & Frequency: An alternative test frequency based on the requirements within OMB-2006 Subsection ISTC-3521 is followed.

Per OMB-2006 Subsection ISTC-3521, the valves are tested to the open and closed position during Cold Shutdown.

Justification for Deferral

Item Number:	ON-LPSW-07
Valve:	RBCU Cooling Coil Outlet Isolation Valves 2LPSW0018, 2LPSW0021, 2LPSW0024 3LPSW0018, 3LPSW0021, 3LPSW0024
IST Valve Category:	B
Function:	These valves shall open to allow LPSW flow through the RBCU cooling coils.
Test Requirement:	Verify proper valve movement to the open position every three months as required per OMB-2006 Subsection ISTC-3510.
Basis for Deferral:	Performing this stroke test quarterly would require entry into the Reactor Building at 100% power which is not desirable for ALARA considerations and personnel safety. In addition, entry into a SLC for RBCU cooling flow as well as entry into a Containment Isolation LCO would be required.
Test Alternative & Frequency	<p>An alternative test frequency based on the requirements within OMB-2006 Subsection ISTC-3521 is followed.</p> <p>Per OMB-2006 Subsection ISTC-3521, the valves are tested to the partially open position monthly.</p> <p>Per OMB-2006 Subsection ISTC-3521, the valves are tested to the open position during cold shutdown.</p>

Justification for Deferral

Item Number:	ON-MS-01
Valve:	Main Turbine Stop Valves 1MS0102, 2MS0102, 3MS0102, 1MS0103, 2MS0103, 3MS0103 1MS0104, 2MS0104, 3MS0104, 1MS0105, 2MS0105, 3MS0105
Code Category:	B
Function:	These hydraulically operated valves shall close to isolate the unaffected steam generator during a main steam line break. The main turbine stop valves limit the Reactor Coolant System cool down rate and resultant reactivity insertion following a main steam line break accident. The valves shall also close to isolate the affected steam generator following a steam generator tube rupture. For a number of events, failure to close could result in an uncontrolled cool down (and is unanalyzed).
Test Requirement:	Verify proper valve movement to the closed position every three months as required per OMB-2006 Subsection ISTC-3510.
Basis for Deferral:	Stroke time testing of these valves is performed by opening links, tripping the Control Rod Drive breakers and installation of a digital timer. These actions represent a unit trip hazard.
Test Alternative & Frequency	An alternative test frequency based on the requirements within OMB-2006 Subsection ISTC-3521 is followed. Per OMB-2006 Subsection ISTC-3521, the valves are tested to the closed position during cold shutdown.

Justification for Deferral

Item Number:	ON-MS-02
Valve:	Main Steam Bypass Valves 1MS0017, 2MS0017, 3MS0017, 1MS0026, 2MS0026, 3MS0026
Code Category:	B
Function:	These valves shall close to isolate the affected steam generator in the event of a Steam Generator Tube Rupture.
Test Requirement:	Verify proper valve movement to the closed position every three months as required per OMB-2006 Subsection ISTC-3510.
Basis for Deferral:	These valves are not adequately sized to close at the Main Steam system conditions present at power operation. Imposing this differential pressure on the valve would inhibit full closure based on the torque setting and damage the operator on the open stroke due to the torque switch being bypassed during opening.
Test Alternative & Frequency	An alternative test frequency based on the requirements within OMB-2006 Subsection ISTC-3521 is followed. Per OMB-2006 Subsection ISTC-3521, the valves are tested to the closed position during cold shutdown.

Justification for Deferral

Item Number:	ON-MS-03
Valve:	Main Steam to the Main Feedwater Pump Turbine Isolation Valve 1MS0035, 2MS0035, 3MS0035, 1MS0036, 2MS0036, 3MS0036
Code Category:	B
Function:	This valve shall close to isolate the affected steam generator in the event of a Steam Generator Tube Rupture.
Test Requirement:	Verify proper valve movement to the closed position every three months as required per OMB-2006 Subsection ISTC-3510.
Basis for Deferral:	Testing these valves at power operation could cause a swing of main feedwater flow and a possible reactor runback or trip.
Test Alternative & Frequency	An alternative test frequency based on the requirements within OMB-2006 Subsection ISTC-3521 is followed. Per OMB-2006 Subsection ISTC-3521, the valves are tested to the closed position during cold shutdown.

Justification for Deferral

Item Number:	ON-MS-04
Valve:	Main Steam Supply to 2nd Stage Reheaters Isolation Valve 1MS0076, 2MS0076, 3MS0076, 1MS0079, 2MS0079, 3MS0079
Code Category:	B
Function:	These valves shall close to isolate the affected steam generator in the event of a Steam Generator Tube Rupture.
Test Requirement:	Verify proper valve movement to the closed position every three months as required per OMB-2006 Subsection ISTC-3510.
Basis for Deferral:	Testing these valves at power operation isolates the second stage reheater allowing lower temperature, higher moisture content steam to the Low Pressure Turbines. Unit response would be a loss of power generation, a secondary transient and increased thermal differences across the low pressure turbines steam inlet, possibly beyond the manufacturer recommendations.
Test Alternative & Frequency	An alternative test frequency based on the requirements within OMB-2006 Subsection ISTC-3521 is followed. Per OMB-2006 Subsection ISTC-3521, the valves are tested to the closed position during cold shutdown.

Justification for Deferral

Item Number:	ON-MS-07
Valve:	Main Atmospheric Dump Block / Equalization Valves 1MS0153, 2MS0153, 3MS0153 1MS0155, 2MS0155, 3MS0155 1MS0161, 2MS0161, 3MS0161 1MS0163, 2MS0163, 3MS0163
Code Category:	B
Function:	These chain wheel operated valves shall be opened when secondary side cooling is to be accomplished using the atmospheric dump valves.
Test Requirement:	Verify proper valve movement to the open position every three months as required per OMb-2006 Subsection ISTC-3510.
Basis for Deferral:	Leakage in Mode 1 would not have a direct impact upon plant operation assuming normal control systems function; however, leakage in Modes 2-4 could have a significant thermal impact to the RCS due to excessive secondary cooling. Testing these valves at power may prohibit tight closure thereby inducing long term damage to the valve resulting in excessive leakage. The damage would significantly shorten the component lifespan. The leakage could also affect the throttle ability and thereby event mitigation.
Test Alternative & Frequency	An alternative test frequency based on the requirements within OMb-2006 Subsection ISTC-3521 is followed. Per OMb-2006 Subsection ISTC-3521, the valves are tested to the open position during cold shutdown.

Justification for Deferral

Item Number:	ON-N-01
Valve:	Core Flood Tank Nitrogen Supply Check Valve 1N0129, 2N0129, 3N0129, 1N0131, 2N0131, 3N0131
Code Category:	A/C
Function:	These valves shall close for containment isolation.
Test Requirement:	Verify proper valve movement to the open and closed position every three months as required per OMB-2006 Subsection ISTC 3510. Open and close tests are not required to be performed at the same time if performed within the same interval.
Basis for Deferral:	Testing these valves to the closed position can only be accomplished by local leak rate testing since there is no other means to simulate reverse flow in the line.
Test Alternative & Frequency	<p>An alternative test method based on the guidelines within NUREG-1482 and the requirements within OMB-2006 Subsection ISTC 3522 is followed for the closure test. The valves are tested in the closed position each refueling outage during the local leak rate test for each penetration. This alternative is consistent with Section 4.1.4 of NUREG-1482 which states, "If no other practical means is available, it is acceptable to verify that check valves are capable of closing by performing leak rate testing at each reactor refueling outage...The NRC has determined that the need to set up [leak rate] test equipment is adequate justification to defer backflow testing of a check valve until a refueling outage."</p> <p>Per OMB-2006 Subsection ISTC 3522, open and close tests need only be performed at an interval when it is practical to perform both tests. Therefore, the test to the open position will be performed each refueling outage.</p>

Justification for Deferral

Item Number:	ON-N-02
Valve:	Low Pressure Nitrogen Header Supply Check Valve 1N0246, 2N0246, 3N0246
Code Category:	A/C
Function:	These valves shall close for containment isolation.
Test Requirement:	Verify proper valve movement to the open and closed position every three months as required per OMB-2006, Subsection ISTC 3510. Open and close tests are not required to be performed at the same time if performed within the same interval.
Basis for Deferral:	Exercising these valves to the closed safety position can only be accomplished by local leak rate testing since there is no other means to simulate reverse flow in the line.
Test Alternative & Frequency	<p>An alternative test method based on the guidelines within NUREG-1482 and the requirements within OMB-2006, Subsection ISTC 3522 is followed for the closure test. The valves are tested in the closed position each refueling outage during the local leak rate test for each penetration. This alternative is consistent with Section 4.1.4 of NUREG-1482 which states, "If no other practical means is available, it is acceptable to verify that check valves are capable of closing by performing leak rate testing at each reactor refueling outage...The NRC has determined that the need to set up [leak rate] test equipment is adequate justification to defer backflow testing of a check valve until a refueling outage."</p> <p>Per OMB-2006, Subsection ISTC 3522, open and close tests need only be performed at an interval when it is practical to perform both tests. Therefore, the test to the open position will be performed each refueling outage.</p>

Justification for Deferral

Item Number:	ON-RC-02
Valve:	Pressurizer Spray 1RC0001, 2RC0001, 3RC0001
Code Category:	B
Function:	These valves shall be capable of opening and closing as one means of reducing RCS pressure following a Steam Generator Tube Rupture.
Test Requirement:	Verify proper valve movement to the open and closed position every three months as required per OMB-2006 Subsection ISTC-3510.
Basis for Deferral:	Testing these valves open above cold shutdown conditions will cause unnecessary reactor coolant system pressure transients.
Test Alternative & Frequency	An alternative test frequency based on the requirements within OMB-2006 Subsection ISTC-3521 is followed. Per OMB-2006 Subsection ISTC-3521, the valves are tested to the open and closed positions during cold shutdown.

Justification for Deferral

Item Number:	ON-RC-04
Valve:	Pressurizer Power Operated Relief Valve (PORV) 1RC0066, 2RC0066, 3RC0066
IST Valve Category:	B
Function:	<p>These valves shall be capable of opening and closing to provide one train of LTOP Protection.</p> <p>These valves shall be capable of being opened and closed from the control room to provide an RCS vent path.</p> <p>These valves shall be capable of being closed during a design basis event. These valves could be opened following a design basis event and reclosure could be required to isolate the RCS pressure boundary.</p> <p>These valves shall be capable of opening and closing as one means of reducing RCS pressure following a Steam Generator Tube Rupture.</p>
Test Requirement:	Verify proper valve movement to the open and closed positions every three months as required per OMB-2006 Subsection ISTC-3510.
Basis for Deferral:	Per NUREG-1482 Section 4.4.1, the NRC recognized that the PORVs have shown a high probability of sticking open and are not needed for overpressure protection during power operation. The NRC has deemed therefore, quarterly testing at power operation "not practical".
Test Alternative & Frequency	<p>An alternative test frequency based on the guidelines within NUREG-1482 and the requirements within OMB-2006 Subsection ISTC-3521 is followed.</p> <p>Per OMB-2006 Subsection ISTC-3521, the valves are tested to the open and closed positions during cold shutdown.</p>

Justification for Deferral

Item Number: ON-RC-05

Valve: Pen 5b Thermal Overpressurization Reverse Flow Check Valves
1RC0207; 2RC0207; 3RC0207
1RC0208; 2RC0208; 3RC0208

Code Category: C

Function: These valves shall be capable of opening and relieving back to the RCS to prevent thermal overpressurization of Penetration #5b during a Loss of Coolant Accident.

Test Requirement: Verify proper valve movement to the open and closed position every three months as required per OMB-2006, Subsection ISTC 3510. Open and close tests are not required to be performed at the same time if performed within the same interval.

Basis for Deferral: Testing these valves in the open and close direction is performed during local leak rate testing of Penetration 5b since there is no means to simulate forward or reverse flow in the line.

Test Alternative & Frequency: An alternative test method based on the guidelines within NUREG-1482 and the requirements within OMB-2006, Subsection ISTC 3522 is followed for the closure test. The valves are tested in the closed position each refueling outage during the local leak rate test for each penetration. This alternative is consistent with Section 4.1.4 of NUREG-1482 which states, "If no other practical means is available, it is acceptable to verify that check valves are capable of closing by performing leak rate testing at each reactor refueling outage...The NRC has determined that the need to set up [leak rate] test equipment is adequate justification to defer backflow testing of a check valve until a refueling outage."

Per OMB-2006, Subsection ISTC 3522, open and close tests need only be performed at an interval when it is practical to perform both tests. Therefore, the test to the open position will be performed each refueling outage.

Justification for Deferral

Item Number:	ON-RC-06
Valve:	Hot Leg A / B Vent Isolation Valves 1RC0155, 1RC0156, 1RC0157, 1RC0158 2RC0155, 2RC0156, 2RC0157, 2RC0158 3RC0155, 3RC0156, 3RC0157, 3RC0158 Reactor Vessel Vent Isolation Valves 1RC0159, 1RC0160 2RC0159, 2RC0160 3RC0159, 3RC0160
Code Category:	B
Function:	These valves shall be capable of opening in order to provide a vent path to exhaust noncondensable gases and/or steam from the RCS that could inhibit natural circulation core cooling. The valves shall also be able to close to isolate the RCS pressure boundary.
Test Requirement:	Verify proper valve movement to the open and closed position every three months as required per OMB-2006 Subsection ISTC-3510.
Basis for Deferral:	The valves cannot be exercised at power without potentially breaching the RCS pressure boundary.
Test Alternative & Frequency:	An alternative test frequency based on the requirements within OMB-2006 Subsection ISTC-3521 is followed. Per OMB-2006 Subsection ISTC-3521, the valves are tested to the open and closed positions during cold shutdown.

Justification for Deferral

Item Number:	ON-RX-01
Valve:	Reactor Vessel Internal Vent Valves 1RC01RX, 2RC02RX, 3RC03RX
IST Valve Category:	C
Function:	These valves shall open when the pressure in the core exit plenum is above the pressure in the core downcomer region. This function reduces the pressure in the core exit plenum during postulated cold leg breaks and is required to assure an adequate amount of ECCS water reaches the fuel. There are eight 14" diameter check valves mounted in the Core Support Shield that effectively separates the core outlet plenum from the inlet nozzles and downcomer. These valves are normally closed and required to remain closed during normal operation and for postulated hot leg breaks since reverse flow during these modes would bypass the core.
Test Requirement:	Verify proper valve movement to the open and closed position every three months as required per OMB-2006, Subsection ISTC 3510. Open and close tests are not required to be performed at the same time if performed within the same interval.
Basis for Deferral:	During power operation or cold shutdown conditions, there are no means to test these valves. The reactor vessel head must be removed in order to test these valves to the open and closed positions.
Test Alternative & Frequency	Per NUREG-1482 guidelines and OMB-2006, Subsection ISTC 3522 requirements, the valves are tested to the open and close positions each refueling outage. Each refueling outage the reactor vessel head is removed allowing the valves to be tested. The valves are tested by measuring the forces required to open the valves. Acceptance criteria for the forces required to open the valves is based on accident analyses.

Justification for Deferral

Item Number:	ON-SSF-01
Valve:	SSF Steam Generator Feedwater Control Valve 1CCW0269, 2CCW0269, 3CCW0269
Code Category:	B
Function:	In an SSF emergency these valves can be throttled open from SSF Control Room to allow Auxiliary Feedwater from several sources to feed the "A" Steam Generator.
Test Requirement:	Verify proper valve movement to the open and closed position every three months as required per OMB-2006 Subsection ISTC-3510.
Basis for Deferral:	During power operation, Technical Specifications require emergency feedwater train separation. Testing these valves at power would violate Technical Specifications.
Test Alternative & Frequency	<p>An alternative test frequency based on the requirements within OMB-2006 Subsection ISTC-3521 is followed.</p> <p>Per OMB-2006 Subsection ISTC-3521, the valves are tested to the open and closed positions during cold shutdown.</p>

Justification for Deferral

Item Number: ON-SSF-02

Valve: RC Makeup to RCP, HPI Boundary Check
1HP0399, 2HP0399, 3HP0399
1HP0400, 2HP0400, 3HP0400
1HP0401, 2HP0401, 3HP0401
1HP0402, 2HP0402, 3HP0402

Code Category: C

Function: In an SSF emergency these valves open to allow flow from the RC Makeup System to the RC Pump Seal Supply.

Test Requirement: Verify proper valve movement to the open and closed position every three months as required per OMB-2006, Subsection ISTC 3510. Open and close tests are not required to be performed at the same time if performed within the same interval.

Basis for Deferral: Testing of these valves at Power Operation would result in injecting Spent Fuel Pool Water into the RC Pump Seals. This could result in Power Transients, Uncontrolled Reactivity Changes, Reactor Trips or Extensive Cleanup Requirements, particularly near the end of cycle.

Testing these valves to the closed position can only be accomplished by local leak rate testing since there is no other means to simulate reverse flow in the line.

Test Alternative & Frequency An alternative test method based on the guidelines within NUREG-1482 and the requirements within OMB-2006, Subsection ISTC 3522 is followed for the closure test. The valves are tested in the closed position each refueling outage during the local leak rate test for each penetration. This alternative is consistent with Section 4.1.4 of NUREG-1482 which states, "If no other practical means is available, it is acceptable to verify that check valves are capable of closing by performing leak rate testing at each reactor refueling outage...The NRC has determined that the need to set up [leak rate] test equipment is adequate justification to defer backflow testing of a check valve until a refueling outage."

Per OMB-2006, Subsection ISTC 3522, open and close tests need only be performed at an interval when it is practical to perform both tests. Therefore, the test to the open position will be performed each refueling outage.

Additionally, the valves are tested to the open position each cold shutdown.

Justification for Deferral

Item Number:	ON-SSF-03
Valve:	RC Make Up Discharge to RC Pump Seals Block 1HP0398, 2HP0398, 3HP0398
Code Category:	B
Function:	These valves are normally closed to prevent Spent Fuel Pool Flow from the RC Makeup System to the RC Pump Seals. In an SSF emergency, they open on command from the SSF to allow the RC Makeup System to supply emergency RC Pump seal water.
Test Requirement:	Verify proper valve movement to the open position every three months as required per OMB-2006 Subsection ISTC-3510.
Basis for Deferral:	Testing these valves could result in overpressurization of the SSF RC Makeup pump suction piping should leakage from the HPI system exist past the downstream check valves.
Test Alternative & Frequency	<p>An alternative test frequency based on the requirements within OMB-2006 Subsection ISTC-3521 is followed.</p> <p>Per OMB-2006 Subsection ISTC-3521, the valves are tested to the open position during cold shutdown.</p>

Justification for Deferral

Item Number:	ON-SSF-04
Valve:	RCS Letdown to Spent Fuel Pool Inside Containment Isolation 1HP0426, 2HP0426, 3HP0426
Code Category:	A
Function:	During an SSF Event, these valves shall be capable of opening, and closing as needed to control flow through their corresponding Unit's SSF RC letdown line so that pressurizer level is maintained within an acceptable range.
Test Requirement:	Verify proper valve movement to the open and closed position every three months as required per OMB-2006 Subsection ISTC-3510.
Basis for Deferral:	This valve is the first normally closed valve from the reactor coolant system. While this valve is open, any leakage past the second boundary would result in a loss of reactor coolant to the Spent Fuel Pool.
Test Alternative & Frequency	An alternative test frequency based on the requirements within OMB-2006 Subsection ISTC-3521. Per OMB-2006 Subsection ISTC-3521, the valves are tested to the open and closed positions during cold shutdown.

DUKE ENERGY
OCONEE NUCLEAR STATION

Supplemental Test Program

Section 7.0

OCONEE NUCLEAR STATION

CCW - CONDENSER CIRCULATING WATER

Equipment ID	Flow Diagram	Pump Design	Pump Group	ASME Class	Relief Request	Test Plan	Frequency
CCW-PU-0001	O FD-121D-01-02	CP >= 600	NA	3		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly

OCONEE NUCLEAR STATION

CS - COOLANT STORAGE

Equipment ID	Flow Diagram	Pump Design	Pump Group	ASME Class	Relief Request	Test Plan	Frequency
1CS-PU-0003	O FD-106A-01-01	VLS >= 600	NA	N/A		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
1CS-PU-0004	O FD-106A-01-01	VLS >= 600	NA	NA		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
1CS-PU-0005	O FD-106A-01-02	CP >= 600	NA	NA		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
2CS-PU-0003	O FD-106A-02-01	VLS >= 600	NA	N/A		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
2CS-PU-0004	O FD-106A-02-01	VLS >= 600	NA	NA		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
2CS-PU-0005	O FD-106A-02-02	CP >= 600	NA	NA		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
3CS-PU-0003	O FD-106A-03-01	VLS >= 600	NA	NA		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
3CS-PU-0004	O FD-106A-03-01	VLS >= 600	NA	NA		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
3CS-PU-0005	O FD-106A-03-02	CP >= 600	NA	NA		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly

OCONEE NUCLEAR STATION

DLO - DIESEL LUBE OIL (SSF)

Equipment ID	Flow Diagram	Pump Design	Pump Group	ASME Class	Relief Request	Test Plan	Frequency
DLO-PU-00A1	O FD-135B-01-04	CP >= 600	NA	N/A		Skid Mounted	Tested once quarterly
DLO-PU-00A2	O FD-135B-01-04	CP >= 600	NA	N/A		Skid Mounted	Tested once quarterly
DLO-PU-00A3	O FD-135B-01-04	CP >= 600	NA	N/A		Skid Mounted	Tested once quarterly
DLO-PU-00A4	O FD-135B-01-04	CP >= 600	NA	3		Skid Mounted	Tested once quarterly
DLO-PU-00A5	O FD-135B-01-04	CP >= 600	NA	3		Skid Mounted	Tested once quarterly
DLO-PU-00B1	O FD-135B-01-04	CP >= 600	NA	N/A		Skid Mounted	Tested once quarterly
DLO-PU-00B2	O FD-135B-01-04	CP >= 600	NA	N/A		Skid Mounted	Tested once quarterly
DLO-PU-00B3	O FD-135B-01-04	CP >= 600	NA	N/A		Skid Mounted	Tested once quarterly
DLO-PU-00B4	O FD-135B-01-04	CP >= 600	NA	3		Skid Mounted	Tested once quarterly
DLO-PU-00B5	O FD-135B-01-04	CP >= 600	NA	3		Skid Mounted	Tested once quarterly

OCONEE NUCLEAR STATION

ESV - ESSENTIAL SIPHON VACUUM (ECCW)

Equipment ID	Flow Diagram	Pump Design	Pump Group	ASME Class	Relief Request	Test Plan	Frequency
1ESV-PU-0001	O FD-130A-01-01	CP >= 600	NA	3		Vibration	Tested once quarterly
						(Comprehensive) Vibration	Tested every refueling outage
1ESV-PU-0002	O FD-130A-01-01	CP >= 600	NA	3		Vibration	Tested once quarterly
						(Comprehensive) Vibration	Tested every refueling outage
1ESV-PU-0003	O FD-130A-01-01	CP >= 600	NA	3		Vibration	Tested once quarterly
						(Comprehensive) Vibration	Tested every refueling outage
2ESV-PU-0001	O FD-130A-02-01	CP >= 600	NA	3		Vibration	Tested once quarterly
						(Comprehensive) Vibration	Tested every refueling outage
2ESV-PU-0002	O FD-130A-02-01	CP >= 600	NA	3		Vibration	Tested once quarterly
						(Comprehensive) Vibration	Tested every refueling outage
2ESV-PU-0003	O FD-130A-02-01	CP >= 600	NA	3		Vibration	Tested once quarterly
3ESV-PU-0001	O FD-130A-03-01	CP >= 600	NA	3		Vibration	Tested once quarterly
						(Comprehensive) Vibration	Tested every refueling outage
3ESV-PU-0002	O FD-130A-03-01	CP >= 600	NA	3		Vibration	Tested once quarterly
						(Comprehensive) Vibration	Tested every refueling outage
3ESV-PU-0003	O FD-130A-03-01	CP >= 600	NA	3		Vibration	Tested once quarterly

OCONEE NUCLEAR STATION

FO - FUEL OIL

Equipment ID	Flow Diagram	Pump Design	Pump Group	ASME Class	Relief Request	Test Plan	Frequency
FO-PU-007A	O FD-135A-01-02	PDP	NA	3		Skid Mounted	Tested once quarterly
FO-PU-007B	O FD-135A-01-02	PDP	NA	3		Skid Mounted	Tested once quarterly
FO-PU-008A	O FD-135A-01-02	PDP	NA	3		Skid Mounted	Tested once quarterly
FO-PU-008B	O FD-135A-01-02	PDP	NA	3		Skid Mounted	Tested once quarterly

OCONEE NUCLEAR STATION

GBO - TURBINE GUIDE BEARING OIL

Equipment ID	Flow Diagram	Pump Design	Pump Group	ASME Class	Relief Request	Test Plan	Frequency
K1GBO-PU-088A	K FD-101A-01-01	PDP	NA	3		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
K1GBO-PU-088D	K FD-101A-01-01	PDP	NA	3		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
K2GBO-PU-088A	K FD-101A-02-01	PDP	NA	3		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
K2GBO-PU-088D	K FD-101A-02-01	PDP	NA	3		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly

OCONEE NUCLEAR STATION

HPS - HIGH PRESSURE SERVICE WATER

Equipment ID	Flow Diagram	Pump Design	Pump Group	ASME Class	Relief Request	Test Plan	Frequency
HPSW-PU-0001	O FD-124C-01-01	CP >= 600	NA	NA		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
HPSW-PU-0002	O FD-124C-01-01	CP >= 600	NA	NA		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
HPSW-PU-0003	O FD-124C-01-01	CP >= 600	NA	NA		Vibration	Tested once yearly

OCONEE NUCLEAR STATION

LPI - LOW PRESS INJ (NON-VALVES)

Equipment ID	Flow Diagram	Pump Design	Pump Group	ASME Class	Relief Request	Test Plan	Frequency
1LPI-PU-0003	O FD-102A-01-02	CP >= 600	NA	2		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
2LPI-PU-0003	O FD-102A-02-02	CP >= 600	NA	2		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
3LPI-PU-0003	O FD-102A-03-02	CP >= 600	NA	2		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly

OCONEE NUCLEAR STATION

LPS - LOW PRESSURE SERVICE WATER

Equipment ID	Flow Diagram	Pump Design	Pump Group	ASME Class	Relief Request	Test Plan	Frequency
0LPSW-PU-0001	O FD-124A-01-02	CP >= 600	NA	N/A		DP/Flow	Tested once yearly
						Vibration	Tested once yearly
0LPSW-PU-0002	O FD-124A-01-02	CP >= 600	NA	N/A		DP/Flow	Tested once yearly
						Vibration	Tested once yearly

OCONEE NUCLEAR STATION

SF - SPENT FUEL

Equipment ID	Flow Diagram	Pump Design	Pump Group	ASME Class	Relief Request	Test Plan	Frequency
SF-PU-0001	O FD-104A-01-01	CP >= 600	NA	3		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
SF-PU-0002	O FD-104A-01-01	CP >= 600	NA	3		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
SF-PU-0006	O FD-104A-01-01	CP >= 600	NA	3		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
3SF-PU-0001	O FD-104A-03-01	CP >= 600	NA	3		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
3SF-PU-0002	O FD-104A-03-01	CP >= 600	NA	3		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly
3SF-PU-0003	O FD-104A-03-01	CP >= 600	NA	3		DP/Flow	Tested once quarterly
						Vibration	Tested once quarterly

OCONEE NUCLEAR STATION

TO - TURBINE OIL

Equipment ID	Flow Diagram	Pump Design	Pump Group	ASME Class	Relief Request	Test Plan	Frequency
1TO-PU-0022	O FD-135B-01-02	CP >= 600	NA	N/A		Skid Mounted	Tested once quarterly
1TO-PU-0029	O FD-135B-01-02	CP >= 600	NA	N/A		Skid Mounted	Tested once quarterly
2TO-PU-0022	O FD-135B-02-02	CP >= 600	NA	N/A		Skid Mounted	Tested once quarterly
2TO-PU-0029	O FD-135B-02-02	CP >= 600	NA	N/A		Skid Mounted	Tested once quarterly
3TO-PU-0022	O FD-135B-03-02	CP >= 600	NA	N/A		Skid Mounted	Tested once quarterly
3TO-PU-0029	O FD-135B-03-02	CP >= 600	NA	N/A		Skid Mounted	Tested once quarterly

OCONEE NUCLEAR STATION

AIA - AUXILIARY INSTRUMENT AIR

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1AIA-IV-0128		SA	Category AC	CK	Yes	NA	N/A			Full Stroke (Open)	Tested once quarterly
										Full Stroke (Closed)	Tested once quarterly
										Leak Test - ASME OM (Accident Direction)	Tested once every two years
1AIA-IV-0136		SA	Category AC	CK	Yes	NA	N/A			Full Stroke (Closed)	Tested once quarterly
										Full Stroke (Open)	Tested once quarterly
										Leak Test - ASME OM (Accident Direction)	Tested once every two years
2AIA-IV-0128		SA	Category AC	CK	Yes	NA	N/A			Leak Test - ASME OM (Accident Direction)	Tested once every two years
										Full Stroke (Open)	Tested once every two years
										Full Stroke (Closed)	Tested once every two years
2AIA-IV-0136		SA	Category AC	CK	Yes	NA	N/A			Leak Test - ASME OM (Accident Direction)	Tested once every two years
										Full Stroke (Open)	Tested once every two years
										Full Stroke (Closed)	Tested once every two years

OCONEE NUCLEAR STATION

AIA - AUXILIARY INSTRUMENT AIR

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
3AIA-IV-0128		SA	Category AC	CK	Yes	NA	N/A			Full Stroke (Open)	Tested once quarterly
										Full Stroke (Closed)	Tested once quarterly
										Leak Test - ASME OM (Accident Direction)	Tested once every two years
3AIA-IV-0136		SA	Category AC	CK	Yes	NA	N/A			Full Stroke (Open)	Tested once quarterly
										Full Stroke (Closed)	Tested once quarterly
										Leak Test - ASME OM (Accident Direction)	Tested once every two years

OCONEE NUCLEAR STATION

AS - AUXILIARY STEAM

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1AS-1	O FD-128A-01-01	SA	Category C	CK	Yes	NA	N/A			Partial Stroke (Open)	Tested every refueling outage
1AS-39	O FD-122A-01-04	SA	Category C	CK	Yes	NA	3			1AS-39 - Full Stroke (Open)	Tested once quarterly
										1AS-39 - Sample Disassembly (Opn to Cls)	Disassemble one valve per group each RFO
2AS-1	O FD-128A-02-01	SA	Category C	CK	Yes	NA	N/A			Partial Stroke (Open)	Tested every refueling outage
2AS-39	O FD-122A-02-04	SA	Category C	CK	Yes	NA	3			2AS-39 - Full Stroke (Open)	Tested once quarterly
										2AS-39 - Sample Disassembly (Opn to Cls)	Disassemble one valve per group each RFO
3AS-1	O FD-128A-03-01	SA	Category C	CK	Yes	NA	N/A			Partial Stroke (Open)	Tested every refueling outage
3AS-39	O FD-122A-03-04	SA	Category C	CK	Yes	NA	3			3AS-39 - Full Stroke (Open)	Tested once quarterly
										3AS-39 - Sample Disassembly (Opn to Cls)	Disassemble one valve per group each RFO

OCONEE NUCLEAR STATION

BS - BUILDING SPRAY (REACTOR)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1BS-1	O FD-103A-01-01	ML	Category B	GL	Yes	NA	2			1BS-1 - Stroke Time (Open to Closed)	Tested once quarterly
1BS-IV-0001		MA	Category B		No		3			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1BS-2	O FD-103A-01-01	ML	Category B	GL	Yes	NA	2			1BS-2 - Stroke Time (Open to Closed)	Tested once quarterly
1BS-IV-0002		MA	Category B		No		3			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1BS-IV-0003		MA	Category B		No		3			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1BS-IV-0004		MA	Category B		No		3			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1BS-IV-0005		MA	Category B		No		3			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1BS-IV-0006		MA	Category B		No		3			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1BS-IV-0007		MA	Category B		No		3			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1BS-IV-0008		MA	Category B		No		3			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage

OCONEE NUCLEAR STATION

BS - BUILDING SPRAY (REACTOR)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1BS-IV-0009		MA	Category B		No		3			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1BS-IV-0010		MA	Category B		No		3			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1BS-IV-0011		MA	Category B		No		3			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1BS-IV-0012		MA	Category B		No		3			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1BS-IV-0013		MA	Category B		No		3			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
2BS-1	O FD-103A-02-01	ML	Category B	GL	Yes	NA	2			2BS-1 - Stroke Time (Open to Closed)	Tested once quarterly
2BS-IV-0001		MA	Category B		No		3			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
2BS-2	O FD-103A-02-01	ML	Category B	GL	Yes	NA	2			2BS-2 - Stroke Time (Open to Closed)	Tested once quarterly
2BS-IV-0003		MA	Category B		No		3			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
2BS-IV-0004		MA	Category B		No		3			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage

OCONEE NUCLEAR STATION

BS - BUILDING SPRAY (REACTOR)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
2BS-IV-0005		MA	Category B		No		3			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
2BS-IV-0007		MA	Category B		No		3			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
2BS-IV-0008		MA	Category B		No		3			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
2BS-IV-0009		MA	Category B		No		3			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
2BS-IV-0010		MA	Category B		No		3			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
2BS-IV-0011		MA	Category B		No		3			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
2BS-IV-0012		MA	Category B		No		3			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
2BS-IV-0013		MA	Category B		No		3			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
2BS-IV-0052		MA	Category B		No		3			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
2BS-IV-0053		MA	Category B		No		3			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage

OCONEE NUCLEAR STATION

BS - BUILDING SPRAY (REACTOR)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
3BS-1	O FD-103A-03-01	ML	Category B	GL	Yes	NA	2			3BS-1 - Stroke Time (Open to Closed)	Tested once quarterly
3BS-IV-0001		MA	Category B		No		3			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
3BS-2	O FD-103A-03-01	ML	Category B	GL	Yes	NA	2			3BS-2 - Stroke Time (Open to Closed)	Tested once quarterly
3BS-IV-0002		MA	Category B		No		3			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
3BS-IV-0003		MA	Category B		No		3			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
3BS-IV-0004		MA	Category B		No		3			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
3BS-IV-0005		MA	Category B		No		3			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
3BS-IV-0006		MA	Category B		No		3			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
3BS-IV-0007		MA	Category B		No		3			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
3BS-IV-0008		MA	Category B		No		3			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage

OCONEE NUCLEAR STATION

BS - BUILDING SPRAY (REACTOR)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
3BS-IV-0009		MA	Category B		No		3			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
3BS-IV-0010		MA	Category B		No		3			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
3BS-IV-0011		MA	Category B		No		3			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
3BS-IV-0012		MA	Category B		No		3			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
3BS-IV-0013		MA	Category B		No		3			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage

OCONEE NUCLEAR STATION

C - CONDENSATE

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1C-156	O FD-121A-01-07	ML	Category B	GA	No	NA	3			1C-156 - Stroke Time (Opn to Cls)	Tested every cold shutdown
1C-157	O FD-121A-01-08	MA	Category B	GA	Yes	NA	3			1C-157 - Full Stroke (Open)	Tested every refueling outage
										1C-157 - Full Stroke (Closed)	Tested every refueling outage
1C-391	O FD-121A-01-08	ML	Category B	GA	No	NA	3			1C-391 - Manual Stroke of Electric Valve (Open)	Tested every refueling outage
										1C-391 - Stroke Time (Cls to Opn)	Tested every cold shutdown
1C-573	O FD-121A-01-08	MA	Category B	GA	Yes	NA	3			Manual Stroke Time (Closed)	Tested once every two years
2C-156	O FD-121A-02-07	ML	Category B	GA	No	NA	2			2C-156 - Stroke Time (Opn to Cls)	Tested every cold shutdown
2C-157	O FD-121A-02-08	MA	Category B	GA	Yes	NA	3			2C-157 - Full Stroke (Open)	Tested every refueling outage
										2C-157 - Full Stroke (Closed)	Tested every refueling outage
2C-391	O FD-121A-02-08	ML	Category B	GA	No	NA	3			2C-391 - Manual Stroke of Electric Valve (Open)	Tested every refueling outage
										2C-391 - Stroke Time (Cls to Opn)	Tested every cold shutdown

OCONEE NUCLEAR STATION

C - CONDENSATE

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
2C-573	O FD-121A-02-08	MA	Category B	GA	Yes	NA	3			Manual Stroke Time (Closed)	Tested once every two years
3C-156	O FD-121A-03-07	ML	Category B	GA	No	NA	2			3C-156 - Stroke Time (Opn to Cls)	Tested every cold shutdown
3C-157	O FD-121A-03-08	MA	Category B	GA	Yes	NA	3			3C-157 - Full Stroke (Open)	Tested every refueling outage
										3C-157 - Full Stroke (Closed)	Tested every refueling outage
3C-391	O FD-121A-03-08	ML	Category B	GA	No	NA	3			3C-391 - Manual Stroke of Electric Valve (Open)	Tested every refueling outage
										3C-391 - Stroke Time (Cls to Opn)	Tested every cold shutdown
3C-573	O FD-121A-03-08	MA	Category B	GA	Yes	NA	3			Manual Stroke Time (Closed)	Tested once every two years

OCONEE NUCLEAR STATION

CC - COMPONENT COOLING

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1CC-7	O FD-144A-01-02	ML	Category A	BF	Yes	NA	2			Stroke Time (Closed to Open)	Tested every cold shutdown
1CC-8	O FD-144A-01-02	AO	Category A	BF	Yes	NA	2			Fast Acting Stroke Time (Closed to Open)	Tested every cold shutdown
										Stroke Time (Closed to Open)	Tested every cold shutdown
1CC-21	O FD-144A-01-02	MA	Category A	GL	No	NA	2			1CC-21 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1CC-22	O FD-144A-01-02	MA	Category A	GL	No	NA	2			1CC-22 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1CC-23	O FD-144A-01-02	MA	Category A	GL	No	NA	2			1CC-23 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1CC-27	O FD-144A-01-02	SA	Category C	RV	No	NA	N/A			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
1CC-28	O FD-144A-01-02	SA	Category C	RV	No	NA	3			1CC-28 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
1CC-32	O FD-144A-01-02	SA	Category C	RV	No	NA	3			1CC-32 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
1CC-36	O FD-144A-01-02	SA	Category C	RV	No	NA	3			1CC-36 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
1CC-40	O FD-144A-01-02	SA	Category C	RV	No	NA	3			1CC-40 - Relief Valve Test (Cls to	Test relief valve per

OCONEE NUCLEAR STATION

CC - COMPONENT COOLING

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Opn)	OM-1 schedule
1CC-54	O FD-144A-01-02	MA	Category A	GA	No	NA	2			1CC-54 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1CC-55	O FD-144A-01-02	MA	Category A	GA	No	NA	2			1CC-55 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1CC-56	O FD-144A-01-02	MA	Category A	GL	No	NA	2			1CC-56 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1CC-80	O FD-144A-01-03	MA	Category A	BV	No	NA	2			1CC-80 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1CC-81	O FD-144A-01-03	MA	Category A	BV	No	NA	2			1CC-81 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1CC-82	O FD-144A-01-03	MA	Category A	BV	No	NA	2			1CC-82 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1CC-98	O FD-144A-01-02	MA	Category A	GL	No	NA	2			1CC-98 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1CC-99	O FD-144A-01-02	MA	Category A	GL	No	NA	2			1CC-99 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
2CC-7	O FD-144A-02-02	ML	Category A	BF	Yes	NA	2			Stroke Time (Closed to Open)	Tested every cold shutdown
2CC-8	O FD-144A-02-02	AO	Category A	BF	Yes	NA	2			Fast Acting Stroke Time (Closed to	Tested every cold shutdown

OCONEE NUCLEAR STATION

CC - COMPONENT COOLING

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Open)	
										Stroke Time (Closed to Open)	Tested every cold shutdown
2CC-21	O FD-144A-02-02	MA	Category A	GL	No	NA	2			2CC-21 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
2CC-22	O FD-144A-02-02	MA	Category A	GL	No	NA	2			2CC-22 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
2CC-23	O FD-144A-02-02	MA	Category A	GL	No	NA	2			2CC-23 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
2CC-54	O FD-144A-02-02	MA	Category A	GL	No	NA	2			2CC-54 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
2CC-55	O FD-144A-02-02	MA	Category A	GL	No	NA	2			2CC-55 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
2CC-56	O FD-144A-02-02	MA	Category A	GL	No	NA	2			2CC-56 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
2CC-80	O FD-144A-02-03	MA	Category A	GL	No	NA	2			2CC-80 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
2CC-81	O FD-144A-02-03	MA	Category A	GL	No	NA	2			2CC-81 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
2CC-82	O FD-144A-02-03	MA	Category A	GL	No	NA	2			2CC-82 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage

OCONEE NUCLEAR STATION

CC - COMPONENT COOLING

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
3CC-7	O FD-144A-03-02	ML	Category A	BF	Yes	NA	2			Stroke Time (Closed to Open)	Tested every cold shutdown
3CC-8	O FD-144A-03-02	AO	Category A	BF	Yes	NA	2			Stroke Time (Closed to Open)	Tested every cold shutdown
3CC-21	O FD-144A-03-02	MA	Category A	BV	No	NA	2			3CC-21 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
3CC-22	O FD-144A-03-02	MA	Category A	GL	No	NA	2			3CC-22 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
3CC-54	O FD-144A-03-02	MA	Category A	BV	No	NA	2			3CC-54 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
3CC-55	O FD-144A-03-02	MA	Category A	GL	No	NA	2			3CC-55 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
3CC-56	O FD-144A-03-02	MA	Category A	GA	No	NA	2			3CC-56 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
3CC-80	O FD-144A-03-03	MA	Category A	BV	No	NA	2			3CC-80 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
3CC-82	O FD-144A-03-03	MA	Category A	BV	No	NA	2			3CC-82 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage

OCONEE NUCLEAR STATION

CCW - CONDENSER CIRCULATING WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
CCW-8	O FD-133A-03-02	ML	Category B	BF	Yes	NA	3			CCW-8 - Stroke Time (Open to Closed)	Tested once quarterly
										CCW-8 - Stroke Time (Closed to Open)	Tested once quarterly
										CCW-8 - Position Indicator (Open)	Tested once every two years
										CCW-8 - Position Indicator (Closed)	Tested once every two years
CCW-9	O FD-133A-03-02	MO	Category B	BF	No	NA	3			CCW-9 - Stroke Time (Cls to Opn)	Tested once quarterly
										CCW-9 - Position Indicator (Open)	Tested once every two years
										CCW-9 - Position Indicator (Closed)	Tested once every two years
CCW-99	O FD-121D-01-02	MA	Category B	BF	Yes	NA	3			CCW-99 - Full Stroke (Open)	Tested once quarterly
										CCW-99 - Full Stroke (Closed)	Tested once quarterly
										Manual Stroke Time (Open)	Tested once every two years
CCW-100	O FD-121D-01-02	SA	Category C	CK	Yes	NA	3			CCW-100 - Sample Disassembly (Cls to Opn)	Disassemble one valve per group each RFO
CCW-101	O FD-121D-01-02	MA	Category B	GA	Yes	NA	3			CCW-101 - Full Stroke (Open)	Tested every refueling outage

OCONEE NUCLEAR STATION

CCW - CONDENSER CIRCULATING WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										CCW-101 - Full Stroke (Closed)	Tested every refueling outage
										Manual Stroke Time (Open)	Tested once every two years
CCW-247	O FD-121D-01-02	MA	Category B	GL	Yes	NA	3			CCW-247 - Full Stroke (Open)	Tested once quarterly
										CCW-247 - Full Stroke (Closed)	Tested once quarterly
										Manual Stroke Time (Open)	Tested once every two years
CCW-270	O FD-133A-02-05	MA	Category A	BV	No		3			Leak Test - ASME OM (Accident Direction)	Tested once quarterly
CCW-273	O FD-133A-02-05	MA	Category A	BV	No		3			Leak Test - ASME OM (Accident Direction)	Tested once quarterly
CCW-277	O FD-133A-02-05	SA	Category C	3W	Yes	NA	3			CCW-277 - Full Stroke (Open)	Tested once yearly
CCW-280	O FD-133A-02-05	SA	Category C	3W	Yes	NA	3			CCW-280 - Full Stroke (Open)	Tested once yearly
CCW-286	O FD-133A-02-05	MA	Category B	GA	Yes	NA	3			Manual Stroke Time (Closed)	Tested once every two years
CCW-309	O FD-121D-01-02	MA	Category B	GL	Yes	NA	3			CCW-309 - Full Stroke (Open)	Tested every refueling outage

OCONEE NUCLEAR STATION

CCW - CONDENSER CIRCULATING WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										CCW-309 - Full Stroke (Closed)	Tested every refueling outage
CCW-312	O FD-133A-02-05	SA	Category C	CK	Yes	NA	N/A			Full Stroke (Closed)	Tested once quarterly
CCW-313	O FD-133A-02-05	SA	Category C	CK	Yes	NA	N/A			Full Stroke (Closed)	Tested once quarterly
CCW-384	O FD-133A-02-05	MA	Category B	GA	Yes	NA	3			Manual Stroke Time (Open)	Tested once every two years
CCW-460	O FD-133A-01-01	MA	Category B	GA	Yes	NA	3			Full Stroke (Open)	Tested once every two years
										Full Stroke (Closed)	Tested once every two years
										Manual Stroke Time (Closed)	Tested once every two years
1CCW-1	O FD-133A-01-02	ML	Category B	BF	No	NA	3			1CCW-1 - Stroke Time (Cls to Opn)	Tested once quarterly
										1CCW-1 - Position Indicator (Open)	Tested once every two years
										1CCW-1 - Position Indicator (Closed)	Tested once every two years
1CCW-2	O FD-133A-01-02	ML	Category B	BF	No	NA	3			1CCW-2 - Stroke Time (Cls to Opn)	Tested once quarterly

OCONEE NUCLEAR STATION

CCW - CONDENSER CIRCULATING WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										1CCW-2 - Position Indicator (Open)	Tested once every two years
										1CCW-2 - Position Indicator (Closed)	Tested once every two years
1CCW-3	O FD-133A-01-02	ML	Category B	BF	No	NA	3			1CCW-3 - Stroke Time (Cls to Opn)	Tested once quarterly
										1CCW-3 - Position Indicator (Open)	Tested once every two years
										1CCW-3 - Position Indicator (Closed)	Tested once every two years
1CCW-4	O FD-133A-01-02	ML	Category B	BF	No	NA	3			1CCW-4 - Stroke Time (Cls to Opn)	Tested once quarterly
										1CCW-4 - Position Indicator (Open)	Tested once every two years
										1CCW-4 - Position Indicator (Closed)	Tested once every two years
1CCW-5	O FD-133A-01-02	ML	Category B	BF	No	NA	3			1CCW-5 - Stroke Time (Cls to Opn)	Tested once quarterly
										1CCW-5 - Position Indicator (Open)	Tested once every two years
										1CCW-5 - Position Indicator (Closed)	Tested once every two years
1CCW-6	O FD-133A-01-02	ML	Category B	BF	No	NA	3			1CCW-6 - Stroke Time (Cls to Opn)	Tested once quarterly

OCONEE NUCLEAR STATION

CCW - CONDENSER CIRCULATING WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										1CCW-6 - Position Indicator (Open)	Tested once every two years
										1CCW-6 - Position Indicator (Closed)	Tested once every two years
1CCW-20	O FD-133A-01-02	AO	Category B	BF	Yes	NA	N/A			1CCW-20 - Stroke Time (Opn to Cls)	Tested every cold shutdown
1CCW-21	O FD-133A-01-02	AO	Category B	BF	Yes	NA	N/A			1CCW-21 - Stroke Time (Opn to Cls)	Tested every cold shutdown
1CCW-22	O FD-133A-01-02	AO	Category B	BF	Yes	NA	N/A			1CCW-22 - Stroke Time (Opn to Cls)	Tested every cold shutdown
1CCW-23	O FD-133A-01-02	AO	Category B	BF	Yes	NA	N/A			1CCW-23 - Stroke Time (Opn to Cls)	Tested every cold shutdown
1CCW-24	O FD-133A-01-02	AO	Category B	BF	Yes	NA	N/A			1CCW-24 - Stroke Time (Opn to Cls)	Tested every cold shutdown
1CCW-25	O FD-133A-01-02	AO	Category B	BF	Yes	NA	N/A			1CCW-25 - Stroke Time (Opn to Cls)	Tested every cold shutdown
1CCW-30	O FD-133A-01-05	MA	Category B	BF	Yes	NA	N/A			Manual Stroke Time (Open)	Tested once every two years
										1CCW-30 - Full Stroke (Open)	Tested every refueling outage
1CCW-31	O FD-133A-01-02	MA	Category B	BF	Yes	NA	N/A			Manual Stroke Time (Open)	Tested once every two years

OCONEE NUCLEAR STATION

CCW - CONDENSER CIRCULATING WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										1CCW-31 - Full Stroke (Open)	Tested every refueling outage
1CCW-32	O FD-133A-01-02	MA	Category B	BF	Yes	NA	N/A			Manual Stroke Time (Open)	Tested once every two years
										1CCW-32 - Full Stroke (Open)	Tested every refueling outage
1CCW-49	O FD-133A-01-04	MA	Category B	BF	No	NA	NA			1CCW-49 - Full Stroke (Open)	Tested every refueling outage
1CCW-55	O FD-133A-01-04	MA	Category B	BF	No	NA	NA			1CCW-55 - Full Stroke (Open)	Tested every refueling outage
1CCW-61	O FD-133A-01-04	MA	Category B	BF	No	NA	NA			1CCW-61 - Full Stroke (Open)	Tested every refueling outage
1CCW-67	O FD-133A-01-04	MA	Category B	BF	No	NA	NA			1CCW-67 - Full Stroke (Open)	Tested every refueling outage
1CCW-68	O FD-133A-01-02	MA	Category B	BF	No	NA	NA			1CCW-68 - Full Stroke (Closed)	Tested every refueling outage
1CCW-69	O FD-133A-01-02	MA	Category B	BF	No	NA	NA			1CCW-69 - Full Stroke (Closed)	Tested every refueling outage
1CCW-75	O FD-133A-01-03	MA	Category B	BF	No	NA	3			1CCW-75 - Full Stroke (Closed)	Tested every refueling outage
1CCW-78	O FD-133A-01-03	MA	Category B	BF	No	NA	NA			1CCW-78 - Full Stroke (Open)	Tested every refueling outage

OCONEE NUCLEAR STATION

CCW - CONDENSER CIRCULATING WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1CCW-79	O FD-133A-01-03	MA	Category B	BF	No	NA	NA			1CCW-79 - Full Stroke (Open)	Tested every refueling outage
1CCW-86	O FD-133A-01-03	MA	Category B	BF	No	NA	NA			1CCW-86 - Full Stroke (Open)	Tested every refueling outage
1CCW-104	O FD-121D-01-02	MA	Category B	GA	Yes	NA	3			Manual Stroke Time (Open)	Tested once every two years
										1CCW-104 - Full Stroke (Open)	Tested every refueling outage
										1CCW-104 - Full Stroke (Closed)	Tested every refueling outage
1CCW-105	O FD-121D-01-02	SA	Category C	CK	Yes	NA	2			1CCW-105 - Sample Disassembly (CIs to Opn)	Disassemble one valve per group each RFO
1CCW-108	O FD-121D-01-02	MA	Category B	GA	Yes	NA	3			Manual Stroke Time (Open)	Tested once every two years
										1CCW-108 - Full Stroke (Open)	Tested every refueling outage
										1CCW-108 - Full Stroke (Closed)	Tested every refueling outage
1CCW-265	O FD-121D-01-02	MA	Category B	GA	Yes	NA	3			1CCW-265 - Full Stroke (Open)	Tested every refueling outage
										1CCW-265 - Full	Tested every

OCONEE NUCLEAR STATION

CCW - CONDENSER CIRCULATING WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Stroke (Closed)	refueling outage
1CCW-321	O FD-121D-01-02	SA	Category C	CK	Yes	NA	3			1CCW-321 - Sample Disassembly (Cls to Opn)	Disassemble one valve per group each RFO
2CCW-7	O FD-133A-02-02	ML	Category B	BF	No	NA	3			2CCW-7 - Stroke Time (Cls to Opn)	Tested once quarterly
										2CCW-7 - Position Indicator (Open)	Tested once every two years
										2CCW-7 - Position Indicator (Closed)	Tested once every two years
2CCW-20	O FD-133A-02-02	AO	Category B	BF	Yes	NA	N/A			2CCW-20 - Stroke Time (Opn to Cls)	Tested every cold shutdown
2CCW-21	O FD-133A-02-02	AO	Category B	BF	Yes	NA	N/A			2CCW-21 - Stroke Time (Opn to Cls)	Tested every cold shutdown
2CCW-22	O FD-133A-02-02	AO	Category B	BF	Yes	NA	N/A			2CCW-22 - Stroke Time (Opn to Cls)	Tested every cold shutdown
2CCW-23	O FD-133A-02-02	AO	Category B	BF	Yes	NA	N/A			2CCW-23 - Stroke Time (Opn to Cls)	Tested every cold shutdown
2CCW-24	O FD-133A-02-02	AO	Category B	BF	Yes	NA	N/A			2CCW-24 - Stroke Time (Opn to Cls)	Tested every cold shutdown
2CCW-25	O FD-133A-02-02	AO	Category B	BF	Yes	NA	N/A			2CCW-25 - Stroke Time (Opn to Cls)	Tested every cold shutdown

OCONEE NUCLEAR STATION

CCW - CONDENSER CIRCULATING WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
2CCW-26	O FD-133A-02-01	MA	Category B	BF	Yes	NA	3			2CCW-26 - Full Stroke (Closed)	Tested once quarterly
2CCW-28	O FD-133A-02-01	MA	Category B	BF	Yes	NA	3			2CCW-28 - Full Stroke (Closed)	Tested once quarterly
2CCW-30	O FD-133A-02-01	MA	Category B	BF	Yes	NA	N/A			2CCW-30 - Full Stroke (Open)	Tested every refueling outage
										Manual Stroke Time (Open)	Tested once every two years
2CCW-31	O FD-133A-02-02	MA	Category B	BF	Yes	NA	N/A			2CCW-31 - Full Stroke (Open)	Tested every refueling outage
										Manual Stroke Time (Open)	Tested once every two years
2CCW-32	O FD-133A-02-02	MA	Category B	BF	Yes	NA	N/A			2CCW-32 - Full Stroke (Open)	Tested every refueling outage
										Manual Stroke Time (Open)	Tested once every two years
2CCW-70	O FD-133A-01-04	MA	Category B	BF	No	NA	NA			2CCW-70 - Full Stroke (Closed)	Tested every refueling outage
2CCW-71	O FD-133A-02-02	MA	Category B	BF	No	NA	NA			2CCW-71 - Full Stroke (Closed)	Tested every refueling outage
2CCW-75	O FD-133A-02-03	MA	Category B	BF	Yes	NA	3			2CCW-75 - Full Stroke (Open)	Tested every refueling outage

OCONEE NUCLEAR STATION

CCW - CONDENSER CIRCULATING WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										2CCW-75 - Full Stroke (Closed)	Tested every refueling outage
										Manual Stroke Time (Open)	Tested once every two years
2CCW-78	O FD-133A-02-03	MA	Category B	BF	Yes	NA	N/A			2CCW-78 - Full Stroke (Open)	Tested every refueling outage
										Manual Stroke Time (Open)	Tested once every two years
2CCW-79	O FD-133A-02-03	MA	Category B	BF	Yes	NA	N/A			2CCW-79 - Full Stroke (Open)	Tested every refueling outage
										Manual Stroke Time (Open)	Tested once every two years
2CCW-86	O FD-133A-02-03	MA	Category B	BF	Yes	NA	N/A			2CCW-86 - Full Stroke (Open)	Tested every refueling outage
										Manual Stroke Time (Open)	Tested once every two years
2CCW-87	O FD-133A-02-03	MA	Category B	BF	Yes	NA	N/A			Manual Stroke Time (Open)	Tested once every two years
										Full Stroke (Closed)	Tested once every two years
										Full Stroke (Open)	Tested once every two years
2CCW-112	O FD-121D-01-02	MA	Category B	GA	Yes	NA	3			2CCW-112 - Full Stroke (Open)	Tested every refueling outage

OCONEE NUCLEAR STATION

CCW - CONDENSER CIRCULATING WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										2CCW-112 - Full Stroke (Closed)	Tested every refueling outage
										Manual Stroke Time (Open)	Tested once every two years
2CCW-113	O FD-121D-01-02	SA	Category C	CK	Yes	NA	2			2CCW-113 - Sample Disassembly (CIs to Opn)	Disassemble one valve per group each RFO
2CCW-116	O FD-121D-01-02	MA	Category B	GA	Yes	NA	3			2CCW-116 - Full Stroke (Open)	Tested every refueling outage
										2CCW-116 - Full Stroke (Closed)	Tested every refueling outage
										Manual Stroke Time (Open)	Tested once every two years
2CCW-152	O FD-121D-01-02	SA	Category C	CK	Yes	NA	2			2CCW-152 - Sample Disassembly (CIs to Opn)	Disassemble one valve per group each RFO
2CCW-265	O FD-121D-01-02	MA	Category B	GA	Yes	NA	3			2CCW-265 - Full Stroke (Open)	Tested every refueling outage
										2CCW-265 - Full Stroke (Closed)	Tested every refueling outage
2CCW-516	O FD-121D-01-02	MA	Category B	BV	Yes		3			Full Stroke (Open)	Tested once every two years
										Full Stroke (Closed)	Tested once every two years

OCONEE NUCLEAR STATION

CCW - CONDENSER CIRCULATING WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
3CCW-20	O FD-133A-03-02	AO	Category B	BF	Yes	NA	N/A			3CCW-20 - Stroke Time (Opn to Cls)	Tested every cold shutdown
3CCW-21	O FD-133A-03-02	AO	Category B	BF	Yes	NA	N/A			3CCW-21 - Stroke Time (Opn to Cls)	Tested every cold shutdown
3CCW-22	O FD-133A-03-02	AO	Category B	BF	Yes	NA	N/A			3CCW-22 - Stroke Time (Opn to Cls)	Tested every cold shutdown
3CCW-23	O FD-133A-03-02	AO	Category B	BF	Yes	NA	N/A			3CCW-23 - Stroke Time (Opn to Cls)	Tested every cold shutdown
3CCW-24	O FD-133A-03-02	AO	Category B	BF	Yes	NA	N/A			3CCW-24 - Stroke Time (Opn to Cls)	Tested every cold shutdown
3CCW-25	O FD-133A-03-02	AO	Category B	BF	Yes	NA	N/A			3CCW-25 - Stroke Time (Opn to Cls)	Tested every cold shutdown
3CCW-30	O FD-133A-03-04	MA	Category B	BF	Yes	NA	N/A			3CCW-30 - Full Stroke (Open)	Tested every refueling outage
										Manual Stroke Time (Open)	Tested once every two years
3CCW-31	O FD-133A-03-02	MA	Category B	BF	Yes	NA	N/A			3CCW-31 - Full Stroke (Open)	Tested every refueling outage
										Manual Stroke Time (Open)	Tested once every two years
3CCW-32	O FD-133A-03-02	MA	Category B	BF	Yes	NA	N/A			3CCW-32 - Full Stroke (Open)	Tested every refueling outage

OCONEE NUCLEAR STATION

CCW - CONDENSER CIRCULATING WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Manual Stroke Time (Open)	Tested once every two years
3CCW-33	O FD-133A-03-04	MA	Category B	BF	Yes	NA	N/A			3CCW-33 - Full Stroke (Open)	Tested every refueling outage
										Manual Stroke Time (Open)	Tested once every two years
3CCW-75	O FD-133A-03-03	MA	Category B	BF	No	NA	3			3CCW-75 - Full Stroke (Closed)	Tested every refueling outage
3CCW-78	O FD-133A-03-03	MA	Category B	BF	No	NA	NA			3CCW-78 - Full Stroke (Open)	Tested every refueling outage
3CCW-79	O FD-133A-03-03	MA	Category B	BF	No	NA	NA			3CCW-79 - Full Stroke (Open)	Tested every refueling outage
3CCW-86	O FD-133A-03-03	MA	Category B	BF	No	NA	NA			3CCW-86 - Full Stroke (Open)	Tested every refueling outage
3CCW-93	O FD-133A-03-02	ML	Category B	BF	No	NA	3			3CCW-93 - Stroke Time (Cls to Opn)	Tested once quarterly
										3CCW-93 - Position Indicator (Open)	Tested once every two years
										3CCW-93 - Position Indicator (Closed)	Tested once every two years

OCONEE NUCLEAR STATION

CCW - CONDENSER CIRCULATING WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
3CCW-120	O FD-121D-01-02	MA	Category B	GA	Yes	NA	3			3CCW-120 - Full Stroke (Open)	Tested every refueling outage
										3CCW-120 - Full Stroke (Closed)	Tested every refueling outage
										Manual Stroke Time (Open)	Tested once every two years
3CCW-121	O FD-121D-01-02 O FD-121D-03-01	SA	Category C	CK	Yes	NA	2			3CCW-121 - Sample Disassembly (Cls to Opn)	Disassemble one valve per group each RFO
3CCW-124	O FD-121D-01-02	MA	Category B	GA	Yes	NA	3			3CCW-124 - Full Stroke (Open)	Tested every refueling outage
										3CCW-124 - Full Stroke (Closed)	Tested every refueling outage
										Manual Stroke Time (Open)	Tested once every two years
3CCW-254	O FD-121D-01-02	SA	Category C	CK	Yes	NA	3			3CCW-254 - Sample Disassembly (Cls to Opn)	Disassemble one valve per group each RFO
3CCW-265	O FD-121D-01-02	MA	Category B	GA	Yes	NA	3			3CCW-265 - Full Stroke (Open)	Tested every refueling outage
										3CCW-265 - Full Stroke (Closed)	Tested every refueling outage
3CCW-342	O FD-133A-03-01	MA	Category B	GA	No	NA	NA			3CCW-342 - Full Stroke (Closed)	Tested every refueling outage

OCONEE NUCLEAR STATION

CCW - CONDENSER CIRCULATING WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency

OCONEE NUCLEAR STATION

CF - CORE FLOOD

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1CF-1	O FD-102A-01-03	ML	Category B	GA	No	NA	2			1CF-1 - Stroke Time (Opn to Cls)	Tested every cold shutdown
1CF-2	O FD-102A-01-03	ML	Category B	GA	No	NA	2			1CF-2 - Stroke Time (Opn to Cls)	Tested every cold shutdown
1CF-41	O FD-127B-01-02	MA	Category A	GL	No	NA	2			1CF-41 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1CF-43	O FD-127B-01-02	MA	Category A	GL	No	NA	2			1CF-43 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1CF-45	O FD-127B-01-02	MA	Category A	GL	No	NA	2			1CF-45 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1CF-47	O FD-127B-01-02	MA	Category A	GA	No	NA	2			1CF-47 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
2CF-1	O FD-102A-02-03	ML	Category B	GA	No	NA	2			2CF-1 - Stroke Time (Opn to Cls)	Tested every cold shutdown
2CF-2	O FD-102A-02-03	ML	Category B	GA	No	NA	2			2CF-2 - Stroke Time (Opn to Cls)	Tested every cold shutdown
2CF-41	O FD-127B-02-02	MA	Category A	GA	No	NA	2			2CF-41 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
2CF-43	O FD-127B-02-02	MA	Category A	GL	No	NA	2			2CF-43 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage

OCONEE NUCLEAR STATION

CF - CORE FLOOD

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
2CF-45	O FD-127B-02-02	MA	Category A	GL	No	NA	2			2CF-45 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
2CF-47	O FD-127B-02-02	MA	Category A	GA	No	NA	2			2CF-47 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
3CF-1	O FD-102A-03-03	ML	Category B	GA	No	NA	2			3CF-1 - Stroke Time (Opn to Cls)	Tested every cold shutdown
3CF-2	O FD-102A-03-03	ML	Category B	GA	No	NA	2			3CF-2 - Stroke Time (Opn to Cls)	Tested every cold shutdown
3CF-41	O FD-127B-03-02	MA	Category A	GA	No	NA	2			3CF-41 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
3CF-43	O FD-127B-03-02	MA	Category A	GL	No	NA	2			3CF-43 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
3CF-45	O FD-127B-03-02	MA	Category A	GL	No	NA	2			3CF-45 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
3CF-47	O FD-127B-03-02	MA	Category A	GA	No	NA	2			3CF-47 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage

OCONEE NUCLEAR STATION

CS - COOLANT STORAGE

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1CS-17	O FD-107A-01-01	MA	Category A	GL	No	NA	2			1CS-17 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1CS-18	O FD-107A-01-01	MA	Category A	GL	No	NA	2			1CS-18 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
1CS-19	O FD-107A-01-01	MA	Category A	GL	No	NA	2			1CS-19 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1CS-24	O FD-107A-01-02	MA	Category A	GL	No	NA	2			1CS-24 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1CS-25	O FD-107A-01-02	MA	Category A	GL	No	NA	2			1CS-25 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1CS-46	O FD-106A-01-01	AO	Category B	DP	No	NA	NA			1CS-46 - Stroke Time (Cls to Opn)	Tested once quarterly
										1CS-46 - Position Indicator (Open)	Tested once every two years
										1CS-46 - Position Indicator (Closed)	Tested once every two years
1CS-56	O FD-106A-01-01	AO	Category B	DP	No	NA	NA			1CS-56 - Stroke Time (Cls to Opn)	Tested once quarterly
										1CS-56 - Position Indicator (Open)	Tested once every two years
										1CS-56 - Position Indicator (Closed)	Tested once every two years

OCONEE NUCLEAR STATION

CS - COOLANT STORAGE

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1CS-73	O FD-101A-01-02	SA	Category C	CK	No	NA	NA			1CS-73 - Full Stroke (Open)	Tested once quarterly
2CS-17	O FD-107A-02-01	MA	Category A	BV	No	NA	2			2CS-17 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
2CS-18	O FD-107A-02-01	MA	Category A	GL	No	NA	2			2CS-18 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
2CS-24	O FD-107A-02-02	MA	Category A	GL	No	NA	2			2CS-24 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
2CS-25	O FD-107A-02-02	MA	Category A	GL	No	NA	2			2CS-25 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
2CS-46	O FD-106A-02-01	AO	Category B	DP	No	NA	NA			2CS-46 - Stroke Time (Cls to Opn)	Tested once quarterly
										2CS-46 - Position Indicator (Open)	Tested once every two years
										2CS-46 - Position Indicator (Closed)	Tested once every two years
2CS-56	O FD-106A-02-01	AO	Category B	DP	No	NA	NA			2CS-56 - Stroke Time (Cls to Opn)	Tested once quarterly
										2CS-56 - Position Indicator (Open)	Tested once every two years
										2CS-56 - Position Indicator (Closed)	Tested once every two years

OCONEE NUCLEAR STATION

CS - COOLANT STORAGE

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
2CS-73	O FD-101A-02-02	SA	Category C	CK	No	NA	NA			Full Stroke (Open)	Tested once quarterly
3CS-17	O FD-107A-03-01	MA	Category A	GL	No	NA	2			3CS-17 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
3CS-18	O FD-107A-03-01	MA	Category A	GL	No	NA	2			3CS-18 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
3CS-24	O FD-107A-03-02	MA	Category A	GL	No	NA	2			3CS-24 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
3CS-25	O FD-107A-03-02	MA	Category A	GL	No	NA	2			3CS-25 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
3CS-46	O FD-106A-03-01	AO	Category B	DP	No	NA	NA			3CS-46 - Stroke Time (Cls to Opn)	Tested once quarterly
										3CS-46 - Position Indicator (Open)	Tested once every two years
										3CS-46 - Position Indicator (Closed)	Tested once every two years
3CS-56	O FD-106A-03-01	AO	Category B	DP	No	NA	NA			3CS-56 - Stroke Time (Cls to Opn)	Tested once quarterly
										3CS-56 - Position Indicator (Open)	Tested once every two years
										3CS-56 - Position Indicator (Closed)	Tested once every two years

OCONEE NUCLEAR STATION

CS - COOLANT STORAGE

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
3CS-73	O FD-101A-03-02	SA	Category C	CK	No	NA	NA			3CS-73 - Full Stroke (Open)	Tested once quarterly
3CS-193	O FD-106A-03-02	SA	Category C	CK	Yes	NA	NA			3CS-193 - Full Stroke (Open)	Tested once quarterly

OCONEE NUCLEAR STATION

DA - DIESEL STARTING AIR (SSF)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
DA-3	O FD-137D-01-01	SA	Category C	CK	Yes	NA	3			DA-3 - Leak Test - ASME OM (Accident Direction)	Tested once every two years
										DA-3 - Full Stroke (Closed)	Tested once quarterly
DA-8	O FD-137D-01-01	SA	Category C	CK	Yes	NA	3			DA-8 - Leak Test - ASME OM (Accident Direction)	Tested once every two years
										DA-8 - Full Stroke (Closed)	Tested once quarterly
DA-13	O FD-137D-01-02	SA	Category C	CK	Yes	NA	3			DA-13 - Leak Test - ASME OM (Accident Direction)	Tested once every two years
										DA-13 - Full Stroke (Closed)	Tested once quarterly
DA-18	O FD-137D-01-02	SA	Category C	CK	Yes	NA	3			DA-18 - Leak Test - ASME OM (Accident Direction)	Tested once every two years
										DA-18 - Full Stroke (Closed)	Tested once quarterly
DA-25	O FD-137D-01-01	AO	Category B	GL	Yes	NA	3			DA-25 - Full Stroke (Open)	Tested once quarterly
DA-26	O FD-137D-01-01	SA	Category C	CK	Yes	NA	3			DA-26 - Full Stroke (Open)	Tested once quarterly
DA-27	O FD-137D-01-01	SO	Category B	GL	Yes	NA	3			DA-27 - Full Stroke (Open)	Tested once quarterly

OCONEE NUCLEAR STATION

DA - DIESEL STARTING AIR (SSF)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
DA-28	O FD-137D-01-01	SA	Category C	CK	Yes	NA	3			DA-28 - Full Stroke (Open)	Tested once quarterly
DA-31	O FD-137D-01-01	AO	Category B	GL	Yes	NA	3			DA-31 - Full Stroke (Open)	Tested once quarterly
DA-32	O FD-137D-01-01	SA	Category C	CK	Yes	NA	3			DA-32 - Full Stroke (Open)	Tested once quarterly
DA-33	O FD-137D-01-01	SO	Category B	GL	Yes	NA	3			DA-33 - Full Stroke (Open)	Tested once quarterly
DA-34	O FD-137D-01-01	SA	Category C	CK	Yes	NA	3			DA-34 - Full Stroke (Open)	Tested once quarterly
DA-37	O FD-137D-01-02	AO	Category B	GL	Yes	NA	3			DA-37 - Full Stroke (Open)	Tested once quarterly
DA-38	O FD-137D-01-02	SA	Category C	CK	Yes	NA	3			DA-38 - Full Stroke (Open)	Tested once quarterly
DA-39	O FD-137D-01-02	SO	Category B	GL	Yes	NA	3			DA-39 - Full Stroke (Open)	Tested once quarterly
DA-40	O FD-137D-01-02	SA	Category C	CK	Yes	NA	3			DA-40 - Full Stroke (Open)	Tested once quarterly
DA-43	O FD-137D-01-02	AO	Category B	GL	Yes	NA	3			DA-43 - Full Stroke (Open)	Tested once quarterly
DA-44	O FD-137D-01-02	SA	Category C	CK	Yes	NA	3			DA-44 - Full Stroke	Tested once

OCONEE NUCLEAR STATION

DA - DIESEL STARTING AIR (SSF)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										(Open)	quarterly
DA-45	O FD-137D-01-02	SO	Category B	GL	Yes	NA	3			DA-45 - Full Stroke (Open)	Tested once quarterly
DA-46	O FD-137D-01-02	SA	Category C	CK	Yes	NA	3			DA-46 - Full Stroke (Open)	Tested once quarterly

OCONEE NUCLEAR STATION

DJW - DIESEL JACK COOLING WTR (SSF)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
DJW-1	O FD-138A-01-01	SA	Category C	3W	Yes	NA	3			DJW-1 - Full Stroke (Open)	Tested once quarterly
										DJW-1 - Full Stroke (Closed)	Tested once quarterly
DJW-3	O FD-138A-01-01	SA	Category C	3W	Yes	NA	3			DJW-3 - Full Stroke (Open)	Tested once quarterly
										DJW-3 - Full Stroke (Closed)	Tested once quarterly
DJW-5	O FD-138A-01-01	SA	Category C	RV	No	NA	3			DJW-5 - Relief Valve Test (Cls to Opn)	No Periodic Test Required
DJW-6	O FD-138A-01-01	SA	Category C	RV	No	NA	3			DJW-6 - Relief Valve Test (Cls to Opn)	No Periodic Test Required

OCONEE NUCLEAR STATION

DLO - DIESEL LUBE OIL (SSF)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
DLO-1	O FD-135B-01-04	SA	Category C	CK	Yes	NA	3			DLO-1 - Full Stroke (Open)	Tested once quarterly
										DLO-1 - Full Stroke (Closed)	Tested once quarterly
DLO-2	O FD-135B-01-04	SA	Category C	CK	Yes	NA	3			DLO-2 - Full Stroke (Open)	Tested once quarterly
										DLO-2 - Full Stroke (Closed)	Tested once quarterly
DLO-7	O FD-135B-01-04	SA	Category C	CK	Yes	NA	3			DLO-7 - Full Stroke (Open)	Tested once quarterly
										DLO-7 - Full Stroke (Closed)	Tested once quarterly
DLO-8	O FD-135B-01-04	SA	Category C	CK	Yes	NA	3			DLO-8 - Full Stroke (Open)	Tested once quarterly
										DLO-8 - Full Stroke (Closed)	Tested once quarterly
DLO-9	O FD-135B-01-04	SA	Category C	CK	Yes	NA	3			DLO-9 - Full Stroke (Open)	Tested once quarterly
										DLO-9 - Full Stroke (Closed)	Tested once quarterly
DLO-10	O FD-135B-01-04	SA	Category C	CK	Yes	NA	3			DLO-10 - Full Stroke (Open)	Tested once quarterly
										DLO-10 - Full	Tested once

OCONEE NUCLEAR STATION

DLO - DIESEL LUBE OIL (SSF)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Stroke (Closed)	quarterly
DLO-15	O FD-135B-01-04	SA	Category C	CK	Yes	NA	3			DLO-15 - Full Stroke (Open)	Tested once quarterly
										DLO-15 - Full Stroke (Closed)	Tested once quarterly
DLO-16	O FD-135B-01-04	SA	Category C	CK	Yes	NA	3			DLO-16 - Full Stroke (Open)	Tested once quarterly
										DLO-16 - Full Stroke (Closed)	Tested once quarterly

OCONEE NUCLEAR STATION

DW - DEMINERALIZED WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Activ.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
DW-55	O FD-106E-01-03	MA	Category B	DP	Yes	NA	N/A			Manual Stroke Time (Closed)	Tested once every two years
										Full Stroke (Closed)	Tested once every two years
										Full Stroke (Open)	Tested once every two years

OCONEE NUCLEAR STATION

ESV - ESSENTIAL SIPHON VACUUM (ECCW)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1ESV-28	O FD-130A-01-01	SO	Category B		Yes	NA	3			1ESV-28 - Fast Acting Stroke Time (Closed to Open)	Tested once quarterly
1ESV-29	O FD-130A-01-01	SO	Category B		Yes	NA	3			1ESV-29 - Fast Acting Stroke Time (Closed to Open)	Tested once quarterly
2ESV-28	O FD-130A-02-01	SO	Category B		Yes	NA	3			2ESV-28 - Fast Acting Stroke Time (Closed to Open)	Tested once quarterly
2ESV-29	O FD-130A-02-01	SO	Category B		Yes	NA	3			2ESV-29 - Fast Acting Stroke Time (Closed to Open)	Tested once quarterly
3ESV-28	O FD-130A-03-01	SO	Category B	SV	Yes	NA	3			3ESV-28 - Fast Acting Stroke Time (Closed to Open)	Tested once quarterly
3ESV-29	O FD-130A-03-01	SO	Category B	SV	Yes	NA	3			3ESV-29 - Fast Acting Stroke Time (Closed to Open)	Tested once quarterly

OCONEE NUCLEAR STATION

FDW - FEEDWATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1FDW-31	O FD-121B-01-03	ML	Category B	GA	No	NA	NA			1FDW-31 - Stroke Time (Opn to Cls)	Tested every cold shutdown
										1FDW-31 - Position Indicator (Open)	Tested once every two years
										1FDW-31 - Position Indicator (Closed)	Tested once every two years
1FDW-33	O FD-121B-01-03	ML	Category B	GA	No	NA	3			1FDW-33 - Stroke Time (Opn to Cls)	Tested every cold shutdown
										1FDW-33 - Position Indicator (Open)	Tested once every two years
										1FDW-33 - Position Indicator (Closed)	Tested once every two years
1FDW-36	O FD-121B-01-03	ML	Category B	GA	No	NA	3			1FDW-36 - Stroke Time (Opn to Cls)	Tested every cold shutdown
										1FDW-36 - Position Indicator (Open)	Tested once every two years
										1FDW-36 - Position Indicator (Closed)	Tested once every two years
1FDW-37	O FD-121B-01-03	SA	Category C	CK	Yes	NA	2			1FDW-37 - Acoustic Monitoring (Closed)	Tested every refueling outage
1FDW-38	O FD-121B-01-03	ML	Category B	GA	No	NA	3			1FDW-38 - Stroke Time (Cls to Opn)	Tested every cold shutdown
										1FDW-38 - Position Indicator (Open)	Tested once every two years

OCONEE NUCLEAR STATION

FDW - FEEDWATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										1FDW-38 - Position Indicator (Closed)	Tested once every two years
1FDW-40	O FD-121B-01-03	ML	Category B	GA	No	NA	NA			1FDW-40 - Stroke Time (Opn to Cls)	Tested every cold shutdown
										1FDW-40 - Position Indicator (Open)	Tested once every two years
										1FDW-40 - Position Indicator (Closed)	Tested once every two years
1FDW-42	O FD-121B-01-03	ML	Category B	GA	No	NA	3			1FDW-42 - Stroke Time (Opn to Cls)	Tested every cold shutdown
										1FDW-42 - Position Indicator (Open)	Tested once every two years
										1FDW-42 - Position Indicator (Closed)	Tested once every two years
1FDW-45	O FD-121B-01-03	ML	Category B	GA	No	NA	3			1FDW-45 - Stroke Time (Opn to Cls)	Tested every cold shutdown
										1FDW-45 - Position Indicator (Open)	Tested once every two years
										1FDW-45 - Position Indicator (Closed)	Tested once every two years
1FDW-46	O FD-121B-01-03	SA	Category C	CK	Yes	NA	2			1FDW-46 - Acoustic Monitoring (Closed)	Tested every refueling outage
1FDW-47	O FD-121B-01-03	ML	Category B	GA	No	NA	3			1FDW-47 - Stroke Time (Cls to Opn)	Tested every cold shutdown

OCONEE NUCLEAR STATION

FDW - FEEDWATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										1FDW-47 - Position Indicator (Open)	Tested once every two years
										1FDW-47 - Position Indicator (Closed)	Tested once every two years
1FDW-48	O FD-121D-01-01	SA	Category C	CK	Yes	NA	3			1FDW-48 - Full Stroke (Open)	Tested every refueling outage
1FDW-86	O FD-121D-01-01	SA	Category C	RG	Yes	NA	NA			1FDW-86 - Full Stroke (Open)	Tested once quarterly
1FDW-87	O FD-121D-01-01	SA	Category C	RG	Yes	NA	NA			1FDW-87 - Full Stroke (Open)	Tested once quarterly
1FDW-91	O FD-121D-01-01	SA	Category C	CK	Yes	NA	NA			1FDW-91 - Full Stroke (Open)	Tested once quarterly
1FDW-93	O FD-121D-01-01	SA	Category C	CK	No	NA	3			1FDW-93 - Full Stroke (Open)	Tested every refueling outage
1FDW-94	O FD-121D-01-01	MA	Category B	GA	No	NA	3			1FDW-94 - Full Stroke (Open)	Tested every refueling outage
										1FDW-94 - Full Stroke (Closed)	Tested every refueling outage
1FDW-95	O FD-121D-01-01	SA	Category C	CK	No	NA	3			1FDW-95 - Full Stroke (Open)	Tested every refueling outage
1FDW-96	O FD-121D-01-01	MA	Category B	GA	No	NA	3			1FDW-96 - Full Stroke (Open)	Tested every refueling outage

OCONEE NUCLEAR STATION

FDW - FEEDWATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										1FDW-96 - Full Stroke (Closed)	Tested every refueling outage
1FDW-99	O FD-121D-01-01	SA	Category C	CK	No	NA	3			1FDW-99 - Full Stroke (Open)	Tested every refueling outage
1FDW-101	O FD-121D-01-01	SA	Category C	CK	No	NA	3			1FDW-101 - Full Stroke (Open)	Tested every refueling outage
1FDW-129	O FD-121D-01-01	SA	Category C	CV	Yes	NA	NA			1FDW-129 - Full Stroke (Open)	Tested once quarterly
1FDW-218	O FD-121D-01-01	SA	Category C	RG	Yes	NA	NA			1FDW-218 - Full Stroke (Open)	Tested once quarterly
1FDW-313	O FD-121D-01-01	MA	Category B	GA	Yes	NA	3			Manual Stroke Time (Open)	Tested once every two years
1FDW-314	O FD-121D-01-01	MA	Category B	GA	Yes	NA	3			Manual Stroke Time (Open)	Tested once every two years
1FDW-315	O FD-121D-01-01	AO	Category B	GL	Yes	NA	3			Full Stroke (Closed)	Tested once every two years
										Full Stroke (Open)	Tested once every two years
1FDW-316	O FD-121D-01-01	AO	Category B	GL	Yes	NA	3			Full Stroke (Closed)	Tested once every two years
										Full Stroke (Open)	Tested once every two years

OCONEE NUCLEAR STATION

FDW - FEEDWATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1FDW-368	O FD-121D-01-01	MR	Category B	GA	No	NA	3			1FDW-368 - Stroke Time (Opn to Cls)	Tested once quarterly
1FDW-369	O FD-121D-01-01	MR	Category B	GA	No	NA	3			1FDW-369 - Stroke Time (Opn to Cls)	Tested once quarterly
1FDW-372	O FD-121D-01-01	MR	Category B	GA	No	NA	3			1FDW-372 - Stroke Time (Opn to Cls)	Tested once quarterly
1FDW-374	O FD-121D-01-01	MR	Category B	GA	No	NA	3			1FDW-374 - Stroke Time (Cls to Opn)	Tested once quarterly
										1FDW-374 - Position Indicator (Open)	Tested once every two years
										1FDW-374 - Position Indicator (Closed)	Tested once every two years
1FDW-375	O FD-121D-01-01	SA	Category C	CK	No	NA	3			1FDW-375 - Full Stroke (Open)	Tested every refueling outage
1FDW-382	O FD-121D-01-01	MR	Category B	GA	No	NA	3			1FDW-382 - Stroke Time (Opn to Cls)	Tested once quarterly
1FDW-384	O FD-121D-01-01	MR	Category B	GA	No	NA	3			1FDW-384 - Stroke Time (Cls to Opn)	Tested once quarterly
										1FDW-384 - Position Indicator (Open)	Tested once every two years

OCONEE NUCLEAR STATION

FDW - FEEDWATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										1FDW-384 - Position Indicator (Closed)	Tested once every two years
1FDW-385	O FD-121D-01-01	SA	Category C	CK	No	NA	3			1FDW-385 - Full Stroke (Open)	Tested every refueling outage
2FDW-31	O FD-121B-02-03	ML	Category B	GA	No	NA	NA			2FDW-31 - Stroke Time (Opn to Cls)	Tested every cold shutdown
										2FDW-31 - Position Indicator (Open)	Tested once every two years
										2FDW-31 - Position Indicator (Closed)	Tested once every two years
2FDW-33	O FD-121B-02-03	ML	Category B	GA	No	NA	3			2FDW-33 - Stroke Time (Opn to Cls)	Tested every cold shutdown
										2FDW-33 - Position Indicator (Open)	Tested once every two years
										2FDW-33 - Position Indicator (Closed)	Tested once every two years
2FDW-36	O FD-121B-02-03	ML	Category B	GA	No	NA	3			2FDW-36 - Stroke Time (Opn to Cls)	Tested every cold shutdown
										2FDW-36 - Position Indicator (Open)	Tested once every two years
										2FDW-36 - Position Indicator (Closed)	Tested once every two years
2FDW-37	O FD-121B-02-03	SA	Category C	CK	Yes	NA	2			Full Stroke (Closed)	Tested every refueling outage

OCONEE NUCLEAR STATION

FDW - FEEDWATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
2FDW-38	O FD-121B-02-03	ML	Category B	GA	No	NA	3			2FDW-38 - Stroke Time (Cls to Opn)	Tested every cold shutdown
										2FDW-38 - Position Indicator (Open)	Tested once every two years
										2FDW-38 - Position Indicator (Closed)	Tested once every two years
2FDW-40	O FD-121B-02-03	ML	Category B	GA	No	NA	NA			2FDW-40 - Stroke Time (Opn to Cls)	Tested every cold shutdown
										2FDW-40 - Position Indicator (Open)	Tested once every two years
										2FDW-40 - Position Indicator (Closed)	Tested once every two years
2FDW-42	O FD-121B-02-03	ML	Category B	GA	No	NA	3			2FDW-42 - Stroke Time (Opn to Cls)	Tested every cold shutdown
										2FDW-42 - Position Indicator (Open)	Tested once every two years
										2FDW-42 - Position Indicator (Closed)	Tested once every two years
2FDW-45	O FD-121B-02-03	ML	Category B	GA	No	NA	3			2FDW-45 - Stroke Time (Opn to Cls)	Tested every cold shutdown
										2FDW-45 - Position Indicator (Open)	Tested once every two years
										2FDW-45 - Position	Tested once every

OCONEE NUCLEAR STATION

FDW - FEEDWATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Indicator (Closed)	two years
2FDW-46	O FD-121B-02-03	SA	Category C	CK	Yes	NA	2			Full Stroke (Closed)	Tested every refueling outage
2FDW-47	O FD-121B-02-03	ML	Category B	GA	No	NA	3			2FDW-47 - Stroke Time (Cls to Opn)	Tested every cold shutdown
										2FDW-47 - Position Indicator (Open)	Tested once every two years
										2FDW-47 - Position Indicator (Closed)	Tested once every two years
2FDW-48	O FD-121D-02-01	SA	Category C	CK	Yes	NA	3			2FDW-48 - Full Stroke (Open)	Tested every refueling outage
2FDW-86	O FD-121D-02-01	SA	Category C	RG	Yes	NA	NA			2FDW-86 - Full Stroke (Open)	Tested once quarterly
2FDW-87	O FD-121D-02-01	SA	Category C	RG	Yes	NA	NA			2FDW-87 - Full Stroke (Open)	Tested once quarterly
2FDW-91	O FD-121D-02-01	SA	Category C	CK	Yes	NA	NA			2FDW-91 - Full Stroke (Open)	Tested once quarterly
2FDW-93	O FD-121D-02-01	SA	Category C	CK	No	NA	3			2FDW-93 - Full Stroke (Open)	Tested every refueling outage
2FDW-94	O FD-121D-02-01	MA	Category B	GA	No	NA	3			2FDW-94 - Full Stroke (Open)	Tested every refueling outage

OCONEE NUCLEAR STATION

FDW - FEEDWATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										2FDW-94 - Full Stroke (Closed)	Tested every refueling outage
2FDW-95	O FD-121D-02-01	SA	Category C	CK	No	NA	3			2FDW-95 - Full Stroke (Open)	Tested every refueling outage
2FDW-96	O FD-121D-02-01	MA	Category B	GA	No	NA	3			2FDW-96 - Full Stroke (Open)	Tested every refueling outage
										2FDW-96 - Full Stroke (Closed)	Tested every refueling outage
2FDW-99	O FD-121D-02-01	SA	Category C	CK	No	NA	3			2FDW-99 - Full Stroke (Open)	Tested every refueling outage
2FDW-101	O FD-121D-02-01	SA	Category C	CK	No	NA	3			2FDW-101 - Full Stroke (Open)	Tested every refueling outage
2FDW-129	O FD-121D-02-01	SA	Category C	CV	Yes	NA	NA			2FDW-129 - Full Stroke (Open)	Tested once quarterly
2FDW-218	O FD-121D-02-01	SA	Category C	RG	Yes	NA	NA			2FDW-218 - Full Stroke (Open)	Tested once quarterly
2FDW-313	O FD-121D-02-01	MA	Category B	GA	Yes	NA	3			Manual Stroke Time (Open)	Tested once every two years
2FDW-314	O FD-121D-02-01	MA	Category B	GA	Yes	NA	3			Manual Stroke Time (Open)	Tested once every two years
2FDW-315	O FD-121D-02-01	AO	Category B	CV	Yes	NA	3			Full Stroke (Closed)	Tested once every two years

OCONEE NUCLEAR STATION

FDW - FEEDWATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Full Stroke (Open)	Tested once every two years
2FDW-316	O FD-121D-02-01	AO	Category B	CV	Yes	NA	3			Full Stroke (Closed)	Tested once every two years
										Full Stroke (Open)	Tested once every two years
2FDW-368	O FD-121D-02-01	MR	Category B	GA	No	NA	3			2FDW-368 - Stroke Time (Opn to Cls)	Tested once quarterly
2FDW-369	O FD-121D-02-01	MR	Category B	GA	No	NA	3			2FDW-369 - Stroke Time (Opn to Cls)	Tested once quarterly
2FDW-372	O FD-121D-02-01	MR	Category B	GA	No	NA	3			2FDW-372 - Stroke Time (Opn to Cls)	Tested once quarterly
2FDW-374	O FD-121D-02-01	MR	Category B	GA	No	NA	3			2FDW-374 - Stroke Time (Cls to Opn)	Tested once quarterly
										2FDW-374 - Position Indicator (Open)	Tested once every two years
										2FDW-374 - Position Indicator (Closed)	Tested once every two years
2FDW-375	O FD-121D-02-01	SA	Category C	CK	No	NA	3			2FDW-375 - Full Stroke (Open)	Tested every refueling outage

OCONEE NUCLEAR STATION

FDW - FEEDWATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
2FDW-382	O FD-121D-02-01	MR	Category B	GA	No	NA	3			2FDW-382 - Stroke Time (Opn to Cls)	Tested once quarterly
2FDW-384	O FD-121D-02-01	MR	Category B	GA	No	NA	3			2FDW-384 - Stroke Time (Cls to Opn)	Tested once quarterly
										2FDW-384 - Position Indicator (Open)	Tested once every two years
										2FDW-384 - Position Indicator (Closed)	Tested once every two years
2FDW-385	O FD-121D-02-01	SA	Category C	CK	No	NA	3			2FDW-385 - Full Stroke (Open)	Tested every refueling outage
3FDW-31	O FD-121B-03-03	ML	Category B	GA	No	NA	NA			3FDW-31 - Stroke Time (Opn to Cls)	Tested every cold shutdown
										3FDW-31 - Position Indicator (Open)	Tested once every two years
										3FDW-31 - Position Indicator (Closed)	Tested once every two years
3FDW-33	O FD-121B-03-03	ML	Category B	GA	No	NA	3			3FDW-33 - Stroke Time (Opn to Cls)	Tested every cold shutdown
										3FDW-33 - Position Indicator (Open)	Tested once every two years
										3FDW-33 - Position Indicator (Closed)	Tested once every two years

OCONEE NUCLEAR STATION

FDW - FEEDWATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
3FDW-36	O FD-121B-03-03	ML	Category B	GA	No	NA	3			3FDW-36 - Stroke Time (Opn to Cls)	Tested every cold shutdown
										3FDW-36 - Position Indicator (Open)	Tested once every two years
										3FDW-36 - Position Indicator (Closed)	Tested once every two years
3FDW-37	O FD-121B-03-03	SA	Category C	CK	Yes	NA	2			3FDW-37 - Acoustic Monitoring (Closed)	Tested every refueling outage
3FDW-38	O FD-121B-03-03	ML	Category B	GA	No	NA	3			3FDW-38 - Stroke Time (Cls to Opn)	Tested every cold shutdown
										3FDW-38 - Position Indicator (Open)	Tested once every two years
										3FDW-38 - Position Indicator (Closed)	Tested once every two years
3FDW-40	O FD-121B-03-03	ML	Category B	GA	No	NA	NA			3FDW-40 - Stroke Time (Opn to Cls)	Tested every cold shutdown
										3FDW-40 - Position Indicator (Open)	Tested once every two years
										3FDW-40 - Position Indicator (Closed)	Tested once every two years
3FDW-42	O FD-121B-03-03	ML	Category B	GA	No	NA	3			3FDW-42 - Stroke Time (Opn to Cls)	Tested every cold shutdown
										3FDW-42 - Position Indicator (Open)	Tested once every two years

OCONEE NUCLEAR STATION

FDW - FEEDWATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										3FDW-42 - Position Indicator (Closed)	Tested once every two years
3FDW-45	O FD-121B-03-03	ML	Category B	GA	No	NA	3			3FDW-45 - Stroke Time (Opn to Cls)	Tested every cold shutdown
										3FDW-45 - Position Indicator (Open)	Tested once every two years
										3FDW-45 - Position Indicator (Closed)	Tested once every two years
3FDW-46	O FD-121B-03-03	SA	Category C	CK	Yes	NA	2			3FDW-46 - Acoustic Monitoring (Closed)	Tested every refueling outage
3FDW-47	O FD-121B-03-03	ML	Category B	GA	No	NA	3			3FDW-47 - Stroke Time (Cls to Opn)	Tested every cold shutdown
										3FDW-47 - Position Indicator (Open)	Tested once every two years
										3FDW-47 - Position Indicator (Closed)	Tested once every two years
3FDW-48	O FD-121D-03-01	SA	Category C	CK	Yes	NA	3			3FDW-48 - Full Stroke (Open)	Tested every refueling outage
3FDW-86	O FD-121D-03-01	SA	Category C	RG	Yes	NA	NA			3FDW-86 - Full Stroke (Open)	Tested once quarterly
3FDW-87	O FD-121D-03-01	SA	Category C	RG	Yes	NA	NA			3FDW-87 - Full Stroke (Open)	Tested once quarterly
3FDW-91	O FD-121D-03-01	SA	Category C	CK	Yes	NA	NA			3FDW-91 - Full	Tested once

OCONEE NUCLEAR STATION

FDW - FEEDWATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Stroke (Open)	quarterly
3FDW-93	O FD-121D-03-01	SA	Category C	CK	No	NA	3			3FDW-93 - Full Stroke (Open)	Tested every refueling outage
3FDW-94	O FD-121D-03-01	MA	Category B	GA	No	NA	3			3FDW-94 - Full Stroke (Open)	Tested every refueling outage
										3FDW-94 - Full Stroke (Closed)	Tested every refueling outage
3FDW-95	O FD-121D-03-01 O FD-122A-03-04	SA	Category C	CK	No	NA	3			3FDW-95 - Full Stroke (Open)	Tested every refueling outage
3FDW-96	O FD-121D-03-01	MA	Category B	GA	No	NA	3			3FDW-96 - Full Stroke (Open)	Tested every refueling outage
										3FDW-96 - Full Stroke (Closed)	Tested every refueling outage
3FDW-99	O FD-121D-03-01	SA	Category C	CK	No	NA	3			3FDW-99 - Full Stroke (Open)	Tested every refueling outage
3FDW-101	O FD-121D-03-01	SA	Category C	CK	No	NA	3			3FDW-101 - Full Stroke (Open)	Tested every refueling outage
3FDW-129	O FD-121D-03-01	SA	Category C	RG	Yes	NA	NA			3FDW-129 - Full Stroke (Open)	Tested once quarterly
3FDW-218	O FD-121D-03-01	SA	Category C	RG	Yes	NA	NA			3FDW-218 - Full Stroke (Open)	Tested once quarterly

OCONEE NUCLEAR STATION

FDW - FEEDWATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
3FDW-313	O FD-121D-03-01	MA	Category B	GA	Yes	NA	3			Manual Stroke Time (Open)	Tested once every two years
3FDW-314	O FD-121D-03-01	MA	Category B	GA	Yes	NA	3			Manual Stroke Time (Open)	Tested once every two years
3FDW-315	O FD-121D-03-01	AO	Category B	GL	Yes	NA	3			Full Stroke (Closed)	Tested once every two years
										Full Stroke (Open)	Tested once every two years
3FDW-316	O FD-121D-03-01	AO	Category B	GL	Yes	NA	3			Full Stroke (Closed)	Tested once every two years
										Full Stroke (Open)	Tested once every two years
3FDW-346	O FD-121D-03-01	SA	Category C	CK	Yes	NA	2			3FDW-346 - Full Stroke (Open)	Condition Monitoring
3FDW-368	O FD-121D-03-01	MR	Category B	GA	No	NA	3			3FDW-368 - Stroke Time (Opn to Cls)	Tested once quarterly
3FDW-369	O FD-121D-03-01	MR	Category B	GA	No	NA	3			3FDW-369 - Stroke Time (Opn to Cls)	Tested once quarterly
3FDW-372	O FD-121D-03-01	MR	Category B	GA	No	NA	3			3FDW-372 - Stroke Time (Opn to Cls)	Tested once quarterly

OCONEE NUCLEAR STATION

FDW - FEEDWATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
3FDW-374	O FD-121D-03-01	MR	Category B	GA	No	NA	3			3FDW-374 - Stroke Time (Cls to Opn)	Tested once quarterly
										3FDW-374 - Position Indicator (Open)	Tested once every two years
										3FDW-374 - Position Indicator (Closed)	Tested once every two years
3FDW-375	O FD-121D-03-01	SA	Category C	CK	No	NA	3			3FDW-375 - Full Stroke (Open)	Tested every refueling outage
3FDW-382	O FD-121D-03-01	MR	Category B	GA	No	NA	3			3FDW-382 - Stroke Time (Opn to Cls)	Tested once quarterly
3FDW-384	O FD-121D-03-01	MR	Category B	GA	No	NA	3			3FDW-384 - Stroke Time (Cls to Opn)	Tested once quarterly
										3FDW-384 - Position Indicator (Open)	Tested once every two years
										3FDW-384 - Position Indicator (Closed)	Tested once every two years
3FDW-385	O FD-121D-03-01	SA	Category C	CK	No	NA	3			3FDW-385 - Full Stroke (Open)	Tested every refueling outage

OCONEE NUCLEAR STATION

FO - FUEL OIL

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
FO-78	O FD-135A-01-02	SA	Category C	CK	Yes	NA	3			FO-78 - Full Stroke (Open)	Tested once quarterly
										FO-78 - Full Stroke (Closed)	Tested once quarterly
FO-79	O FD-135A-01-02	SA	Category C	CK	Yes	NA	3			FO-79 - Full Stroke (Open)	Tested once quarterly
										FO-79 - Full Stroke (Closed)	Tested once quarterly
FO-80	O FD-135A-01-02	SA	Category C	CK	Yes	NA	3			FO-80 - Full Stroke (Open)	Tested once quarterly
										FO-80 - Full Stroke (Closed)	Tested once quarterly
FO-81	O FD-135A-01-02	SA	Category C	CK	Yes	NA	3			FO-81 - Full Stroke (Open)	Tested once quarterly
										FO-81 - Full Stroke (Closed)	Tested once quarterly
FO-82	O FD-135A-01-02	SA	Category C	CK	Yes	NA	3			FO-82 - Full Stroke (Open)	Tested once quarterly
										FO-82 - Full Stroke (Closed)	Tested once quarterly
FO-83	O FD-135A-01-02	SA	Category C	CK	Yes	NA	3			FO-83 - Full Stroke (Open)	Tested once quarterly
										FO-83 - Full Stroke	Tested once

OCONEE NUCLEAR STATION

FO - FUEL OIL

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										(Closed)	quarterly
FO-84	O FD-135A-01-02	SA	Category C	CK	Yes	NA	3			FO-84 - Full Stroke (Open)	Tested once quarterly
										FO-84 - Full Stroke (Closed)	Tested once quarterly
FO-89	O FD-135A-01-02	SA	Category C	CK	Yes	NA	3			FO-89 - Full Stroke (Open)	Tested once quarterly
										FO-89 - Full Stroke (Closed)	Tested once quarterly
FO-90	O FD-135A-01-02	SA	Category C	CK	Yes	NA	3			FO-90 - Full Stroke (Open)	Tested once quarterly
										FO-90 - Full Stroke (Closed)	Tested once quarterly
FO-91	O FD-135A-01-02	SA	Category C	CK	Yes	NA	3			FO-91 - Full Stroke (Open)	Tested once quarterly
										FO-91 - Full Stroke (Closed)	Tested once quarterly
FO-92	O FD-135A-01-02	SA	Category C	CK	Yes	NA	3			FO-92 - Full Stroke (Open)	Tested once quarterly
										FO-92 - Full Stroke (Closed)	Tested once quarterly
FO-93	O FD-135A-01-02	SA	Category C	CK	Yes	NA	3			FO-93 - Full Stroke (Open)	Tested once quarterly

OCONEE NUCLEAR STATION

FO - FUEL OIL

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										FO-93 - Full Stroke (Closed)	Tested once quarterly
FO-94	O FD-135A-01-02	SA	Category C	CK	Yes	NA	3			FO-94 - Full Stroke (Open)	Tested once quarterly
										FO-94 - Full Stroke (Closed)	Tested once quarterly
FO-95	O FD-135A-01-02	SA	Category C	CK	Yes	NA	3			FO-95 - Full Stroke (Open)	Tested once quarterly
										FO-95 - Full Stroke (Closed)	Tested once quarterly

OCONEE NUCLEAR STATION

FW - FILTERED WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
FW-15	O FD-126A-01-01	MA	Category B	BF	Yes	NA	N/A			Full Stroke (Open)	Tested once every two years
										Full Stroke (Closed)	Tested once every two years
										Manual Stroke Time (Closed)	Tested once every two years

OCONEE NUCLEAR STATION

GBO - TURBINE GUIDE BEARING OIL

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1GBO-1	K FD-101A-01-01	SA	Category C	CK	Yes	NA	3			Skid Mounted	Tested once quarterly
1GBO-3	K FD-101A-01-01	SA	Category C	CK	Yes	NA	3			Skid Mounted	Tested once quarterly
2GBO-1	K FD-101A-02-01	SA	Category C	CK	Yes	NA	3			Skid Mounted	Tested once quarterly
2GBO-3	K FD-101A-02-01	SA	Category C	CK	Yes	NA	3			Skid Mounted	Tested once quarterly

OCONEE NUCLEAR STATION

GWD - GASEOUS WASTE DISPOSAL

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1GWD-10	O FD-107A-01-01	MA	Category A	GL	No	NA	2			1GWD-10 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
1GWD-11	O FD-107A-01-01	MA	Category A	GL	No	NA	2			1GWD-11 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
2GWD-10	O FD-107A-02-01	MA	Category A	GL	No	NA	2			2GWD-10 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
2GWD-11	O FD-107A-02-01	MA	Category A	GL	No	NA	2			2GWD-11 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
3GWD-10	O FD-107A-03-01	MA	Category A	GL	No	NA	2			3GWD-10 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
3GWD-11	O FD-107A-03-01	MA	Category A	GA	No	NA	2			3GWD-11 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
HP-48	O FD-109A-01-01	SA	Category C	RV	No	NA	3			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
1HP-16	O FD-101A-01-02	AO	Category B	GA	Yes	NA	3			Fast Acting Stroke Time (Closed to Open)	Tested once quarterly
										1HP-16 - Position Indicator (Open)	Tested once every two years
										1HP-16 - Position Indicator (Closed)	Tested once every two years
1HP-23	O FD-101A-01-02	ML	Category B	GA	No	NA	2			1HP-23 - Stroke Time (Opn to Cls)	Tested every cold shutdown
1HP-24	O FD-101A-01-03	ML	Category B	GA	Yes	NA	2			Manual Stroke Time (Open)	Tested once every two years
										Manual Stroke of Electric Valve (Open)	Tested once every two years
										Manual Stroke of Electric Valve (Closed)	Tested once every two years
1HP-25	O FD-101A-01-03	ML	Category B	GA	Yes	NA	2			Manual Stroke Time (Open)	Tested once every two years
										Manual Stroke of Electric Valve (Open)	Tested once every two years
										Manual Stroke of Electric Valve	Tested once every two years

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										(Closed)	
1HP-26	O FD-101A-01-04	ML	Category B	GL	Yes	NA	2			Manual Stroke Time (Open)	Tested once every two years
										1HP-26 - Manual Stroke Elec Valve (Open)	Tested every refueling outage
										1HP-26 - Manual Stroke Elec Valve (Closed)	Tested every refueling outage
1HP-36	O FD-101A-01-01	MA	Category A	GL	No	NA	2			1HP-36 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1HP-37	O FD-101A-01-01	MA	Category A	GL	No	NA	2			1HP-37 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1HP-38	O FD-101A-01-01	MA	Category A	GL	No	NA	2			1HP-38 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1HP-43	O FD-101A-01-01	SA	Category C	RV	No	NA	3			1HP-43 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
1HP-45	O FD-109A-01-01	SA	Category C	RV	No	NA	3			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
1HP-55	O FD-101A-01-02	SA	Category C	RV	No	NA	2			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1HP-56	O FD-101A-01-02	SA	Category C	RV	No	NA	2			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
1HP-68	O FD-101A-01-01	MA	Category A	GL	No	NA	2			1HP-68 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
1HP-69	O FD-101A-01-01	MA	Category A	GL	No	NA	2			1HP-69 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1HP-70	O FD-101A-01-01	MA	Category A	GL	No	NA	2			1HP-70 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1HP-71	O FD-101A-01-01	SA	Category C	RV	No	NA	2			1HP-71 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
1HP-73	O FD-101A-01-01	SA	Category C	RV	No	NA	2			1HP-73 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
1HP-76	O FD-101A-01-01	SA	Category C	RV	No	NA	2			1HP-76 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
1HP-139	O FD-101A-01-04	MA	Category B	GA	Yes	NA	3			Full Stroke (Closed)	Tested once every two years
										Full Stroke (Open)	Tested once every two years
1HP-202	O FD-101A-01-04	MA	Category A	GL	No	NA	2			1HP-202 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1HP-203	O FD-101A-01-04	MA	Category A	GL	No	NA	2			1HP-203 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
1HP-204	O FD-101A-01-04	MA	Category A	GL	No	NA	2			1HP-204 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
1HP-209	O FD-101A-01-04	MA	Category A	GL	No	NA	2			1HP-209 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
1HP-210	O FD-101A-01-04	MA	Category A	GL	No	NA	2			1HP-210 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
1HP-211	O FD-101A-01-04	MA	Category A	GL	No	NA	2			1HP-211 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
1HP-216	O FD-101A-01-04	MA	Category A	GL	No	NA	2			1HP-216 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
1HP-217	O FD-101A-01-04	MA	Category A	GL	No	NA	2			1HP-217 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
1HP-218	O FD-101A-01-04	MA	Category A	GL	No	NA	2			1HP-218 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
1HP-223	O FD-101A-01-04	MA	Category A	GL	No	NA	2			1HP-223 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
1HP-225	O FD-101A-01-04	MA	Category A	GL	No	NA	2			1HP-225 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1HP-252	O FD-101A-01-03	SA	Category C	CK	Yes	NA	2			Partial Stroke (Open)	Condition Monitoring
1HP-302	O FD-101A-01-01	SA	Category C	RV	No	NA	2			1HP-302 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
1HP-355	O FD-101A-01-04	AO	Category B	GL	No	NA	2			1HP-355 - Stroke Time (Open to Closed)	Tested every cold shutdown
										1HP-355 - Stroke Time (Closed to Open)	Tested every cold shutdown
										1HP-355 - Position Indicator (Open)	Tested once every two years
										1HP-355 - Position Indicator (Closed)	Tested once every two years
1HP-417	O FD-101A-01-05	ML	Category A	GL	No	NA	2			1HP-417 - Position Indicator (Closed)	Tested once every two years
										Stroke Time (Closed to Open)	Tested once quarterly
										Position Indicator (Open)	Tested once every two years
1HP-423	O FD-101A-01-05	MA	Category A	GL	No	NA	2			1HP-423 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
1HP-425	O FD-101A-01-05	MA	Category A	GL	No	NA	2			1HP-425 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1HP-472	O FD-101A-01-04	MA	Category B	GA	No	NA	2			1HP-472 - Full Stroke (Open)	Tested every refueling outage
										1HP-472 - Full Stroke (Closed)	Tested every refueling outage
1HP-939	O FD-101A-01-02	ML	Category B	GA	Yes	NA	2			Leak Test - ASME OM (Accident Direction)	Tested once every two years
1HP-940	O FD-101A-01-02	ML	Category B	GA	Yes	NA	2			Leak Test - ASME OM (Accident Direction)	Tested once every two years
2HP-16	O FD-101A-02-02	AO	Category B	GA	Yes	NA	3			2HP-16 - Fast Acting Stroke Time (Closed to Open)	Tested once quarterly
										2HP-16 - Position Indicator (Open)	Tested once every two years
										2HP-16 - Position Indicator (Closed)	Tested once every two years
2HP-23	O FD-101A-02-02	ML	Category B	GA	No	NA	2			2HP-23 - Stroke Time (Opn to Cls)	Tested every cold shutdown
2HP-24	O FD-101A-02-03	ML	Category B	GA	Yes	NA	2			Manual Stroke Time (Open)	Tested once every two years
										Manual Stroke of Electric Valve (Open)	Tested once every two years
2HP-25	O FD-101A-02-03	ML	Category B	GA	Yes	NA	2			Manual Stroke Time (Open)	Tested once every two years

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Manual Stroke of Electric Valve (Open)	Tested once every two years
2HP-26	O FD-101A-02-04	ML	Category B	GL	Yes	NA	2			2HP-26 - Manual Stroke Elec Valve (Open)	Tested every refueling outage
										2HP-26 - Manual Stroke Elec Valve (Closed)	Tested every refueling outage
										Manual Stroke Time (Open)	Tested once every two years
2HP-36	O FD-101A-02-01	MA	Category A	GL	No	NA	2			2HP-36 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
2HP-37	O FD-101A-02-01	MA	Category A	GL	No	NA	2			2HP-37 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
2HP-43	O FD-101A-02-01	SA	Category C	RV	No	NA	3			2HP-43 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
2HP-45	O FD-109A-01-01	SA	Category C	RV	No	NA	3			2HP-45 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
2HP-55	O FD-101A-02-02	SA	Category C	RV	No	NA	2			2HP-55 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
2HP-68	O FD-101A-02-01	MA	Category A	GL	No	NA	2			2HP-68 - Leak Test - Appendix J (Accident	Tested every refueling outage

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Direction)	
2HP-69	O FD-101A-02-01	MA	Category A	GL	No	NA	2			2HP-69 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
2HP-71	O FD-101A-02-01	SA	Category C	RV	No	NA	2			2HP-71 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
2HP-73	O FD-101A-02-01	SA	Category C	RV	No	NA	2			2HP-73 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
2HP-76	O FD-101A-02-01	SA	Category C	RV	No	NA	2			2HP-76 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
2HP-83	O FD-101A-02-01	MA	Category A	GL	No	NA	2			2HP-83 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
2HP-139	O FD-101A-02-04	MA	Category B	GA	Yes	NA	3			Full Stroke (Closed)	Tested once every two years
										Full Stroke (Open)	Tested once every two years
2HP-202	O FD-101A-02-04	MA	Category A	GL	No	NA	2			2HP-202 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
2HP-204	O FD-101A-02-04	MA	Category A	GL	No	NA	2			2HP-204 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
2HP-209	O FD-101A-02-04	MA	Category A	GL	No	NA	2			2HP-209 - Leak Test - Appendix J	Tested every

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										(Reverse Direction)	refueling outage
2HP-211	O FD-101A-02-04	MA	Category A	GL	No	NA	2			2HP-211 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
2HP-216	O FD-101A-02-04	MA	Category A	GL	No	NA	2			2HP-216 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
2HP-218	O FD-101A-02-04	MA	Category A	GL	No	NA	2			2HP-218 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
2HP-223	O FD-101A-02-04	MA	Category A	GL	No	NA	2			2HP-223 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
2HP-225	O FD-101A-02-04	MA	Category A	GL	No	NA	2			2HP-225 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
2HP-252	O FD-101A-02-03	SA	Category AC	CK	Yes	NA	2			Partial Stroke (Open)	Condition Monitoring
2HP-302	O FD-101A-02-01	SA	Category C	RV	No	NA	2			2HP-302 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
2HP-355	O FD-101A-02-04	AO	Category B	GL	No	NA	2			2HP-355 - Stroke Time (Open to Closed)	Tested every cold shutdown
										2HP-355 - Stroke Time (Closed to Open)	Tested every cold shutdown
										2HP-355 - Position Indicator (Open)	Tested once every two years

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										2HP-355 - Position Indicator (Closed)	Tested once every two years
2HP-420	O FD-101A-02-01	MA	Category A	GL	No	NA	2			2HP-420 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
2HP-423	O FD-101A-02-05	MA	Category A	GL	No	NA	2			2HP-423 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
2HP-425	O FD-101A-02-05	MA	Category A	GL	No	NA	2			2HP-425 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
2HP-472	O FD-101A-02-04O	MA	Category B	GA	No	NA	2			2HP-472 - Full Stroke (Open)	Tested every refueling outage
										2HP-472 - Full Stroke (Closed)	Tested every refueling outage
2HP-939	O FD-101A-02-02	ML	Category B	GA	Yes	NA	2			Leak Test - ASME OM (Accident Direction)	Tested every refueling outage
2HP-940	O FD-101A-02-02	ML	Category B	GA	Yes	NA	2			Leak Test - ASME OM (Accident Direction)	Tested every refueling outage
3HP-16	O FD-101A-03-02	AO	Category B	GA	Yes	NA	3			3HP-16 - Fast Acting Stroke Time (Closed to Open)	Tested once quarterly
										3HP-16 - Position Indicator (Open)	Tested once every two years
										3HP-16 - Position Indicator (Closed)	Tested once every two years

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
3HP-23	O FD-101A-03-02	ML	Category B	GA	No	NA	2			3HP-23 - Stroke Time (Opn to Cls)	Tested every cold shutdown
3HP-24	O FD-101A-03-03	ML	Category B	GA	Yes	NA	2			Manual Stroke Time (Open)	Tested once every two years
										Manual Stroke of Electric Valve (Open)	Tested once every two years
3HP-25	O FD-101A-03-03	ML	Category B	GA	Yes	NA	2			Manual Stroke Time (Open)	Tested once every two years
										Manual Stroke of Electric Valve (Open)	Tested once every two years
3HP-26	O FD-101A-03-04	ML	Category B	GL	Yes	NA	2			3HP-26 - Manual Stroke Elec Valve (Open)	Tested every refueling outage
										3HP-26 - Manual Stroke Elec Valve (Closed)	Tested every refueling outage
										Manual Stroke Time (Open)	Tested once every two years
3HP-36	O FD-101A-03-01	MA	Category A	GL	No	NA	2			3HP-36 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
3HP-37	O FD-101A-03-01	MA	Category A	GL	No	NA	2			3HP-37 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
3HP-43	O FD-101A-03-01	SA	Category C	RV	No	NA	3			3HP-43 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
3HP-45	O FD-109A-03-01	SA	Category C	RV	No	NA	3			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
3HP-48	O FD-109A-03-01	SA	Category C	RV	No	NA	3			3HP-48 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
3HP-55	O FD-101A-03-02	SA	Category C	RV	No	NA	2			3HP-55 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
3HP-56	O FD-101A-03-02	SA	Category C	RV	No	NA	2			3HP-56 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
3HP-68	O FD-101A-03-01	MA	Category A	GA	No	NA	2			3HP-68 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
3HP-69	O FD-101A-03-01	MA	Category A	GL	No	NA	2			3HP-69 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
3HP-71	O FD-101A-03-01	SA	Category C	RV	No	NA	2			3HP-71 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
3HP-73	O FD-101A-03-01	SA	Category C	RV	No	NA	2			3HP-73 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule
3HP-76	O FD-101A-03-01	SA	Category C	RV	No	NA	2			3HP-76 - Relief Valve Test (Cls to Opn)	Test relief valve per OM-1 schedule

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Opn)	
3HP-139	O FD-101A-03-04	MA	Category B	GA	Yes	NA	3			Full Stroke (Closed)	Tested once every two years
										Full Stroke (Open)	Tested once every two years
3HP-202	O FD-101A-03-04	MA	Category A	GL	No	NA	2			3HP-202 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
3HP-204	O FD-101A-03-04	MA	Category A	GL	No	NA	2			3HP-204 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
3HP-209	O FD-101A-03-04	MA	Category A	GL	No	NA	2			3HP-209 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
3HP-211	O FD-101A-03-04	MA	Category A	GL	No	NA	2			3HP-211 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
3HP-216	O FD-101A-03-04	MA	Category A	GL	No	NA	2			3HP-216 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
3HP-218	O FD-101A-03-04	MA	Category A	GL	No	NA	2			3HP-218 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
3HP-223	O FD-101A-03-04	MA	Category A	GA	No	NA	2			3HP-223 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
3HP-225	O FD-101A-03-04	MA	Category A	GL	No	NA	2			3HP-225 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
3HP-252	O FD-101A-03-03	SA	Category C	CK	Yes	NA	2			Partial Stroke (Open)	Condition Monitoring
3HP-302	O FD-101A-03-01	SA	Category C	RV	No	NA	2			3HP-302 - Relief Valve Test (CIs to Opn)	Test relief valve per OM-1 schedule
3HP-355	O FD-101A-03-04	AO	Category B	GL	No	NA	2			3HP-355 - Stroke Time (Open to Closed)	Tested every cold shutdown
										3HP-355 - Stroke Time (Closed to Open)	Tested every cold shutdown
										3HP-355 - Position Indicator (Open)	Tested once every two years
										3HP-355 - Position Indicator (Closed)	Tested once every two years
3HP-417	O FD-101A-03-05	ML	Category A	GL	No	NA	2			Position Indicator (Open)	Tested once every two years
3HP-423	O FD-101A-03-05	MA	Category A	GL	No	NA	2			3HP-423 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
3HP-425	O FD-101A-03-05	MA	Category A	GL	No	NA	2			3HP-425 - Leak Test - Appendix J (Accident Directi	Tested every refueling outage
3HP-472	O FD-101A-03-04	MA	Category B	GA	No	NA	2			3HP-472 - Full Stroke (Open)	Tested every refueling outage
										3HP-472 - Full Stroke (Closed)	Tested every refueling outage

OCONEE NUCLEAR STATION

HP - HIGH PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
3HP-939	O FD-101A-03-02	ML	Category B	GA	Yes	NA	2			Leak Test - ASME OM (Accident Direction)	Tested once every two years
3HP-940	O FD-101A-03-02	ML	Category B	GA	Yes	NA	2			Leak Test - ASME OM (Accident Direction)	Tested once every two years

OCONEE NUCLEAR STATION

HPS - HIGH PRESSURE SERVICE WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
HPSW-2	O FD-124C-01-01	SA	Category C	CK	Yes	NA	NA			HPSW-2 - Full Stroke (Open)	Tested once quarterly
										HPSW-2 - Full Stroke (Closed)	Tested once quarterly
										Leak Test - ASME OM (Accident Direction)	Tested once every two years
HPSW-3	O FD-124C-01-01	MA	Category B	BF	No	NA	N/A			Full Stroke (Closed)	Tested once every two years
										Full Stroke (Open)	Tested once every two years
HPSW-5	O FD-124C-01-01	SA	Category C	CK	Yes	NA	NA			HPSW-5 - Full Stroke (Open)	Tested once quarterly
										HPSW-5 - Full Stroke (Closed)	Tested once quarterly
										Leak Test - ASME OM (Accident Direction)	Tested once every two years
HPSW-6	O FD-124C-01-01	MA	Category B	BF	Yes	NA	N/A			Full Stroke (Closed)	Tested once every two years
										Full Stroke (Open)	Tested once every two years
HPSW-8	O FD-124C-01-01	SA	Category C	CK	Yes	NA	NA			HPSW-8 - Full Stroke (Closed)	Tested once quarterly

OCONEE NUCLEAR STATION

HPS - HIGH PRESSURE SERVICE WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Leak Test - ASME OM (Accident Direction)	Tested once every two years
HPSW-9	O FD-124C-01-01	MA	Category B	GA	Yes	NA	N/A			Full Stroke (Closed)	Tested once every two years
										Full Stroke (Open)	Tested once every two years
HPSW-11	O FD-124C-01-01	MA	Category B	BF	Yes	NA	N/A			Full Stroke (Closed)	Tested once every two years
										Full Stroke (Open)	Tested once every two years
HPSW-25	O FD-124C-01-04	SA	Category C	BV	No	NA	NA			HPSW-25 - Full Stroke (Closed)	Tested once quarterly
										HPSW-25 - Full Stroke (Open)	Tested once quarterly
HPSW-408	O FD-124C-01-01	SO	Category B	GA	No	NA	N/A			Full Stroke (Open)	Tested once quarterly
										Leak Test - ASME OM (Accident Direction)	Tested once every two years
HPSW-409	O FD-124C-01-01	SO	Category B	GA	No	NA	N/A			Full Stroke (Open)	Tested once quarterly
										Leak Test - ASME OM (Accident Direction)	Tested once every two years

OCONEE NUCLEAR STATION

HPS - HIGH PRESSURE SERVICE WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
HPSW-902	O FD-124C-01-01	SA	Category C	CK	No	NA	N/A			Full Stroke (Open)	Tested once quarterly
										Leak Test - ASME OM (Accident Direction)	Tested once every two years
HPSW-903	O FD-124C-01-01	SA	Category C	CK	No	NA	N/A			Full Stroke (Open)	Tested once quarterly
										Leak Test - ASME OM (Accident Direction)	Tested once every two years
HPSW-959	O FD-124C-01-02	MA	Category B		Yes	NA	N/A			Full Stroke (Closed)	Tested once every two years
										Full Stroke (Open)	Tested once every two years
										Manual Stroke Time (Closed)	Tested once every two years
1HPSW-184	O FD-124C-01-02	AO	Category B	BV	No	NA	3			1HPSW-184 - Stroke Time (Cls to Opn)	Tested once quarterly
1HPSW-191	O FD-124C-01-02	SA	Category C	RG	No	NA	NA			1HPSW-191 - Full Stroke (Open)	Tested once quarterly
1HPSW-193	O FD-124C-01-02	SA	Category C	CK	No	NA	3			1HPSW-193 - Full Stroke (Open)	Tested once quarterly
1HPSW-556	O FD-124C-01-03	SA	Category C	RG	No	NA	NA			1HPSW-556 - Full Stroke (Open)	Tested every cold shutdown

OCONEE NUCLEAR STATION

HPS - HIGH PRESSURE SERVICE WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1HPSW-885	O FD-124C-01-02	SA	Category C	PR	No	NA	NA			1HPSW-885 - Full Stroke (Open)	Tested once quarterly
2HPSW-184	O FD-124C-02-02	AO	Category B	CV	No	NA	3			2HPSW-184 - Stroke Time (Cls to Opn)	Tested once quarterly
2HPSW-191	O FD-124C-02-02	SA	Category C	PR	No	NA	NA			2HPSW-191 - Full Stroke (Open)	Tested once quarterly
2HPSW-193	O FD-124C-02-02	SA	Category C	CK	No	NA	3			2HPSW-193 - Full Stroke (Open)	Tested once quarterly
2HPSW-556	O FD-124C-01-03	SA	Category C	RG	No	NA	NA			2HPSW-556 - Full Stroke (Open)	Tested every cold shutdown
3HPSW-184	O FD-124C-03-02	AO	Category B	BV	No	NA	3			3HPSW-184 - Stroke Time (Cls to Opn)	Tested once quarterly
3HPSW-191	O FD-124C-03-02	SA	Category C	RG	No	NA	NA			3HPSW-191 - Full Stroke (Open)	Tested once quarterly
3HPSW-193	O FD-124C-03-02	SA	Category C	CK	No	NA	3			3HPSW-193 - Full Stroke (Open)	Tested once quarterly
3HPSW-556	O FD-124C-03-03	SA	Category C	RG	No	NA	NA			3HPSW-556 - Full Stroke (Open)	Tested every cold shutdown

OCONEE NUCLEAR STATION

IA - INSTRUMENT AIR

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
11A-IV-0214		SA	Category AC	CK	Yes	NA	N/A			Full Stroke (Closed)	Tested once quarterly
										Full Stroke (Open)	Tested once quarterly
										Leak Test - ASME OM (Accident Direction)	Tested once every two years
11A-IV-0222		SA	Category AC	CK	Yes	NA	N/A			Leak Test - ASME OM (Accident Direction)	Tested once every two years
										Full Stroke (Closed)	Tested once quarterly
										Full Stroke (Open)	Tested once quarterly
11A-IV-0296		SA	Category AC	CK	Yes	NA	N/A			Leak Test - ASME OM (Accident Direction)	Tested once every two years
11A-IV-3058		SA	Category C		Yes		3			Full Stroke (Closed)	Tested every cold shutdown
11A-IV-3063		SA	Category C		Yes		3			Full Stroke (Closed)	Tested every cold shutdown
11A-IV-3068		SA	Category C		Yes		3			Full Stroke (Closed)	Tested every cold shutdown
11A-IV-3073		SA	Category C		Yes		3			Full Stroke (Closed)	Tested every cold shutdown
11A-IV-3078		SA	Category C		Yes		3			Full Stroke (Closed)	Tested once quarterly
11A-IV-3083		SA	Category C		Yes		3			Full Stroke	Tested once

OCONEE NUCLEAR STATION

IA - INSTRUMENT AIR

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										(Closed)	quarterly
2IA-IV-0214		SA	Category AC	CK	Yes	NA	N/A			Leak Test - ASME OM (Accident Direction)	Tested once every two years
										Full Stroke (Closed)	Tested once every two years
										Full Stroke (Open)	Tested once every two years
2IA-IV-0222		SA	Category AC	CK	Yes	NA	N/A			Full Stroke (Closed)	Tested once every two years
										Full Stroke (Open)	Tested once every two years
										Leak Test - ASME OM (Accident Direction)	Tested once every two years
2IA-IV-0296	O FD-127C-02-01	SA	Category AC	CK	Yes	NA	N/A			Leak Test - ASME OM (Accident Direction)	Tested once every two years
2 IA IV 3058		SA	Category C		Yes		3			Full Stroke (Closed)	Tested every cold shutdown
2 IA IV 3063		SA	Category C		Yes		3			Full Stroke (Closed)	Tested every cold shutdown
2 IA IV 3068		SA	Category C		Yes		3			Full Stroke (Closed)	Tested every cold shutdown
2 IA IV 3073		SA	Category C		Yes		3			Full Stroke (Closed)	Tested every cold shutdown
2 IA IV 3078		SA	Category C		Yes		3			Full Stroke (Closed)	Tested once quarterly

OCONEE NUCLEAR STATION

IA - INSTRUMENT AIR

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
2 IA IV 3083		SA	Category C		Yes		3			Full Stroke (Closed)	Tested once quarterly
3IA-IV-0214		SA	Category AC	CK	Yes	NA	N/A			Full Stroke (Closed)	Tested once quarterly
										Full Stroke (Open)	Tested once quarterly
										Leak Test - ASME OM (Accident Direction)	Tested once every two years
3IA-IV-0222		SA	Category AC	CK	Yes	NA	N/A			Leak Test - ASME OM (Accident Direction)	Tested once every two years
										Full Stroke (Closed)	Tested once quarterly
										Full Stroke (Open)	Tested once quarterly
3IA-IV-0296		SA	Category AC	CK	Yes	NA	N/A			Leak Test - ASME OM (Accident Direction)	Tested once every two years
3IA-IV-3058		SA	Category C		Yes		3			Full Stroke (Closed)	Tested every cold shutdown
3IA-IV-3063		SA	Category C		Yes		3			Full Stroke (Closed)	Tested every cold shutdown
3IA-IV-3068		SA	Category C		Yes		3			Full Stroke (Closed)	Tested every cold shutdown
3IA-IV-3073		SA	Category C		Yes		3			Full Stroke (Closed)	Tested every cold shutdown
3IA-IV-3078		SA	Category C		Yes		3			Full Stroke	Tested once

OCONEE NUCLEAR STATION

IA - INSTRUMENT AIR

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										(Closed)	quarterly
3IA-IV-3083		SA	Category C		Yes		3			Full Stroke (Closed)	Tested once quarterly

OCONEE NUCLEAR STATION

LP - LOW PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1LP-1	O FD-102A-01-01	ML	Category B	GA	Yes	NA	1			1LP-1 - Stroke Time (Opn to Cls)	Tested every cold shutdown
1LP-4	O FD-102A-01-01	MA	Category B	GA	Yes	NA	2			Manual Stroke Time (Closed)	Tested once every two years
1LP-5	O FD-102A-01-01	ML	Category B	GA	No	NA	2			1LP-5 - Stroke Time (Closed to Open)	Tested once quarterly
1LP-6	O FD-102A-01-01	ML	Category B	GA	No	NA	2			Stroke Time (Closed to Open)	Tested once quarterly
1LP-7	O FD-102A-01-01	ML	Category B	GA	No	NA	2			Stroke Time (Closed to Open)	Tested once quarterly
1LP-8	O FD-102A-01-01	ML	Category B	GA	No	NA	2			1LP-8 - Stroke Time (Open to Closed)	Tested once quarterly
										1LP-8 - Stroke Time (Closed to Open)	Tested once quarterly
1LP-9	O FD-102A-01-02	ML	Category B	GA	Yes	NA	2			1LP-9 - Stroke Time (Cls to Opn)	Tested once quarterly
1LP-10	O FD-102A-01-02	ML	Category B	GA	Yes	NA	2			1LP-10 - Stroke Time (Cls to Opn)	Tested once quarterly
1LP-21	O FD-102A-01-01	ML	Category B	GA	Yes	NA	2			Manual Stroke of Electric Valve (Closed)	Tested once every two years

OCONEE NUCLEAR STATION

LP - LOW PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1LP-22	O FD-102A-01-01	ML	Category B	GA	Yes	NA	2			Manual Stroke of Electric Valve (Closed)	Tested once every two years
1LP-28	O FD-102A-01-01	MA	Category B	GA	Yes	NA	2			1LP-28 - Full Stroke (Open)	Tested every cold shutdown
										1LP-28 - Full Stroke (Closed)	Tested every cold shutdown
										Manual Stroke Time (Closed)	Tested once every two years
1LP-35	O FD-102A-01-02	SA	Category C	CK	No	NA	2			1LP-35 - Full Stroke (Open)	Tested every cold shutdown
										1LP-35 - Full Stroke (Open)	Tested once quarterly
										1LP-35 - Full Stroke (Closed)	Tested every cold shutdown
										1LP-35 - Full Stroke (Closed)	Tested once quarterly
1LP-38	O FD-102A-01-02	MA	Category B	GL	Yes	NA	2			Manual Stroke Time (Open)	Tested once every two years
										Full Stroke (Closed)	Tested once every two years
										Full Stroke (Open)	Tested once every two years
1LP-40	O FD-102A-01-02	MA	Category A	BV	No	NA	2			Leak Test - ASME OM (Accident Direction)	Tested once every two years

OCONEE NUCLEAR STATION

LP - LOW PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1LP-41	O FD-102A-01-02	MA	Category A	GA	No	NA	2			Leak Test - ASME OM (Accident Direction)	Tested once every two years
1LP-65	O FD-102A-01-01	MA	Category B	GL	Yes	NA	2			Manual Stroke Time (Open)	Tested once every two years
										1LP-65 - Full Stroke (Open)	Tested every refueling outage
										1LP-65 - Full Stroke (Closed)	Tested every refueling outage
										Manual Stroke Time (Closed)	Tested once every two years
1LP-68	O FD-102A-01-01	MA	Category B	GA	Yes	NA	2			Manual Stroke Time (Open)	Tested once every two years
										Full Stroke (Closed)	Tested once every two years
										Full Stroke (Open)	Tested once every two years
1LP-69	O FD-102A-01-02	ML	Category B	GL	No	NA	2			1LP-69 - Stroke Time (Opn to Cls)	Tested once quarterly
										Stroke Time (Closed to Open)	Tested once quarterly
1LP-73	O FD-102A-01-02	MA	Category B	GA	Yes	NA	2			Manual Stroke Time (Open)	Tested once every two years
										Full Stroke (Closed)	Tested once every two years

OCONEE NUCLEAR STATION

LP - LOW PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Full Stroke (Open)	Tested once every two years
1LP-74	O FD-102A-01-02	MA	Category B	GA	No	NA	2			Manual Stroke Time (Open)	Tested once every two years
										1LP-74 - Full Stroke (Closed)	Tested once quarterly
1LP-75	O FD-102A-01-02	MA	Category B	GA	No	NA	2			Manual Stroke Time (Open)	Tested once every two years
										1LP-75 - Full Stroke (Open)	Tested every refueling outage
										1LP-75 - Full Stroke (Closed)	Tested every refueling outage
1LP-139	O FD-102A-01-01	MA	Category B	GA	Yes	NA	2			Full Stroke (Open)	Tested once quarterly
										Manual Stroke Time (Closed)	Tested once every two years
1LP-161	O FD-102A-01-02	MA	Category B	GL	Yes	NA	2			Manual Stroke Time (Closed)	Tested once every two years
										Full Stroke (Closed)	Tested once every two years
										Full Stroke (Open)	Tested once every two years
1LP-167	O FD-102A-01-01	SA	Category C	CK	Yes		1			Leak Test - ASME OM (Accident Direction)	Tested every refueling outage

OCONEE NUCLEAR STATION

LP - LOW PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
2LP-1	O FD-102A-02-01	ML	Category B	GA	Yes	NA	1			2LP-1 - Stroke Time (Opn to Cls)	Tested every cold shutdown
2LP-4	O FD-102A-02-01	MA	Category B	GA	Yes	NA	2			Manual Stroke Time (Closed)	Tested once every two years
2LP-5	O FD-102A-02-01	ML	Category B	GA	Yes	NA	2			2LP-5 - Stroke Time (Closed to Open)	Tested once quarterly
2LP-6	O FD-102A-02-01	ML	Category B	BF	No	NA	2			Stroke Time (Closed to Open)	Tested once quarterly
2LP-7	O FD-102A-02-01	ML	Category B	BF	No	NA	2			Stroke Time (Closed to Open)	Tested once quarterly
2LP-8	O FD-102A-02-01	ML	Category B	GA	No	NA	2			2LP-8 - Stroke Time (Open to Closed)	Tested once quarterly
										2LP-8 - Stroke Time (Closed to Open)	Tested once quarterly
2LP-9	O FD-102A-02-02	ML	Category B	GA	Yes	NA	2			2LP-9 - Stroke Time (Cls to Opn)	Tested once quarterly
2LP-10	O FD-102A-02-02	ML	Category B	GA	Yes	NA	2			2LP-10 - Stroke Time (Cls to Opn)	Tested once quarterly
2LP-21	O FD-102A-02-01	ML	Category B	GA	Yes	NA	2			Manual Stroke of Electric Valve (Closed)	Tested once every two years

OCONEE NUCLEAR STATION

LP - LOW PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
2LP-22	O FD-102A-02-01	ML	Category B	GA	Yes	NA	2			Manual Stroke of Electric Valve (Closed)	Tested once every two years
2LP-28	O FD-102A-02-01	MA	Category B	GA	Yes	NA	2			2LP-28 - Full Stroke (Open)	Tested every cold shutdown
										2LP-28 - Full Stroke (Closed)	Tested every cold shutdown
										Manual Stroke Time (Closed)	Tested once every two years
2LP-35	O FD-102A-02-02	SA	Category C	CK	No	NA	2			2LP-35 - Full Stroke (Open)	Tested every cold shutdown
										2LP-35 - Full Stroke (Open)	Tested once quarterly
										2LP-35 - Full Stroke (Closed)	Tested every cold shutdown
										2LP-35 - Full Stroke (Closed)	Tested once quarterly
2LP-38	O FD-102A-02-02	MA	Category B	GL	Yes	NA	2			Manual Stroke Time (Open)	Tested once every two years
										Full Stroke (Closed)	Tested once every two years
										Full Stroke (Open)	Tested once every two years
2LP-40	O FD-102A-02-02	MA	Category A	BV	No	NA	2			Leak Test - ASME OM (Accident Direction)	Tested once every two years

OCONEE NUCLEAR STATION

LP - LOW PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
2LP-41	O FD-102A-02-02	MA	Category A	GA	No	NA	2			Leak Test - ASME OM (Accident Direction)	Tested once every two years
2LP-65	O FD-102A-02-01	MA	Category B	GL	Yes	NA	2			2LP-65 - Full Stroke (Open)	Tested every refueling outage
										2LP-65 - Full Stroke (Closed)	Tested every refueling outage
										Manual Stroke Time (Closed)	Tested once every two years
										Manual Stroke Time (Open)	Tested once every two years
2LP-68	O FD-102A-02-01	MA	Category B	GA	Yes	NA	2			Manual Stroke Time (Open)	Tested once every two years
										Full Stroke (Closed)	Tested once every two years
										Full Stroke (Open)	Tested once every two years
2LP-69	O FD-102A-02-02	ML	Category B	GL	No	NA	2			2LP-69 - Stroke Time (Opn to Cls)	Tested once quarterly
										Stroke Time (Closed to Open)	Tested once quarterly
2LP-73	O FD-102A-02-02	MA	Category B	GA	Yes	NA	2			Manual Stroke Time (Open)	Tested once every two years
										Full Stroke (Closed)	Tested once every two years

OCONEE NUCLEAR STATION

LP - LOW PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Full Stroke (Open)	Tested once every two years
2LP-74	O FD-102A-02-02	MA	Category B	GA	Yes	NA	2			2LP-74 - Full Stroke (Closed)	Tested once quarterly
										Manual Stroke Time (Open)	Tested once every two years
2LP-75	O FD-102A-02-02	MA	Category B	GA	Yes	NA	2			2LP-75 - Full Stroke (Open)	Tested every refueling outage
										2LP-75 - Full Stroke (Closed)	Tested every refueling outage
										Manual Stroke Time (Open)	Tested once every two years
2LP-139	O FD-102A-02-01	MA	Category B	GA	Yes	NA	2			Manual Stroke Time (Closed)	Tested once every two years
										Full Stroke (Open)	Tested once every two years
2LP-161	O FD-102A-02-02	MA	Category B	GL	Yes	NA	2			Manual Stroke Time (Closed)	Tested once every two years
										Full Stroke (Closed)	Tested once every two years
										Full Stroke (Open)	Tested once every two years
2LP-167	O FD-102A-02-01	SA	Category C	CK	Yes	NA	1			Leak Test - ASME OM (Accident Direction)	Tested every refueling outage

OCONEE NUCLEAR STATION

LP - LOW PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
3LP-1	O FD-102A-03-01	MR	Category B	GA	Yes	NA	1			3LP-1 - Stroke Time (Opn to Cls)	Tested every cold shutdown
3LP-5	O FD-102A-03-01	ML	Category B	GA	No	NA	2			Stroke Time (Closed to Open)	Tested once quarterly
										Stroke Time (Open to Closed)	Tested once quarterly
3LP-6	O FD-102A-03-01	ML	Category B	GA	No	NA	2			Stroke Time (Closed to Open)	Tested once quarterly
3LP-7	O FD-102A-03-01	ML	Category B	GA	No	NA	2			Stroke Time (Closed to Open)	Tested once quarterly
3LP-8	O FD-102A-03-01	ML	Category B	GA	Yes	NA	2			3LP-8 - Stroke Time (Open to Closed)	Tested once quarterly
										3LP-8 - Stroke Time (Closed to Open)	Tested once quarterly
3LP-9	O FD-102A-03-02	ML	Category B	GA	Yes	NA	2			3LP-9 - Stroke Time (Cls to Opn)	Tested once quarterly
3LP-10	O FD-102A-03-02	ML	Category B	GA	Yes	NA	2			3LP-10 - Stroke Time (Cls to Opn)	Tested once quarterly
3LP-21	O FD-102A-03-01	ML	Category B	GA	Yes	NA	2			Manual Stroke of Electric Valve (Closed)	Tested once every two years
3LP-22	O FD-102A-03-01	ML	Category B	GA	Yes	NA	2			Manual Stroke of Electric Valve	Tested once every

OCONEE NUCLEAR STATION

LP - LOW PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										(Closed)	two years
3LP-28	O FD-102A-03-01	MA	Category B	GA	Yes	NA	2			3LP-28 - Full Stroke (Open)	Tested every cold shutdown
										3LP-28 - Full Stroke (Closed)	Tested every cold shutdown
										Manual Stroke Time (Closed)	Tested once every two years
3LP-35	O FD-102A-03-02	SA	Category C	CK	No	NA	2			3LP-35 - Full Stroke (Open)	Tested every cold shutdown
										3LP-35 - Full Stroke (Open)	Tested once quarterly
										3LP-35 - Full Stroke (Closed)	Tested every cold shutdown
										3LP-35 - Full Stroke (Closed)	Tested once quarterly
3LP-38	O FD-102A-03-02	MA	Category B	CK	Yes	NA	2			Manual Stroke Time (Open)	Tested once every two years
										Full Stroke (Closed)	Tested once every two years
										Full Stroke (Open)	Tested once every two years
3LP-40	O FD-102A-03-02	MA	Category A	BV	No	NA	2			Leak Test - ASME OM (Accident Direction)	Tested once every two years
3LP-41	O FD-102A-03-02	MA	Category A	GA	No	NA	2			Leak Test - ASME OM (Accident	Tested once every

OCONEE NUCLEAR STATION

LP - LOW PRESS INJ (VALVES ONLY)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Direction)	two years
3LP-65	O FD-102A-03-01	MA	Category B	GL	Yes	NA	2			3LP-65 - Full Stroke (Open)	Tested every refueling outage
										3LP-65 - Full Stroke (Closed)	Tested every refueling outage
										Manual Stroke Time (Closed)	Tested once every two years
										Manual Stroke Time (Open)	Tested once every two years
3LP-167	O FD-102A-03-01	SA	Category C	CK	Yes	NA	1			Leak Test - ASME OM (Accident Direction)	Tested every refueling outage

OCONEE NUCLEAR STATION

LPS - LOW PRESSURE SERVICE WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
LPSW-34	O FD-124A-01-01	MA	Category B	BF	No	NA	3			LPSW-34 - Full Stroke (Open)	Tested every refueling outage
										LPSW-34 - Full Stroke (Closed)	Tested every refueling outage
LPSW-66	O FD-124B-01-06	MA	Category B	GA	Yes	NA	N/A			Manual Stroke Time (Closed)	Tested once every two years
										Full Stroke (Closed)	Tested once every two years
										Full Stroke (Open)	Tested once every two years
LPSW-175	O FD-124A-01-01	SA	Category B	RG	No	NA	3			Relief Valve/Pressure Regulating (Closed to Open)	No specified test frequency
LPSW-182	O FD-124A-01-01	SA	Category B	RG	No	NA	3			Relief Valve/Pressure Regulating (Closed to Open)	No specified test frequency
LPSW-189	O FD-124A-01-01	SA	Category B	RG	No	NA	3			Relief Valve/Pressure Regulating (Closed to Open)	No specified test frequency
LPSW-216	O FD-124A-01-02	AO	Category B	GL	Yes	NA	N/A			Full Stroke (Closed)	Tested once yearly
										Full Stroke (Open)	Tested once yearly
LPSW-219	O FD-124A-01-02	AO	Category B	GL	Yes	NA	N/A			Full Stroke (Closed)	Tested once yearly

OCONEE NUCLEAR STATION

LPS - LOW PRESSURE SERVICE WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Full Stroke (Open)	Tested once yearly
LPSW-260	O FD-124B-01-06	MA	Category B	BF	Yes	NA	N/A			Manual Stroke Time (Closed)	Tested once every two years
										Full Stroke (Closed)	Tested once every two years
										Full Stroke (Open)	Tested once every two years
LPSW-943	O FD-124B-01-06	MA	Category B	GA	Yes	NA	N/A			Manual Stroke Time (Closed)	Tested once every two years
										Full Stroke (Closed)	Tested once every two years
										Full Stroke (Open)	Tested once every two years
LPSW-944	O FD-124B-01-06	MA	Category B	GA	Yes	NA	N/A			Manual Stroke Time (Closed)	Tested once every two years
										Full Stroke (Closed)	Tested once every two years
										Full Stroke (Open)	Tested once every two years
1LPSW-18	O FD-124B-01-02	ML	Category B	BF	Yes	NA	2			1LPSW-18 - Stroke Time (Opn to CIs)	Tested every cold shutdown
1LPSW-24	O FD-124B-01-02	ML	Category B	BF	Yes	NA	2			1LPSW-24 - Stroke Time (Opn to CIs)	Tested every cold shutdown

OCONEE NUCLEAR STATION

LPS - LOW PRESSURE SERVICE WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1LPSW-502	O FD-124B-01-01	SA	Category C	CK	Yes	NA	3			1LPSW-502 - Sample Disassembly (Closed to Open)	Disassemble one valve per group each RFO
										1LPSW-502 - Sample Disassembly (Open to Closed)	Disassemble one valve per group each RFO
1LPSW-687	O FD-124A-01-03	SA	Category C	CK	Yes	NA	3			Full Stroke (Open)	Tested once quarterly
1LPSW-931	O FD-124B-01-01	SA	Category C	CK	Yes	NA	3			Non-safety Direction Stroke (Open)	Tested once quarterly
1LPSW-1056	O FD-124B-01-02	MA	Category A	BV	No	NA	2			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1LPSW-1060	O FD-124B-01-01	MA	Category A	BV	No	NA	2			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1LPSW-1150	O FD-124B-01-01	AO	Category B	BF	Yes		3			Stroke Time (Open to Closed)	Tested once quarterly
1LPSW-1151	O FD-124B-01-01	AO	Category B	BF	Yes		3			Stroke Time (Open to Closed)	Tested once quarterly
2LPSW-18	O FD-124B-02-02	ML	Category B	BF	Yes	NA	2			2LPSW-18 - Stroke Time (Opn to CIs)	Tested every cold shutdown

OCONEE NUCLEAR STATION

LPS - LOW PRESSURE SERVICE WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
2LPSW-24	O FD-124B-02-02	ML	Category B	BF	Yes	NA	2			2LPSW-24 - Stroke Time (Opn to Cls)	Tested every cold shutdown
2LPSW-502	O FD-124B-02-01	SA	Category C	CK	Yes	NA	3			2LPSW-502 - Sample Disassembly (Closed to Open)	Disassemble one valve per group each RFO
										2LPSW-502 - Sample Disassembly (Open to Closed)	Disassemble one valve per group each RFO
2LPSW-931	O FD-124B-02-01	SA	Category C	CK	Yes	NA	3			Non-safety Direction Stroke (Open)	Tested once quarterly
2LPSW-1056	O FD-124B-02-02	MA	Category A	BV	No	NA	2			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
2LPSW-1060	O FD-124B-02-02	MA	Category A	BV	No	NA	2			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
2LPSW-1150	O FD-124B-02-01	AO	Category B		Yes		3			Stroke Time (Open to Closed)	Tested once quarterly
2LPSW-1151	O FD-124B-02-01	AO	Category B		Yes		3			Stroke Time (Open to Closed)	Tested once quarterly
3LPSW-18	O FD-124B-03-02	ML	Category B	BF	Yes	NA	2			3LPSW-18 - Stroke Time (Opn to Cls)	Tested every cold shutdown
3LPSW-24	O FD-124B-03-02	ML	Category B	BF	Yes	NA	2			3LPSW-24 - Stroke Time (Opn to Cls)	Tested every cold shutdown

OCONEE NUCLEAR STATION

LPS - LOW PRESSURE SERVICE WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
3LPSW-132	O FD-124A-03-01	MA	Category B	BF	No	NA	3			3LPSW-132 - Full Stroke (Open)	Tested every refueling outage
										3LPSW-132 - Full Stroke (Closed)	Tested every refueling outage
3LPSW-196	O FD-124A-03-01	SA	Category B	RG	No	NA	3			Relief Valve/Pressure Regulating (Closed to Open)	No specified test frequency
3LPSW-203	O FD-124A-03-01	SA	Category B	RG	No	NA	3			Relief Valve/Pressure Regulating (Closed to Open)	No specified test frequency
3LPSW-500	O FD-124B-03-06	MA	Category B	GA	Yes	NA	N/A			Manual Stroke Time (Closed)	Tested once every two years
										Full Stroke (Closed)	Tested once every two years
										Full Stroke (Open)	Tested once every two years
3LPSW-501	O FD-124B-03-06	MA	Category B	GA	Yes	NA	N/A			Manual Stroke Time (Closed)	Tested once every two years
										Full Stroke (Closed)	Tested once every two years
										Full Stroke (Open)	Tested once every two years
3LPSW-502	O FD-124B-03-01	SA	Category C	CK	Yes	NA	3			3LPSW-502 - Sample	Disassemble one valve per group

OCONEE NUCLEAR STATION

LPS - LOW PRESSURE SERVICE WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Disassembly (Closed to Open)	each RFO
										3LPSW-502 - Sample Disassembly (Open to Closed)	Disassemble one valve per group each RFO
3LPSW-770	O FD-124B-03-06	MA	Category B	GA	Yes	NA	N/A			Manual Stroke Time (Closed)	Tested once every two years
										Full Stroke (Closed)	Tested once every two years
										Full Stroke (Open)	Tested once every two years
3LPSW-844	O FD-124A-03-01	MA	Category B	BV	Yes	NA	N/A			Manual Stroke Time (Closed)	Tested once every two years
										Full Stroke (Closed)	Tested once every two years
										Full Stroke (Open)	Tested once every two years
3LPSW-1056	O FD-124B-03-02	MA	Category A	BV	No	NA	2			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
3LPSW-1060	O FD-124B-03-02	MA	Category A	BV	No	NA	2			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
3LPSW-1150	O FD-124B-03-01	AO	Category B		Yes		3			Stroke Time (Open to Closed)	Tested once quarterly

OCONEE NUCLEAR STATION

LPS - LOW PRESSURE SERVICE WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
3LPSW-1151	O FD-124B-03-01	AO	Category B		Yes		3			Stroke Time (Open to Closed)	Tested once quarterly

OCONEE NUCLEAR STATION

LRT - LEAK RATE TEST

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1LRT-54	O FD-137E-01-01	MA	Category A	GL	No	NA	2			1LRT-54 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
2LRT-54	O FD-137E-01-01	MA	Category A	BV	No	NA	2			2LRT-54 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
3LRT-54	O FD-137E-01-01	MA	Category A	BV	No	NA	2			3LRT-54 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage

OCONEE NUCLEAR STATION

LWD - LIQUID WASTE DISPOSAL

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
LWD-1173	O FD-107D-01-03	MA	Category B	BV	Yes	NA	N/A			Full Stroke (Closed)	Tested every refueling outage
										Full Stroke (Open)	Tested every refueling outage
										Manual Stroke Time (Closed)	Tested once every two years
1LWD-1	O FD-107B-01-01	ML	Category A	DP	Yes	NA	2			Leak Test - ASME OM (Accident Direction)	Tested every refueling outage
1LWD-2	O FD-107B-01-01	AO	Category A	DP	Yes	NA	2			Leak Test - ASME OM (Reverse Direction)	Tested every refueling outage
1LWD-27	O FD-107B-01-01	MA	Category A	BV	No	NA	2			Leak Test - ASME OM (Accident Direction)	Tested every refueling outage
1LWD-28	O FD-107B-01-01	MA	Category A	GL	No	NA	2			Leak Test - ASME OM (Reverse Direction)	Tested every refueling outage
1LWD-29	O FD-107B-01-01	MA	Category A	BV	No	NA	2			Leak Test - ASME OM (Accident Direction)	Tested every refueling outage
2LWD-1	O FD-107B-02-01	ML	Category A	DP	Yes	NA	2			Leak Test - ASME OM (Reverse Direction)	Tested every refueling outage
2LWD-2	O FD-107B-02-01	AO	Category A	DP	Yes	NA	2			Leak Test - ASME OM (Accident Direction)	Tested every refueling outage
2LWD-27	O FD-107B-02-01	MA	Category A	BV	No	NA	2			Leak Test - ASME OM (Accident	Tested every refueling outage

OCONEE NUCLEAR STATION

LWD - LIQUID WASTE DISPOSAL

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump : Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Direction)	
2LWD-28	O FD-107B-02-01	MA	Category A	GL	No	NA	2			Leak Test - ASME OM (Reverse Direction)	Tested every refueling outage
2LWD-29	O FD-107B-02-01	MA	Category A	GL	No	NA	2			Leak Test - ASME OM (Accident Direction)	Tested every refueling outage
3LWD-1	O FD-107B-03-01	ML	Category A	DP	Yes	NA	2			Leak Test - ASME OM (Reverse Direction)	Tested every refueling outage
3LWD-2	O -0449-T O FD-107B-03-01	AO	Category A	DP	Yes	NA	2			Leak Test - ASME OM (Accident Direction)	Tested every refueling outage
3LWD-27	O FD-107B-03-01	MA	Category A	GL	No	NA	2			Leak Test - ASME OM (Accident Direction)	Tested every refueling outage
3LWD-28	O FD-107B-03-01	MA	Category A	GL	No	NA	2			Leak Test - ASME OM (Reverse Direction)	Tested every refueling outage
3LWD-29	O FD-107B-03-01	MA	Category A	GL	No	NA	2			Leak Test - ASME OM (Accident Direction)	Tested every refueling outage
3LWD-1179	O FD-107D-03-01	MA	Category B	BV	Yes		N/A			Full Stroke (Closed)	Tested every refueling outage
										Full Stroke (Open)	Tested every refueling outage
										Manual Stroke	Tested once every

OCONEE NUCLEAR STATION

LWD - LIQUID WASTE DISPOSAL

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Time (Closed)	two years
3LWD-1180	O FD-107D-03-01	MA	Category B		Yes		N/A			Full Stroke (Closed)	Tested every refueling outage
										Full Stroke (Open)	Tested every refueling outage
										Manual Stroke Time (Closed)	Tested once every two years

OCONEE NUCLEAR STATION

MS - MAIN STEAM

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1MS-19	O FD-122A-01-02	AO	Category B	GL	Yes	NA	NA			1MS-19 - Stroke Time (Open to Closed)	Tested every cold shutdown
										1MS-19 - Stroke Time (Closed to Open)	Tested every cold shutdown
										1MS-19 - Position Indicator (Open)	Tested once every two years
										1MS-19 - Position Indicator (Closed)	Tested once every two years
1MS-22	O FD-122A-01-02	AO	Category B	GL	Yes	NA	NA			1MS-22 - Stroke Time (Open to Closed)	Tested every cold shutdown
										1MS-22 - Stroke Time (Closed to Open)	Tested every cold shutdown
										1MS-22 - Position Indicator (Open)	Tested once every two years
										1MS-22 - Position Indicator (Closed)	Tested once every two years
1MS-25	O FD-122A-01-02	SA	Category C	CK	Yes	NA	NA			1MS-25 - Sample Disassembly (Closed to Open)	Disassemble one valve per group each RFO
										1MS-25 - Sample Disassembly (Open to Closed)	Disassemble one valve per group each RFO
1MS-28	O FD-122A-01-02	AO	Category B	GL	Yes	NA	NA			1MS-28 - Stroke Time (Open to Closed)	Tested every cold shutdown

OCONEE NUCLEAR STATION

MS - MAIN STEAM

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										1MS-28 - Stroke Time (Closed to Open)	Tested every cold shutdown
										1MS-28 - Position Indicator (Open)	Tested once every two years
										1MS-28 - Position Indicator (Closed)	Tested once every two years
1MS-31	O FD-122A-01-02	AO	Category B	GL	Yes	NA	NA			1MS-31 - Stroke Time (Open to Closed)	Tested every cold shutdown
										1MS-31 - Stroke Time (Closed to Open)	Tested every cold shutdown
										1MS-31 - Position Indicator (Open)	Tested once every two years
										1MS-31 - Position Indicator (Closed)	Tested once every two years
1MS-34	O FD-122A-01-02	SA	Category C	CK	Yes	NA	NA			1MS-34 - Sample Disassembly (Closed to Open)	Disassemble one valve per group each RFO
										1MS-34 - Sample Disassembly (Open to Closed)	Disassemble one valve per group each RFO
1MS-83	O FD-122A-01-04	SA	Category C	CK	Yes	NA	3			1MS-83 - Sample Disassembly (Opn to Cls)	Disassemble one valve per group each RFO
										1MS-83 - Full Stroke (Open)	Tested once quarterly
1MS-85	O FD-122A-01-04	SA	Category C	CK	Yes	NA	3			1MS-85 - Sample Disassembly (Opn	Disassemble one valve per group

OCONEE NUCLEAR STATION

MS - MAIN STEAM

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										to Cls)	each RFO
										1MS-85 - Full Stroke (Open)	Tested once quarterly
1MS-87	O FD-122A-01-04	AO	Category B	GL	Yes	NA	3			1MS-87 - Full Stroke (Open)	Tested once quarterly
										1MS-87 - Full Stroke (Closed)	Tested once quarterly
1MS-91	O FD-122A-01-04	SA	Category C	CK	Yes	NA	3			1MS-91 - Full Stroke (Open)	Tested once quarterly
1MS-93	O FD-122A-01-04	AO	Category B	GL	Yes	NA	3			Stroke Time (Closed to Open)	Tested once quarterly
1MS-94	O FD-122A-01-04	SA	Category B	ST	No	NA	3			1MS-94 - Full Stroke (Closed)	Tested once quarterly
										Full Stroke (Open)	Tested once quarterly
1MS-95	O FD-122A-01-04	HO	Category B		Yes	NA	3			1MS-95 - Full Stroke (Open)	Tested once quarterly
										1MS-95 - Full Stroke (Closed)	Tested once quarterly
1MS-102	O FD-122B-01-01	HO	Category B	ST	Yes	NA	2			Full Stroke (Closed)	Tested once quarterly
										Full Stroke (Open)	Tested once quarterly

OCONEE NUCLEAR STATION

MS - MAIN STEAM

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1MS-103	O FD-122B-01-01	HO	Category B	ST	Yes	NA	2			Full Stroke (Closed)	Tested once quarterly
										Full Stroke (Open)	Tested once quarterly
1MS-104	O FD-122B-01-01	HO	Category B	ST	Yes	NA	2			Full Stroke (Closed)	Tested once quarterly
										Full Stroke (Open)	Tested once quarterly
1MS-105	O FD-122B-01-01	HO	Category B	ST	Yes	NA	2			Full Stroke (Closed)	Tested once quarterly
										Full Stroke (Open)	Tested once quarterly
1MS-126	O FD-128A-01-01	AO	Category B	GL	Yes	NA	NA			Full Stroke (Closed)	Tested every refueling outage
										Full Stroke (Open)	Tested every refueling outage
										Position Indicator (Closed)	Tested every refueling outage
										Position Indicator (Open)	Tested every refueling outage
1MS-153	O FD-122A-01-01	MA	Category B	GA	Yes	NA	2			Manual Stroke Time (Open)	Tested once every two years
1MS-154	O FD-122A-01-01	MA	Category B	GA	Yes	NA	N/A			Manual Stroke Time (Open)	Tested once every two years

OCONEE NUCLEAR STATION

MS - MAIN STEAM

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										1MS-154 - Full Stroke (Open)	Tested every refueling outage
										1MS-154 - Full Stroke (Closed)	Tested every refueling outage
1MS-155	O FD-122A-01-01	MA	Category B	GA	Yes	NA	2			Manual Stroke Time (Open)	Tested once every two years
1MS-156	O FD-122A-01-01	MA	Category B	GA	Yes	NA	N/A			Manual Stroke Time (Open)	Tested once every two years
										1MS-156 - Full Stroke (Open)	Tested every refueling outage
										1MS-156 - Full Stroke (Closed)	Tested every refueling outage
1MS-161	O FD-122A-01-01	MA	Category B	GA	Yes	NA	2			Manual Stroke Time (Open)	Tested once every two years
1MS-162	O FD-122A-01-01	MA	Category B	GL	Yes	NA	N/A			Manual Stroke Time (Open)	Tested once every two years
										1MS-162 - Full Stroke (Open)	Tested every refueling outage
										1MS-162 - Full Stroke (Closed)	Tested every refueling outage
1MS-163	O FD-122A-01-01	MA	Category B	GA	Yes	NA	2			Manual Stroke Time (Open)	Tested once every two years

OCONEE NUCLEAR STATION

MS - MAIN STEAM

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1MS-164	O FD-122A-01-01	MA	Category B	GL	Yes	NA	N/A			Manual Stroke Time (Open)	Tested once every two years
										1MS-164 - Full Stroke (Open)	Tested every refueling outage
										1MS-164 - Full Stroke (Closed)	Tested every refueling outage
2MS-19	O FD-122A-02-02	AO	Category B	GL	Yes	NA	NA			2MS-19 - Stroke Time (Open to Closed)	Tested every cold shutdown
										2MS-19 - Stroke Time (Closed to Open)	Tested every cold shutdown
										2MS-19 - Position Indicator (Open)	Tested once every two years
										2MS-19 - Position Indicator (Closed)	Tested once every two years
2MS-22	O FD-122A-02-02	AO	Category B	GL	Yes	NA	NA			2MS-22 - Stroke Time (Open to Closed)	Tested every cold shutdown
										2MS-22 - Stroke Time (Closed to Open)	Tested every cold shutdown
										2MS-22 - Position Indicator (Open)	Tested once every two years
										2MS-22 - Position Indicator (Closed)	Tested once every two years
2MS-25	O FD-122A-02-02	SA	Category C	CK	Yes	NA	NA			2MS-25 - Sample Disassembly	Disassemble one valve per group

OCONEE NUCLEAR STATION

MS - MAIN STEAM

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										(Closed to Open)	each RFO
										2MS-25 - Sample Disassembly (Open to Closed)	Disassemble one valve per group each RFO
2MS-28	O FD-122A-02-02	AO	Category B	GL	Yes	NA	NA			2MS-28 - Stroke Time (Open to Closed)	Tested every cold shutdown
										2MS-28 - Stroke Time (Closed to Open)	Tested every cold shutdown
										2MS-28 - Position Indicator (Open)	Tested once every two years
										2MS-28 - Position Indicator (Closed)	Tested once every two years
2MS-31	O FD-122A-02-02	AO	Category B	GL	Yes	NA	NA			2MS-31 - Stroke Time (Open to Closed)	Tested every cold shutdown
										2MS-31 - Stroke Time (Closed to Open)	Tested every cold shutdown
										2MS-31 - Position Indicator (Open)	Tested once every two years
										2MS-31 - Position Indicator (Closed)	Tested once every two years
2MS-34	O FD-122A-02-02	SA	Category C	CK	Yes	NA	NA			2MS-34 - Sample Disassembly (Closed to Open)	Disassemble one valve per group each RFO
										2MS-34 - Sample Disassembly (Open	Disassemble one valve per group

OCONEE NUCLEAR STATION

MS - MAIN STEAM

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										to Closed)	each RFO
2MS-83	O FD-122A-02-04	SA	Category C	CK	Yes	NA	3			2MS-83 - Sample Disassembly (Opn to Cls)	Disassemble one valve per group each RFO
										2MS-83 - Full Stroke (Open)	Tested once quarterly
2MS-85	O FD-122A-02-04	SA	Category C	CK	Yes	NA	3			2MS-85 - Sample Disassembly (Opn to Cls)	Disassemble one valve per group each RFO
										2MS-85 - Full Stroke (Open)	Tested once quarterly
2MS-87	O FD-122A-02-04	AO	Category B	GL	Yes	NA	3			2MS-87 - Full Stroke (Open)	Tested once quarterly
										2MS-87 - Full Stroke (Closed)	Tested once quarterly
2MS-91	O FD-122A-02-04	SA	Category C	CK	Yes	NA	3			2MS-91 - Full Stroke (Open)	Tested once quarterly
2MS-93	O FD-122A-02-04 O FD-127C-02-01	AO	Category B	GL	Yes	NA	3			Stroke Time (Closed to Open)	Tested once quarterly
2MS-94	O FD-122A-02-04	SA	Category B		No	NA	3			2MS-94 - Full Stroke (Closed)	Tested once quarterly
										Full Stroke (Open)	Tested once quarterly

OCONEE NUCLEAR STATION

MS - MAIN STEAM

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
2MS-95	O FD-122A-02-04	HO	Category B	CV	Yes	NA	3			2MS-95 - Full Stroke (Open)	Tested once quarterly
										2MS-95 - Full Stroke (Closed)	Tested once quarterly
2MS-102	O FD-122B-02-01	HO	Category B	ST	Yes	NA	2			Full Stroke (Closed)	Tested once quarterly
										Full Stroke (Open)	Tested once quarterly
2MS-103	O FD-122B-02-01	HO	Category B	ST	Yes	NA	2			Full Stroke (Closed)	Tested once quarterly
										Full Stroke (Open)	Tested once quarterly
2MS-104	O FD-122B-02-01	HO	Category B	ST	Yes	NA	2			Full Stroke (Closed)	Tested once quarterly
										Full Stroke (Open)	Tested once quarterly
2MS-105	O FD-122B-02-01	HO	Category B	ST	Yes	NA	2			Full Stroke (Closed)	Tested once quarterly
										Full Stroke (Open)	Tested once quarterly
2MS-126	O FD-128A-02-01	AO	Category B	GL	Yes	NA	NA			Full Stroke (Closed)	Tested every refueling outage
										Full Stroke (Open)	Tested every

OCONEE NUCLEAR STATION

MS - MAIN STEAM

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
											refueling outage
										Position Indicator (Closed)	Tested once every two years
										Position Indicator (Open)	Tested once every two years
2MS-153	O FD-122A-02-01	MA	Category B	GA	Yes	NA	2			Manual Stroke Time (Open)	Tested once every two years
2MS-154	O FD-122A-02-01	MA	Category B	GA	Yes	NA	N/A			2MS-154 - Full Stroke (Open)	Tested every refueling outage
										2MS-154 - Full Stroke (Closed)	Tested every refueling outage
										Manual Stroke Time (Open)	Tested once every two years
2MS-155	O FD-122A-02-01	MA	Category B	GA	Yes	NA	2			Manual Stroke Time (Open)	Tested once every two years
2MS-156	O FD-122A-02-01	MA	Category B	GA	Yes	NA	N/A			2MS-156 - Full Stroke (Open)	Tested every refueling outage
										2MS-156 - Full Stroke (Closed)	Tested every refueling outage
										Manual Stroke Time (Open)	Tested once every two years
2MS-161	O FD-122A-02-01	MA	Category B	GA	Yes	NA	2			Manual Stroke Time (Open)	Tested once every two years

OCONEE NUCLEAR STATION

MS - MAIN STEAM

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
2MS-162	O FD-122A-02-01	MA	Category B	GL	Yes	NA	N/A			2MS-162 - Full Stroke (Open)	Tested every refueling outage
										2MS-162 - Full Stroke (Closed)	Tested every refueling outage
										Manual Stroke Time (Open)	Tested once every two years
2MS-163	O FD-122A-02-01	MA	Category B	GA	Yes	NA	2			Manual Stroke Time (Open)	Tested once every two years
2MS-164	O FD-122A-02-01	MA	Category B	GL	Yes	NA	N/A			2MS-164 - Full Stroke (Open)	Tested every refueling outage
										2MS-164 - Full Stroke (Closed)	Tested every refueling outage
										Manual Stroke Time (Open)	Tested once every two years
3MS-19	O FD-122A-03-02	AO	Category B	GL	Yes	NA	NA			3MS-19 - Stroke Time (Open to Closed)	Tested every cold shutdown
										3MS-19 - Stroke Time (Closed to Open)	Tested every cold shutdown
										3MS-19 - Position Indicator (Open)	Tested once every two years
										3MS-19 - Position Indicator (Closed)	Tested once every two years
3MS-22	O FD-122A-03-02	AO	Category B	GL	Yes	NA	NA			3MS-22 - Stroke Time (Open to	Tested every cold shutdown

OCONEE NUCLEAR STATION

MS - MAIN STEAM

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Closed)	
										3MS-22 - Stroke Time (Closed to Open)	Tested every cold shutdown
										3MS-22 - Position Indicator (Open)	Tested once every two years
										3MS-22 - Position Indicator (Closed)	Tested once every two years
3MS-25	O FD-122A-03-02	SA	Category C	CK	Yes	NA	NA			3MS-25 - Sample Disassembly (Closed to Open)	Disassemble one valve per group each RFO
										3MS-25 - Sample Disassembly (Open to Closed)	Disassemble one valve per group each RFO
3MS-28	O FD-122A-03-02	AO	Category B	BV	Yes	NA	NA			3MS-28 - Stroke Time (Open to Closed)	Tested every cold shutdown
										3MS-28 - Stroke Time (Closed to Open)	Tested every cold shutdown
										3MS-28 - Position Indicator (Open)	Tested once every two years
										3MS-28 - Position Indicator (Closed)	Tested once every two years
3MS-31	O FD-122A-03-02	AO	Category B	GL	Yes	NA	NA			3MS-31 - Stroke Time (Open to Closed)	Tested every cold shutdown
										3MS-31 - Stroke Time (Closed to	Tested every cold shutdown

OCONEE NUCLEAR STATION

MS - MAIN STEAM

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Open)	
										3MS-31 - Position Indicator (Open)	Tested once every two years
										3MS-31 - Position Indicator (Closed)	Tested once every two years
3MS-34	O FD-122A-03-02	SA	Category C	CK	Yes	NA	NA			3MS-34 - Sample Disassembly (Closed to Open)	Disassemble one valve per group each RFO
										3MS-34 - Sample Disassembly (Open to Closed)	Disassemble one valve per group each RFO
3MS-83	O FD-122A-03-04	SA	Category C	CK	Yes	NA	3			3MS-83 - Sample Disassembly (Opn to Cls)	Disassemble one valve per group each RFO
										3MS-83 - Full Stroke (Open)	Tested once quarterly
3MS-85	O FD-122A-03-04	SA	Category C	CK	Yes	NA	3			3MS-85 - Sample Disassembly (Opn to Cls)	Disassemble one valve per group each RFO
										3MS-85 - Full Stroke (Open)	Tested once quarterly
3MS-87	O FD-122A-03-04	AO	Category B	GL	Yes	NA	3			3MS-87 - Full Stroke (Open)	Tested once quarterly
										3MS-87 - Full Stroke (Closed)	Tested once quarterly
3MS-91	O FD-122A-03-04	SA	Category C	CK	Yes	NA	3			3MS-91 - Full Stroke (Open)	Tested once quarterly

OCONEE NUCLEAR STATION

MS - MAIN STEAM

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
3MS-93	O FD-122A-03-04	AO	Category B	GL	Yes	NA	3			Stroke Time (Closed to Open)	Tested once quarterly
3MS-94	O FD-122A-03-04	SA	Category B	SV	No	NA	3			3MS-94 - Full Stroke (Closed)	Tested once quarterly
										Full Stroke (Open)	Tested once quarterly
3MS-95	O FD-122A-03-04	HO	Category B	CV	Yes	NA	3			3MS-95 - Full Stroke (Open)	Tested once quarterly
										3MS-95 - Full Stroke (Closed)	Tested once quarterly
3MS-102	O FD-122B-03-01	HO	Category B	ST	Yes	NA	2			Full Stroke (Closed)	Tested once quarterly
										Full Stroke (Open)	Tested once quarterly
3MS-103	O FD-122B-03-01	HO	Category B	ST	Yes	NA	2			Full Stroke (Closed)	Tested once quarterly
										Full Stroke (Open)	Tested once quarterly
3MS-104	O FD-122B-03-01	HO	Category B	ST	Yes	NA	2			Full Stroke (Closed)	Tested once quarterly
										Full Stroke (Open)	Tested once quarterly
3MS-105	O FD-122B-03-01	HO	Category B	ST	Yes	NA	2			Full Stroke	Tested once

OCONEE NUCLEAR STATION

MS - MAIN STEAM

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										(Closed)	quarterly
										Full Stroke (Open)	Tested once quarterly
3MS-126	O FD-128A-03-01	AO	Category B	GL	Yes	NA	NA			Full Stroke (Closed)	Tested every refueling outage
										Full Stroke (Open)	Tested every refueling outage
										Position Indicator (Closed)	Tested every refueling outage
										Position Indicator (Open)	Tested every refueling outage
3MS-153	O FD-122A-03-01	MA	Category B	GA	Yes	NA	2			Manual Stroke Time (Open)	Tested once every two years
3MS-154	O FD-122A-03-01	MA	Category B	GA	Yes	NA	N/A			3MS-154 - Full Stroke (Open)	Tested every refueling outage
										3MS-154 - Full Stroke (Closed)	Tested every refueling outage
										Manual Stroke Time (Open)	Tested once every two years
3MS-155	O FD-122A-03-01	MA	Category B	GA	Yes	NA	2			Manual Stroke Time (Open)	Tested once every two years
3MS-156	O FD-122A-03-01	MA	Category B	GA	Yes	NA	N/A			3MS-156 - Full Stroke (Open)	Tested every refueling outage

OCONEE NUCLEAR STATION

MS - MAIN STEAM

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										3MS-156 - Full Stroke (Closed)	Tested every refueling outage
										Manual Stroke Time (Open)	Tested once every two years
3MS-161	O FD-122A-03-01	MA	Category B	GA	Yes	NA	2			Manual Stroke Time (Open)	Tested once every two years
3MS-162	O FD-122A-01-01 O FD-122A-03-01	MA	Category B	AN	Yes	NA	N/A			3MS-162 - Full Stroke (Open)	Tested every refueling outage
										3MS-162 - Full Stroke (Closed)	Tested every refueling outage
										Manual Stroke Time (Open)	Tested once every two years
3MS-163	O FD-122A-03-01	MA	Category B	GA	Yes	NA	2			Manual Stroke Time (Open)	Tested once every two years
3MS-164	O FD-122A-01-01 O FD-122A-03-01	MA	Category B	AN	Yes	NA	N/A			3MS-164 - Full Stroke (Open)	Tested every refueling outage
										3MS-164 - Full Stroke (Closed)	Tested every refueling outage
										Manual Stroke Time (Open)	Tested once every two years

OCONEE NUCLEAR STATION

MT - MAIN TURBINE

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1MT-25	K FD-111A-01-01	SA	Category C	VB	No	NA	3			Full Stroke (Closed)	Tested once quarterly
										Full Stroke (Open)	Tested once quarterly
2MT-25	K FD-111A-01-01	SA	Category C	VB	No	NA	3			Full Stroke (Closed)	Tested once quarterly
										Full Stroke (Open)	Tested once quarterly

OCONEE NUCLEAR STATION

N - NITROGEN

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1N-IV-0072		SA	Category B	CK	Yes	NA	N/A			Full Stroke (Closed)	Tested once every two years
										Full Stroke (Open)	Tested once quarterly
1N-IV-0073		SA	Category B	CK	Yes	NA	N/A			Full Stroke (Open)	Tested once quarterly
										Full Stroke (Closed)	Tested once every two years
1N-247	O FD-127B-01-02	MA	Category A	BV	No	NA	2			1N-247 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1N-310	O FD-127C-01-01	SA	Category C	RV	Yes	NA	N/A			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
1N-313	O FD-127C-01-01	SA	Category C	RV	Yes	NA	N/A			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
1N-332	O FD-127C-01-02	SA	Category C	RV	Yes	NA	N/A			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
1N-346	O FD-127C-01-02	SA	Category C	RV	Yes	NA	N/A			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
2N-IV-0072		SA	Category B		Yes	NA	N/A			Full Stroke (Closed)	Tested once every two years
										Full Stroke (Open)	Tested once quarterly
2N-IV-0073		SA	Category B		Yes	NA	N/A			Full Stroke (Closed)	Tested once every two years

OCONEE NUCLEAR STATION

N - NITROGEN

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Full Stroke (Open)	Tested once quarterly
2N-247	O FD-127B-02-02	MA	Category A	GL	No	NA	2			2N-247 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
2N-310	O FD-127C-02-01	SA	Category C	RV	Yes	NA	N/A			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
2N-313	O FD-127C-02-01	SA	Category C	RV	Yes	NA	N/A			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
2N-332	O FD-127C-02-02	SA	Category C	RV	Yes	NA	N/A			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
2N-346	O FD-127C-02-02	SA	Category C	RV	Yes	NA	N/A			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
3N-IV-0072		SA	Category B		Yes	NA	N/A			Full Stroke (Closed)	Tested once every two years
										Full Stroke (Open)	Tested once quarterly
3N-IV-0073		SA	Category B		Yes	NA	N/A			Full Stroke (Closed)	Tested once every two years
										Full Stroke (Open)	Tested once quarterly
3N-247	O FD-127B-03-02	MA	Category A	GL	No	NA	2			3N-247 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
3N-310	O FD-127C-03-01	SA	Category C	RV	Yes	NA	N/A			Relief Valve Test	Test relief valve per

OCONEE NUCLEAR STATION

N - NITROGEN

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										(Closed to Open)	OM-1 schedule
3N-313	O FD-127C-03-01	SA	Category C	RV	Yes	NA	N/A			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
3N-332	O FD-127C-03-02	SA	Category C	RV	Yes	NA	N/A			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule
3N-346	O FD-127C-03-02	SA	Category C	RV	Yes	NA	N/A			Relief Valve Test (Closed to Open)	Test relief valve per OM-1 schedule

OCONEE NUCLEAR STATION

OG - GOVERNOR OIL SYSTEM

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1OG-11	K FD-105A-01-01	SA	Category C	CK	Yes	NA	3			1OG-11 - Full Stroke (Open)	Tested once quarterly
										1OG-11 - Full Stroke (Closed)	Tested once quarterly
1OG-13	K FD-105A-01-01	SA	Category C	RV	No	NA	3			Skid Mounted	Tested once yearly
1OG-14	K FD-105A-01-01	SA	Category C	CK	Yes	NA	3			1OG-14 - Full Stroke (Open)	Tested once quarterly
										1OG-14 - Full Stroke (Closed)	Tested once quarterly
1OG-16	K FD-105A-01-01	SA	Category C	RV	No	NA	3			Skid Mounted	Tested once yearly
1OG-17	K FD-105A-01-01	SA	Category C	CK	Yes	NA	3			1OG-17 - Full Stroke (Open)	Tested once quarterly
										1OG-17 - Full Stroke (Closed)	Tested once quarterly
1OG-19	K FD-105A-01-01	SA	Category C	RV	No	NA	3			Skid Mounted	Tested once yearly
2OG-11	K FD-105A-02-01	SA	Category C	CK	Yes	NA	3			2OG-11 - Full Stroke (Open)	Tested once quarterly
										2OG-11 - Full Stroke (Closed)	Tested once quarterly

OCONEE NUCLEAR STATION

OG - GOVERNOR OIL SYSTEM

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
2OG-13	K FD-105A-02-01	SA	Category C	RV	No	NA	3			Skid Mounted	Tested once yearly
2OG-14	K FD-105A-02-01	SA	Category C	CK	Yes	NA	3			2OG-14 - Full Stroke (Open)	Tested once quarterly
										2OG-14 - Full Stroke (Closed)	Tested once quarterly
2OG-16	K FD-105A-02-01	SA	Category C	RV	No	NA	3			Skid Mounted	Tested once yearly
2OG-17	K FD-105A-02-01	SA	Category C	CK	Yes	NA	3			2OG-17 - Full Stroke (Open)	Tested once quarterly
										2OG-17 - Full Stroke (Closed)	Tested once quarterly
2OG-19	K FD-105A-02-01	SA	Category C	RV	No	NA	3			Skid Mounted	Tested once yearly

OCONEE NUCLEAR STATION

PDW - PLANT DRINKING WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
PDW-106	O FD-126C-01-04	MA	Category B		Yes	NA	N/A			Manual Stroke Time (Closed)	Tested once every two years
										Full Stroke (Closed)	Tested once every two years
										Full Stroke (Open)	Tested once every two years
PDW-411	O FD-126C-01-02	MA	Category B	GA	Yes	NA	N/A			Full Stroke (Open)	Tested once every two years
										Full Stroke (Closed)	Tested once every two years
										Manual Stroke Time (Closed)	Tested once every two years
PDW-442	O FD-126B-01-01	MA	Category B		Yes		N/A			Full Stroke (Open)	Tested once every two years
										Full Stroke (Closed)	Tested once every two years
										Manual Stroke Time (Closed)	Tested once every two years

OCONEE NUCLEAR STATION

PR - PURGE

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1PR-1	O FD-116A-01-01	ML	Category A	BF	No	NA	2			1PR-1 - Stroke Time (Opn to Cls)	Tested every cold shutdown
1PR-2	O FD-116A-01-01	AO	Category A	BF	No	NA	2			1PR-2 - Stroke Time (Opn to Cls)	Tested every cold shutdown
1PR-5	O FD-116A-01-01	AO	Category A	BF	No	NA	2			1PR-5 - Stroke Time (Opn to Cls)	Tested every cold shutdown
1PR-6	O FD-116A-01-01	ML	Category A	BF	No	NA	2			1PR-6 - Stroke Time (Opn to Cls)	Tested every cold shutdown
1PR-23	O FD-116C-01-01	MA	Category A	DP	No	NA	2			1PR-23 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1PR-24	O FD-116C-01-01	MA	Category A	DP	No	NA	2			1PR-24 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
1PR-25	O FD-116C-01-01	MA	Category A	DP	No	NA	2			1PR-25 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1PR-27	O FD-116A-01-01	MA	Category A	DP	No	NA	2			1PR-27 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
1PR-28	O FD-116A-01-01	MA	Category A	DP	No	NA	2			1PR-28 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1PR-29	O FD-116A-01-01	MA	Category A	DP	No	NA	2			1PR-29 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage

OCONEE NUCLEAR STATION

PR - PURGE

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1PR-30	O FD-116A-01-01	MA	Category A	DP	No	NA	2			1PR-30 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1PR-68	O FD-116C-01-01	MA	Category A	GL	No	NA	2			1PR-68 - Position Indicator (Open)	Tested once every two years
										1PR-68 - Position Indicator (Closed)	Tested once every two years
1PR-71	O FD-110A-01-03	SO	Category B	3W	No	NA	2			1PR-71 - Full Stroke (Open)	Tested once quarterly
										1PR-71 - Full Stroke (Closed)	Tested once quarterly
										1PR-71 - Position Indicator (Open)	Tested once every two years
										1PR-71 - Position Indicator (Closed)	Tested once every two years
1PR-72	O FD-110A-01-03	SO	Category B	3W	No	NA	2			1PR-72 - Full Stroke (Open)	Tested once quarterly
										1PR-72 - Full Stroke (Closed)	Tested once quarterly
										1PR-72 - Position Indicator (Open)	Tested once every two years
										1PR-72 - Position Indicator (Closed)	Tested once every two years
1PR-73	O FD-110A-01-03	SO	Category B	3W	No	NA	2			1PR-73 - Full Stroke (Open)	Tested once quarterly

OCONEE NUCLEAR STATION

PR - PURGE

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										1PR-73 - Full Stroke (Closed)	Tested once quarterly
										1PR-73 - Position Indicator (Open)	Tested once every two years
										1PR-73 - Position Indicator (Closed)	Tested once every two years
1PR-74	O FD-110A-01-03	SO	Category B	3W	No	NA	2			1PR-74 - Full Stroke (Open)	Tested once quarterly
										1PR-74 - Full Stroke (Closed)	Tested once quarterly
										1PR-74 - Position Indicator (Open)	Tested once every two years
										1PR-74 - Position Indicator (Closed)	Tested once every two years
1PR-75	O FD-110A-01-03	SO	Category B	3W	No	NA	2			1PR-75 - Full Stroke (Open)	Tested once quarterly
										1PR-75 - Full Stroke (Closed)	Tested once quarterly
										1PR-75 - Position Indicator (Open)	Tested once every two years
										1PR-75 - Position Indicator (Closed)	Tested once every two years
1PR-76	O FD-110A-01-03	SO	Category B	3W	No	NA	2			1PR-76 - Full Stroke (Open)	Tested once quarterly
										1PR-76 - Full	Tested once

OCONEE NUCLEAR STATION

PR - PURGE

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Stroke (Closed)	quarterly
										1PR-76 - Position Indicator (Open)	Tested once every two years
										1PR-76 - Position Indicator (Closed)	Tested once every two years
1PR-77	O FD-110A-01-03	SO	Category B	3W	No	NA	2			1PR-77 - Full Stroke (Open)	Tested once quarterly
										1PR-77 - Full Stroke (Closed)	Tested once quarterly
										1PR-77 - Position Indicator (Open)	Tested once every two years
										1PR-77 - Position Indicator (Closed)	Tested once every two years
1PR-78	O FD-110A-01-03	SO	Category B	3W	No	NA	2			1PR-78 - Full Stroke (Open)	Tested once quarterly
										1PR-78 - Full Stroke (Closed)	Tested once quarterly
										1PR-78 - Position Indicator (Open)	Tested once every two years
										1PR-78 - Position Indicator (Closed)	Tested once every two years
1PR-79	O FD-110A-01-03	SO	Category B	3W	No	NA	2			1PR-79 - Full Stroke (Open)	Tested once quarterly
										1PR-79 - Full Stroke (Closed)	Tested once quarterly

OCONEE NUCLEAR STATION

PR - PURGE

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										1PR-79 - Position Indicator (Open)	Tested once every two years
										1PR-79 - Position Indicator (Closed)	Tested once every two years
1PR-80	O FD-110A-01-03	SO	Category B	3W	No	NA	2			1PR-80 - Full Stroke (Open)	Tested once quarterly
										1PR-80 - Full Stroke (Closed)	Tested once quarterly
										1PR-80 - Position Indicator (Open)	Tested once every two years
										1PR-80 - Position Indicator (Closed)	Tested once every two years
2PR-1	O FD-116A-02-01	ML	Category A	BF	No	NA	2			2PR-1 - Stroke Time (Opn to Cls)	Tested every cold shutdown
2PR-2	O FD-116A-02-01	AO	Category A	BF	No	NA	2			2PR-2 - Stroke Time (Opn to Cls)	Tested every cold shutdown
2PR-5	O FD-116A-02-01	AO	Category A	BF	No	NA	2			2PR-5 - Stroke Time (Opn to Cls)	Tested every cold shutdown
2PR-6	O FD-116A-02-01	ML	Category A	BF	No	NA	2			2PR-6 - Stroke Time (Opn to Cls)	Tested every cold shutdown
2PR-24	O FD-116C-02-01	MA	Category A	DP	No	NA	2			2PR-24 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
2PR-25	O FD-116C-02-01	MA	Category A	DP	No	NA	2			2PR-25 - Leak Test - Appendix J	Tested every

OCONEE NUCLEAR STATION

PR - PURGE

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										(Reverse Direction	refueling outage
2PR-27	O FD-116A-02-01	MA	Category A	DP	No	NA	2			2PR-27 - Leak Test - Appendix J (Reverse Direction	Tested every refueling outage
2PR-29	O FD-116A-02-01	MA	Category A	DP	No	NA	2			2PR-29 - Leak Test - Appendix J (Reverse Direction	Tested every refueling outage
2PR-68	O FD-116C-02-01	MA	Category A	GL	No	NA	2			2PR-68 - Position Indicator (Open)	Tested once every two years
										2PR-68 - Position Indicator (Closed)	Tested once every two years
2PR-71	O FD-110A-02-03	SO	Category B	3W	No	NA	2			2PR-71 - Full Stroke (Open)	Tested once quarterly
										2PR-71 - Full Stroke (Closed)	Tested once quarterly
										2PR-71 - Position Indicator (Open)	Tested once every two years
										2PR-71 - Position Indicator (Closed)	Tested once every two years
2PR-72	O FD-110A-02-03	SO	Category B	3W	No	NA	2			2PR-72 - Full Stroke (Open)	Tested once quarterly
										2PR-72 - Full Stroke (Closed)	Tested once quarterly
										2PR-72 - Position Indicator (Open)	Tested once every two years

OCONEE NUCLEAR STATION

PR - PURGE

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										2PR-72 - Position Indicator (Closed)	Tested once every two years
2PR-73	O FD-110A-02-03	SO	Category B	3W	No	NA	2			2PR-73 - Full Stroke (Open)	Tested once quarterly
										2PR-73 - Full Stroke (Closed)	Tested once quarterly
										2PR-73 - Position Indicator (Open)	Tested once every two years
										2PR-73 - Position Indicator (Closed)	Tested once every two years
2PR-74	O FD-110A-02-03	SO	Category B	3W	No	NA	2			2PR-74 - Full Stroke (Open)	Tested once quarterly
										2PR-74 - Full Stroke (Closed)	Tested once quarterly
										2PR-74 - Position Indicator (Open)	Tested once every two years
										2PR-74 - Position Indicator (Closed)	Tested once every two years
2PR-75	O FD-110A-02-03	SO	Category B	3W	No	NA	2			2PR-75 - Full Stroke (Open)	Tested once quarterly
										2PR-75 - Full Stroke (Closed)	Tested once quarterly
										2PR-75 - Position Indicator (Open)	Tested once every two years
										2PR-75 - Position	Tested once every

OCONEE NUCLEAR STATION

PR - PURGE

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Indicator (Closed)	two years
2PR-76	O FD-110A-02-03	SO	Category B	3W	No	NA	2			2PR-76 - Full Stroke (Open)	Tested once quarterly
										2PR-76 - Full Stroke (Closed)	Tested once quarterly
										2PR-76 - Position Indicator (Open)	Tested once every two years
										2PR-76 - Position Indicator (Closed)	Tested once every two years
2PR-77	O FD-110A-02-03	SO	Category B	3W	No	NA	2			2PR-77 - Full Stroke (Open)	Tested once quarterly
										2PR-77 - Full Stroke (Closed)	Tested once quarterly
										2PR-77 - Position Indicator (Open)	Tested once every two years
										2PR-77 - Position Indicator (Closed)	Tested once every two years
2PR-78	O FD-110A-02-03	SO	Category B	3W	No	NA	2			2PR-78 - Full Stroke (Open)	Tested once quarterly
										2PR-78 - Full Stroke (Closed)	Tested once quarterly
										2PR-78 - Position Indicator (Open)	Tested once every two years
										2PR-78 - Position Indicator (Closed)	Tested once every two years

OCONEE NUCLEAR STATION

PR - PURGE

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
2PR-79	O FD-110A-02-03	SO	Category B	3W	No	NA	2			2PR-79 - Full Stroke (Open)	Tested once quarterly
										2PR-79 - Full Stroke (Closed)	Tested once quarterly
										2PR-79 - Position Indicator (Open)	Tested once every two years
										2PR-79 - Position Indicator (Closed)	Tested once every two years
2PR-80	O FD-110A-02-03	SO	Category B	3W	No	NA	2			2PR-80 - Full Stroke (Open)	Tested once quarterly
										2PR-80 - Full Stroke (Closed)	Tested once quarterly
										2PR-80 - Position Indicator (Open)	Tested once every two years
										2PR-80 - Position Indicator (Closed)	Tested once every two years
3PR-1	O FD-116A-03-01	ML	Category A		No	NA	2			3PR-1 - Stroke Time (Opn to Cls)	Tested every cold shutdown
3PR-2	O FD-116A-03-01	AO	Category A	BF	No	NA	2			3PR-2 - Stroke Time (Opn to Cls)	Tested every cold shutdown
3PR-5	O FD-116A-03-01	AO	Category A	BF	No	NA	2			3PR-5 - Stroke Time (Opn to Cls)	Tested every cold shutdown
3PR-6	O FD-116A-03-01	ML	Category A	BF	No	NA	2			3PR-6 - Stroke Time (Opn to Cls)	Tested every cold shutdown

OCONEE NUCLEAR STATION

PR - PURGE

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
3PR-23	O FD-116C-03-01	MA	Category A	DP	No	NA	2			3PR-23 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
3PR-25	O FD-116C-03-01	MA	Category A	DP	No	NA	2			3PR-25 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
3PR-27	O FD-116A-03-01	MA	Category A	DP	No	NA	2			3PR-27 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
3PR-29	O FD-116A-03-01	MA	Category A	DP	No	NA	2			3PR-29 - Leak Test - Appendix J (Reverse Direction)	Tested every refueling outage
3PR-68	O FD-116C-03-01	MA	Category A	GA	No	NA	2			3PR-68 - Position Indicator (Open)	Tested once every two years
										3PR-68 - Position Indicator (Closed)	Tested once every two years
3PR-71	O FD-110A-03-03	SO	Category B	3W	No	NA	2			3PR-71 - Full Stroke (Open)	Tested once quarterly
										3PR-71 - Full Stroke (Closed)	Tested once quarterly
										3PR-71 - Position Indicator (Open)	Tested once every two years
										3PR-71 - Position Indicator (Closed)	Tested once every two years
3PR-72	O FD-110A-03-03	SO	Category B	3W	No	NA	2			3PR-72 - Full Stroke (Open)	Tested once quarterly

OCONEE NUCLEAR STATION

PR - PURGE

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										3PR-72 - Full Stroke (Closed)	Tested once quarterly
										3PR-72 - Position Indicator (Open)	Tested once every two years
										3PR-72 - Position Indicator (Closed)	Tested once every two years
3PR-73	O FD-110A-03-03	SO	Category B	3W	No	NA	2			3PR-73 - Full Stroke (Open)	Tested once quarterly
										3PR-73 - Full Stroke (Closed)	Tested once quarterly
										3PR-73 - Position Indicator (Open)	Tested once every two years
										3PR-73 - Position Indicator (Closed)	Tested once every two years
3PR-74	O FD-110A-03-03	SO	Category B	3W	No	NA	2			3PR-74 - Full Stroke (Open)	Tested once quarterly
										3PR-74 - Full Stroke (Closed)	Tested once quarterly
										3PR-74 - Position Indicator (Open)	Tested once every two years
										3PR-74 - Position Indicator (Closed)	Tested once every two years
3PR-75	O FD-110A-03-03	SO	Category B	3W	No	NA	2			3PR-75 - Full Stroke (Open)	Tested once quarterly

OCONEE NUCLEAR STATION

PR - PURGE

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										3PR-75 - Full Stroke (Closed)	Tested once quarterly
										3PR-75 - Position Indicator (Open)	Tested once every two years
										3PR-75 - Position Indicator (Closed)	Tested once every two years
3PR-76	O FD-110A-03-03	SO	Category B	3W	No	NA	2			3PR-76 - Full Stroke (Open)	Tested once quarterly
										3PR-76 - Full Stroke (Closed)	Tested once quarterly
										3PR-76 - Position Indicator (Open)	Tested once every two years
										3PR-76 - Position Indicator (Closed)	Tested once every two years
3PR-77	O FD-110A-03-03	SO	Category B	3W	No	NA	2			3PR-77 - Full Stroke (Open)	Tested once quarterly
										3PR-77 - Full Stroke (Closed)	Tested once quarterly
										3PR-77 - Position Indicator (Open)	Tested once every two years
										3PR-77 - Position Indicator (Closed)	Tested once every two years
3PR-78	O FD-110A-03-03	SO	Category B	3W	No	NA	2			3PR-78 - Full Stroke (Open)	Tested once quarterly
										3PR-78 - Full	Tested once

OCONEE NUCLEAR STATION

PR - PURGE

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Stroke (Closed)	quarterly
										3PR-78 - Position Indicator (Open)	Tested once every two years
										3PR-78 - Position Indicator (Closed)	Tested once every two years
3PR-79	O FD-110A-03-03	SO	Category B	3W	No	NA	2			3PR-79 - Full Stroke (Open)	Tested once quarterly
										3PR-79 - Full Stroke (Closed)	Tested once quarterly
										3PR-79 - Position Indicator (Open)	Tested once every two years
										3PR-79 - Position Indicator (Closed)	Tested once every two years
3PR-80	O FD-110A-03-03	SO	Category B	3W	No	NA	2			3PR-80 - Full Stroke (Open)	Tested once quarterly
										3PR-80 - Full Stroke (Closed)	Tested once quarterly
										3PR-80 - Position Indicator (Open)	Tested once every two years
										3PR-80 - Position Indicator (Closed)	Tested once every two years

OCONEE NUCLEAR STATION

RC - REACTOR COOLANT

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1RC-49	O FD-110A-01-01	MA	Category A	GL	No	NA	2			1RC-49 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1RC-50	O FD-110A-01-01	MA	Category A	GL	No	NA	2			1RC-50 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1RC-51	O FD-110A-01-01	MA	Category A	GL	No	NA	2			1RC-51 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
2RC-49	O FD-110A-02-01	MA	Category A	GL	No	NA	2			2RC-49 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
2RC-50	O FD-110A-02-01	MA	Category A	GL	No	NA	2			2RC-50 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
2RC-51	O FD-110A-02-01	MA	Category A	GL	No	NA	2			2RC-51 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
3RC-49	O FD-110A-03-01	MA	Category A	GL	No	NA	2			3RC-49 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
3RC-50	O FD-110A-03-01	MA	Category A	GL	No	NA	2			3RC-50 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
3RC-164	O FD-110A-03-04	MA	Category A	GL	Yes	NA	2			Manual Stroke Time (Open)	Tested once every two years
3RC-165	O FD-110A-03-04	MA	Category A	GL	Yes	NA	3			Manual Stroke Time (Open)	Tested once every two years

OCONEE NUCLEAR STATION

RC - REACTOR COOLANT

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
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OCONEE NUCLEAR STATION

SF - SPENT FUEL

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
SF-8	O FD-104A-01-01	SA	Category C	CK	Yes	NA	3			Full Stroke (Closed)	Tested once quarterly
										Full Stroke (Open)	Tested once quarterly
SF-11	O FD-104A-01-01	SA	Category C	CK	Yes	NA	3			Full Stroke (Closed)	Tested once quarterly
										Full Stroke (Open)	Tested once quarterly
SF-15	O FD-104A-01-01	MA	Category B	GA	Yes	NA	3			SF-15 - Full Stroke (Open)	Tested once every two years
										SF-15 - Full Stroke (Closed)	Tested once every two years
SF-17	O FD-104A-01-01	MA	Category B	GA	Yes	NA	3			SF-17 - Full Stroke (Open)	Tested once every two years
										SF-17 - Full Stroke (Closed)	Tested once every two years
SF-21	O FD-104A-01-01	MA	Category B	GL	Yes	NA	3			SF-21 - Full Stroke (Open)	Tested once every two years
										SF-21 - Full Stroke (Closed)	Tested once every two years
SF-22	O FD-104A-01-01	MA	Category B	GL	Yes	NA	3			SF-22 - Full Stroke (Open)	Tested once every two years
										SF-22 - Full Stroke	Tested once every

OCONEE NUCLEAR STATION

SF - SPENT FUEL

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										(Closed)	two years
SF-23	O FD-104A-01-01	MA	Category B	GL	Yes	NA	2			SF-23 - Full Stroke (Open)	Tested once every two years
										SF-23 - Full Stroke (Closed)	Tested once every two years
SF-49	O FD-104A-01-01	MA	Category B	DP	Yes	NA	3			SF-49 - Full Stroke (Closed)	Tested once every two years
SF-50	O FD-104A-01-01	MA	Category B	GL	Yes	NA	3			Full Stroke (Closed)	Tested once every two years
										Full Stroke (Open)	Tested once every two years
SF-51	O FD-104A-01-01	MA	Category B	GA	Yes	NA	3			SF-51 - Full Stroke (Open)	Tested once every two years
										SF-51 - Full Stroke (Closed)	Tested once every two years
SF-53	O FD-104A-01-01	MA	Category B	GA	Yes	NA	3			SF-53 - Full Stroke (Open)	Tested once every two years
										SF-53 - Full Stroke (Closed)	Tested once every two years
SF-54	O FD-104A-01-01	MA	Category B	GA	Yes	NA	3			Full Stroke (Closed)	Tested once every two years
										Full Stroke (Open)	Tested once every two years

OCONEE NUCLEAR STATION

SF - SPENT FUEL

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
SF-55	O FD-104A-01-02	MA	Category B	GA	Yes	NA	2			SF-55 - Full Stroke (Open)	Tested once every two years
										SF-55 - Full Stroke (Closed)	Tested once every two years
SF-56	O FD-104A-01-02	MA	Category B	GA	Yes	NA	2			SF-56 - Full Stroke (Open)	Tested once every two years
										SF-56 - Full Stroke (Closed)	Tested once every two years
SF-57	O FD-104A-01-02	MA	Category B	DP	Yes	NA	3			SF-57 - Full Stroke (Open)	Tested once every two years
										SF-57 - Full Stroke (Closed)	Tested once every two years
SF-84	O FD-104A-01-01	MA	Category B	PV	Yes	NA	3			SF-84 - Full Stroke (Open)	Tested once every two years
										SF-84 - Full Stroke (Closed)	Tested once every two years
SF-85	O FD-104A-01-01	MA	Category B	PV	Yes	NA	3			SF-85 - Full Stroke (Open)	Tested once every two years
										SF-85 - Full Stroke (Closed)	Tested once every two years
SF-86	O FD-104A-01-01	MA	Category B	PV	Yes	NA	3			SF-86 - Full Stroke (Open)	Tested once every two years
										SF-86 - Full Stroke	Tested once every

OCONEE NUCLEAR STATION

SF - SPENT FUEL

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										(Closed)	two years
SF-89	O FD-104A-01-01	SA	Category C	CK	Yes	NA	3			Full Stroke (Closed)	Tested once quarterly
										Full Stroke (Open)	Tested once quarterly
SF-94	O FD-104A-01-01	MA	Category B	PV	Yes	NA	3			SF-94 - Full Stroke (Open)	Tested once every two years
										SF-94 - Full Stroke (Closed)	Tested once every two years
1SF-76	O FD-104A-01-01	MA	Category A	GL	No	NA	3			Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1SF-98	O FD-104A-01-01	MA	Category A	GL	No	NA	2			1SF-98 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
1SF-99	O FD-101A-01-05	MA	Category A	BV	No	NA	2			1SF-99 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
2SF-87	O FD-104A-01-01	MA	Category A	GL	No	NA	2			2SF-87 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
2SF-98	O FD-104A-01-01	MA	Category A	BV	No	NA	2			2SF-98 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
2SF-99	O FD-101A-02-05	MA	Category A	BV	No	NA	2			2SF-99 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage

OCONEE NUCLEAR STATION

SF - SPENT FUEL

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
3SF-8	O FD-104A-03-01	SA	Category C	CK	Yes	NA	3			Full Stroke (Closed)	Tested once quarterly
										Full Stroke (Open)	Tested once quarterly
3SF-11	O FD-104A-03-01	SA	Category C	CK	Yes	NA	3			Full Stroke (Closed)	Tested once quarterly
										Full Stroke (Open)	Tested once quarterly
3SF-15	O FD-104A-03-01	MA	Category B	GA	Yes	NA	3			3SF-15 - Full Stroke (Open)	Tested once every two years
										3SF-15 - Full Stroke (Closed)	Tested once every two years
3SF-17	O FD-104A-03-01	MA	Category B	GA	Yes	NA	3			3SF-17 - Full Stroke (Open)	Tested once every two years
										3SF-17 - Full Stroke (Closed)	Tested once every two years
3SF-21	O FD-104A-03-01	MA	Category B	GA	Yes	NA	3			3SF-21 - Full Stroke (Open)	Tested once every two years
										3SF-21 - Full Stroke (Closed)	Tested once every two years
3SF-22	O FD-104A-03-01	MA	Category B	GL	Yes	NA	3			3SF-22 - Full Stroke (Open)	Tested once every two years
										3SF-22 - Full	Tested once every

OCONEE NUCLEAR STATION

SF - SPENT FUEL

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Stroke (Closed)	two years
3SF-23	O FD-104A-03-01	MA	Category B	GL	Yes	NA	2			3SF-23 - Full Stroke (Open)	Tested once every two years
										3SF-23 - Full Stroke (Closed)	Tested once every two years
3SF-49	O FD-104A-03-01	MA	Category B	DP	Yes	NA	3			3SF-49 - Full Stroke (Open)	Tested once every two years
										3SF-49 - Full Stroke (Closed)	Tested once every two years
3SF-50	O FD-104A-03-01	MA	Category B	GL	Yes	NA	3			Full Stroke (Closed)	Tested once every two years
										Full Stroke (Open)	Tested once every two years
3SF-51	O FD-104A-03-01	MA	Category B	GA	Yes	NA	3			3SF-51 - Full Stroke (Open)	Tested once every two years
										3SF-51 - Full Stroke (Closed)	Tested once every two years
3SF-53	O FD-104A-03-01	MA	Category B	GA	Yes	NA	3			3SF-53 - Full Stroke (Open)	Tested once every two years
										3SF-53 - Full Stroke (Closed)	Tested once every two years
3SF-54	O FD-104A-03-01	MA	Category B	GA	Yes	NA	3			Full Stroke (Closed)	Tested once every two years

OCONEE NUCLEAR STATION

SF - SPENT FUEL

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Full Stroke (Open)	Tested once every two years
3SF-55	O FD-104A-03-01	MA	Category B	BF	Yes	NA	2			3SF-55 - Full Stroke (Open)	Tested once every two years
										3SF-55 - Full Stroke (Closed)	Tested once every two years
3SF-57	O FD-104A-03-02	MA	Category B	DP	Yes	NA	3			3SF-57 - Full Stroke (Open)	Tested once every two years
										3SF-57 - Full Stroke (Closed)	Tested once every two years
3SF-84	O FD-104A-03-01	MA	Category B	PV	Yes	NA	3			3SF-84 - Full Stroke (Open)	Tested once every two years
										3SF-84 - Full Stroke (Closed)	Tested once every two years
3SF-85	O FD-104A-03-01	MA	Category B	PV	Yes	NA	3			3SF-85 - Full Stroke (Open)	Tested once every two years
										3SF-85 - Full Stroke (Closed)	Tested once every two years
3SF-86	O FD-104A-03-01	MA	Category B	PV	Yes	NA	3			3SF-86 - Full Stroke (Open)	Tested once every two years
										3SF-86 - Full Stroke (Closed)	Tested once every two years
3SF-87	O FD-104A-03-01	MA	Category A	GL	No	NA	2			Leak Test - Appendix J	Tested every refueling outage

OCONEE NUCLEAR STATION

SF - SPENT FUEL

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										(Accident Direction)	
3SF-89	O FD-104A-03-01	SA	Category C	CK	Yes	NA	3			Full Stroke (Closed)	Tested once quarterly
										Full Stroke (Open)	Tested once quarterly
3SF-94	O FD-104A-03-01	MA	Category B	GA	Yes	NA	3			Full Stroke (Closed)	Tested once every two years
										Full Stroke (Open)	Tested once every two years
3SF-98	O FD-104A-03-01	MA	Category A	BV	No	NA	2			3SF-98 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage
3SF-99	O FD-101A-03-05	MA	Category A	GL	No	NA	2			3SF-99 - Leak Test - Appendix J (Accident Direction)	Tested every refueling outage

OCONEE NUCLEAR STATION

SSH - STEAM SEAL HEADER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1SSH-9	O FD-122B-01-01	ML	Category B	GA	Yes		N/A			Stroke Time (Open to Closed)	Tested every refueling outage
										Position Indicator (Closed)	Tested once every two years
										Position Indicator (Open)	Tested once every two years
2SSH-9	O FD-122B-02-01	ML	Category B	GA	Yes		N/A			Stroke Time (Open to Closed)	Tested every refueling outage
										Position Indicator (Closed)	Tested every refueling outage
										Position Indicator (Open)	Tested once every two years
3SSH-9	O FD-122B-03-01	ML	Category B	GA	Yes		N/A			Position Indicator (Closed)	Tested every refueling outage
										Position Indicator (Open)	Tested every refueling outage
										Stroke Time (Open to Closed)	Tested every refueling outage

OCONEE NUCLEAR STATION

SSW - SIPHON SEALING WATER (ECCW)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
SSW-13	O FD-129A-01-01	MA	Category B		Yes		3			Full Stroke (Closed)	Tested once every two years
										Full Stroke (Open)	Tested once every two years
SSW-14	O FD-129A-01-01	MA	Category B		Yes		3			Full Stroke (Closed)	Tested once every two years
										Full Stroke (Open)	Tested once every two years
SSW-15	O FD-129A-01-01	MA	Category B		Yes		3			Full Stroke (Closed)	Tested once every two years
										Full Stroke (Open)	Tested once every two years
SSW-16	O FD-129A-01-01	MA	Category B		Yes		3			Full Stroke (Closed)	Tested once every two years
										Full Stroke (Open)	Tested once every two years
SSW-17	O FD-129A-02-02	MA	Category B		Yes		3			Full Stroke (Closed)	Tested once every two years
										Full Stroke (Open)	Tested once every two years
SSW-18	O FD-129A-01-01	MA	Category B		Yes	NA	3			Full Stroke (Closed)	Tested once every two years
										Full Stroke (Open)	Tested once every

OCONEE NUCLEAR STATION

SSW - SIPHON SEALING WATER (ECCW)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
											two years
SSW-19	O FD-129A-01-01	MA	Category B		Yes	NA	3			Full Stroke (Closed)	Tested once every two years
										Full Stroke (Open)	Tested once every two years
1SSW-107	O FD-129A-01-02	MA	Category B		Yes	NA	3			1SSW-107 - Full Stroke (Open)	Tested every refueling outage
										1SSW-107 - Full Stroke (Closed)	Tested every refueling outage
1SSW-108	O FD-129A-01-02	MA	Category B		Yes	NA	3			1SSW-108 - Full Stroke (Open)	Tested every refueling outage
										1SSW-108 - Full Stroke (Closed)	Tested every refueling outage
1SSW-117	O FD-129A-01-02	MA	Category B		Yes	NA	3			1SSW-117 - Full Stroke (Open)	Tested every refueling outage
										1SSW-117 - Full Stroke (Closed)	Tested every refueling outage
1SSW-118	O FD-129A-01-02	MA	Category B		Yes	NA	3			1SSW-118 - Full Stroke (Open)	Tested every refueling outage
										1SSW-118 - Full Stroke (Closed)	Tested every refueling outage
1SSW-127	O FD-129A-01-02	MA	Category B		Yes	NA	3			1SSW-127 - Full Stroke (Open)	Tested every refueling outage

OCONEE NUCLEAR STATION

SSW - SIPHON SEALING WATER (ECCW)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										1SSW-127 - Full Stroke (Closed)	Tested every refueling outage
1SSW-128	O FD-129A-01-02	MA	Category B		Yes	NA	3			1SSW-128 - Full Stroke (Open)	Tested every refueling outage
										1SSW-128 - Full Stroke (Closed)	Tested every refueling outage
1SSW-137	O FD-129A-01-02	MA	Category B		Yes	NA	3			1SSW-137 - Full Stroke (Open)	Tested every refueling outage
										1SSW-137 - Full Stroke (Closed)	Tested every refueling outage
1SSW-138	O FD-129A-01-02	MA	Category B		Yes	NA	3			1SSW-138 - Full Stroke (Open)	Tested every refueling outage
										1SSW-138 - Full Stroke (Closed)	Tested every refueling outage
2SSW-107	O FD-129A-02-02	MA	Category B		Yes	NA	3			2SSW-107 - Full Stroke (Open)	Tested every refueling outage
										2SSW-107 - Full Stroke (Closed)	Tested every refueling outage
2SSW-108	O FD-129A-02-02	MA	Category B		Yes	NA	3			2SSW-108 - Full Stroke (Open)	Tested every refueling outage
										2SSW-108 - Full Stroke (Closed)	Tested every refueling outage
2SSW-117	O FD-129A-02-02	MA	Category B		Yes	NA	3			2SSW-117 - Full Stroke (Open)	Tested every refueling outage

OCONEE NUCLEAR STATION

SSW - SIPHON SEALING WATER (ECCW)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										2SSW-117 - Full Stroke (Closed)	Tested every refueling outage
2SSW-118	O FD-129A-02-02	MA	Category B		Yes	NA	3			2SSW-118 - Full Stroke (Open)	Tested every refueling outage
										2SSW-118 - Full Stroke (Closed)	Tested every refueling outage
2SSW-127	O FD-129A-02-02	MA	Category B		Yes	NA	3			2SSW-127 - Full Stroke (Open)	Tested every refueling outage
										2SSW-127 - Full Stroke (Closed)	Tested every refueling outage
2SSW-128	O FD-129A-02-02	MA	Category B		Yes	NA	3			2SSW-128 - Full Stroke (Open)	Tested every refueling outage
										2SSW-128 - Full Stroke (Closed)	Tested every refueling outage
2SSW-137	O FD-129A-02-02	MA	Category B		Yes	NA	3			2SSW-137 - Full Stroke (Open)	Tested every refueling outage
										2SSW-137 - Full Stroke (Closed)	Tested every refueling outage
2SSW-138	O FD-129A-02-02	MA	Category B		Yes	NA	3			2SSW-138 - Full Stroke (Open)	Tested every refueling outage
										2SSW-138 - Full Stroke (Closed)	Tested every refueling outage

OCONEE NUCLEAR STATION

SSW - SIPHON SEALING WATER (ECCW)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
3SSW-107	O FD-129A-03-02	MA	Category B		Yes	NA	3			3SSW-107 - Full Stroke (Open)	Tested every refueling outage
										3SSW-107 - Full Stroke (Closed)	Tested every refueling outage
3SSW-108	O FD-129A-03-02	MA	Category B		Yes	NA	3			3SSW-108 - Full Stroke (Open)	Tested every refueling outage
										3SSW-108 - Full Stroke (Closed)	Tested every refueling outage
3SSW-117	O FD-129A-03-02	MA	Category B		Yes	NA	3			3SSW-117 - Full Stroke (Open)	Tested every refueling outage
										3SSW-117 - Full Stroke (Closed)	Tested every refueling outage
3SSW-118	O FD-129A-03-02	MA	Category B		Yes	NA	3			3SSW-118 - Full Stroke (Open)	Tested every refueling outage
										3SSW-118 - Full Stroke (Closed)	Tested every refueling outage
3SSW-127	O FD-129A-03-02	MA	Category B		Yes	NA	3			3SSW-127 - Full Stroke (Open)	Tested every refueling outage
										3SSW-127 - Full Stroke (Closed)	Tested every refueling outage
3SSW-128	O FD-129A-03-02	MA	Category B		Yes	NA	3			3SSW-128 - Full Stroke (Open)	Tested every refueling outage
										3SSW-128 - Full	Tested every

OCONEE NUCLEAR STATION

SSW - SIPHON SEALING WATER (ECCW)

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										Stroke (Closed)	refueling outage
3SSW-137	O FD-129A-03-02	MA	Category B		Yes	NA	3			3SSW-137 - Full Stroke (Open)	Tested every refueling outage
										3SSW-137 - Full Stroke (Closed)	Tested every refueling outage
3SSW-138	O FD-129A-03-02	MA	Category B		Yes	NA	3			3SSW-138 - Full Stroke (Open)	Tested every refueling outage
										3SSW-138 - Full Stroke (Closed)	Tested every refueling outage

OCONEE NUCLEAR STATION

ST - SEWAGE TREATMENT

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
ST-53	O FD-126B-01-01	SA	Category C		Yes		N/A			Full Stroke (Both)	Tested once every two years

OCONEE NUCLEAR STATION

TO - TURBINE OIL

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1TO-59	O FD-135B-01-02	SA	Category C	RG	Yes	NA	NA			1TO-59 - Full Stroke (Open)	Tested once quarterly
1TO-61	O FD-135B-01-02	SA	Category C	CK	Yes	NA	NA			1TO-61 - Full Stroke (Open)	Tested once quarterly
										1TO-61 - Full Stroke (Closed)	Tested once quarterly
1TO-145	O FD-135B-01-02	SO	Category B	SV	No	NA	3			Skid Mounted	Tested once quarterly
2TO-59	O FD-135B-02-02	SA	Category C	PR	Yes	NA	NA			2TO-59 - Full Stroke (Open)	Tested once quarterly
2TO-61	O FD-135B-02-02	SA	Category C	CK	Yes	NA	NA			2TO-61 - Full Stroke (Open)	Tested once quarterly
										2TO-61 - Full Stroke (Closed)	Tested once quarterly
2TO-145	O FD-135B-02-02	SO	Category B		No	NA	3			Skid Mounted	Tested once quarterly
3TO-59	O FD-135B-03-02	SA	Category C	RG	Yes	NA	NA			3TO-59 - Full Stroke (Open)	Tested once quarterly
3TO-61	O FD-135B-03-02	SA	Category C	CK	Yes	NA	NA			3TO-61 - Full Stroke (Open)	Tested once quarterly
										3TO-61 - Full Stroke (Closed)	Tested once quarterly

OCONEE NUCLEAR STATION

TO - TURBINE OIL

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
3TO-145	O FD-135B-03-02	SO	Category B	SV	No	NA	3			Skid Mounted	Tested once quarterly

OCONEE NUCLEAR STATION

V - VACUUM

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1V-186	O FD-121C-01-01	ML	Category B	GA	Yes	NA	N/A			1V-186 - Stroke Time (Cls to Opn)	Tested every cold shutdown
										Manual Stroke Time (Open)	Tested once every two years
										1V-186 - Manual Stroke Elec Valve (Open)	Tested every refueling outage
										1V-186 - Position Indicator (Open)	Tested once every two years
										1V-186 - Position Indicator (Closed)	Tested once every two years
2V-186	O FD-121C-02-01	ML	Category B	GA	Yes	NA	N/A			2V-186 - Stroke Time (Cls to Opn)	Tested every cold shutdown
										2V-186 - Manual Stroke Elec Valve (Open)	Tested every refueling outage
										2V-186 - Position Indicator (Open)	Tested once every two years
										2V-186 - Position Indicator (Closed)	Tested once every two years
										Manual Stroke Time (Open)	Tested once every two years
3V-186	O FD-121C-03-01	ML	Category B	GA	Yes	NA	N/A			3V-186 - Stroke Time (Cls to Opn)	Tested every cold shutdown
										3V-186 - Manual Stroke Elec Valve	Tested every refueling outage

OCONEE NUCLEAR STATION

V - VACUUM

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Activ.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
										(Open)	
										3V-186 - Position Indicator (Open)	Tested once every two years
										3V-186 - Position Indicator (Closed)	Tested once every two years
										Manual Stroke Time (Open)	Tested once every two years

OCONEE NUCLEAR STATION

WC - WATER, CHILLED

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
3WC-80	O FD-116J-03-03	MA	Category B	GL	Yes		N/A			Full Stroke (Both)	Tested once every two years
3WC-82	O FD-116J-03-03	MA	Category B	GA	Yes		N/A			Full Stroke (Both)	Tested once every two years
3WC-84	O FD-116J-03-03	MA	Category B	GA	Yes		N/A			Full Stroke (Both)	Tested once every two years
3WC-85	O FD-116J-03-03	MA	Category B	GA	Yes		N/A			Full Stroke (Both)	Tested once every two years
3WC-86	O FD-116J-03-03	MA	Category B	GA	Yes		N/A			Full Stroke (Both)	Tested once every two years
3WC-87	O FD-116J-03-03	MA	Category B	GA	Yes		N/A			Full Stroke (Both)	Tested once every two years
3WC-90	O FD-116J-03-03	MA	Category B	GA	Yes		N/A			Full Stroke (Both)	Tested once every two years
3WC-92	O FD-116J-03-03	MA	Category B	GA	Yes		N/A			Full Stroke (Both)	Tested once every two years
3WC-93	O FD-116J-03-03	MA	Category B	GL	Yes		N/A			Full Stroke (Both)	Tested once every two years
3WC-99	O FD-116J-03-03	MA	Category B	GL	Yes		N/A			Full Stroke (Both)	Tested once every two years
3WC-101	O FD-116J-03-03	MA	Category B	GA	Yes		N/A			Full Stroke (Both)	Tested once every

OCONEE NUCLEAR STATION

WC - WATER, CHILLED

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
											two years
3WC-103	O FD-116J-03-03	MA	Category B	GA	Yes		N/A			Full Stroke (Both)	Tested once every two years
3WC-104	O FD-116J-03-03	MA	Category B	GA	Yes		N/A			Full Stroke (Both)	Tested once every two years
3WC-105	O FD-116J-03-03	MA	Category B	GA	Yes		N/A			Full Stroke (Both)	Tested once every two years
3WC-106	O FD-116J-03-03	MA	Category B	GA	Yes		N/A			Full Stroke (Both)	Tested once every two years
3WC-109	O FD-116J-03-03	MA	Category B	GA	Yes		N/A			Full Stroke (Both)	Tested once every two years
3WC-111	O FD-116J-03-03	MA	Category B	GA	Yes		N/A			Full Stroke (Both)	Tested once every two years
3WC-112	O FD-116J-03-03	MA	Category B	GA	Yes		N/A			Full Stroke (Both)	Tested once every two years
3WC-116	O FD-116J-03-03	MA	Category B	GL	Yes		N/A			Full Stroke (Both)	Tested once every two years
3WC-118	O FD-116J-03-03	MA	Category B	GA	Yes		N/A			Full Stroke (Both)	Tested once every two years
3WC-120	O FD-116J-03-03	MA	Category B	GA	Yes		N/A			Full Stroke (Both)	Tested once every two years

OCONEE NUCLEAR STATION

WC - WATER, CHILLED

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
3WC-121	O FD-116J-03-03	MA	Category B	GA	Yes		N/A			Full Stroke (Both)	Tested once every two years
3WC-122	O FD-116J-03-03	MA	Category B	GA	Yes		N/A			Full Stroke (Both)	Tested once every two years
3WC-123	O FD-116J-03-03	MA	Category B	GA	Yes		N/A			Full Stroke (Both)	Tested once every two years
3WC-126	O FD-116J-03-03	MA	Category B	GA	Yes		N/A			Full Stroke (Both)	Tested once every two years
3WC-128	O FD-116J-03-03	MA	Category B	GA	Yes		N/A			Full Stroke (Both)	Tested once every two years
3WC-129	O FD-116J-03-03	MA	Category B	GL	Yes		N/A			Full Stroke (Both)	Tested once every two years

OCONEE NUCLEAR STATION

WL - TURBINE GENE COOLING WATER

Equipment ID	Flow Diagram	Actuator Design	Valve Catg.	Valve Type	IST Actv.	Pump Group	ASME Class	Relief Request	JOD	Test Plan	Frequency
1WL-11	K FD-100A-01-01	AO	Category B	GL	Yes	NA	3			1 WL-11 - Stroke Time (Open to Closed)	Tested once quarterly
2WL-11	K FD-100A-02-01	AO	Category B	GL	Yes	NA	3			2-WL-11 - Stroke Time (Open to Closed)	Tested once quarterly

DUKE ENERGY
OCONEE NUCLEAR STATION

Correspondence

Section 8.0

SUMMARY OF CHANGES
INSERVICE TESTING PROGRAM
Revision 27 Submitted
Oconee Nuclear Station Units 1, 2, and 3

ACTIVITY DESCRIPTION

Revision 27 to the ASME Inservice Testing Program for Oconee Nuclear Station Units 1, 2, and 3, is hereby submitted. Oconee Nuclear Station is currently beginning its Fifth Ten Year Interval effective July 1, 2012. Program updates are made as dictated by additions, deletions, and/or revisions to design basis documents (DBDs), design calculations, and physical modifications to the plant. In addition to the required 120 month update, the Pump and Valve Inservice Test Program Manual is updated and submitted to the NRC when a sufficient number of revisions to the IST Program have been made. Since the IST Program is constantly updated, this submittal represents a snapshot in time, on the date it was printed.

The effective date for this submittal is __July 1, 2012. This submittal documents the ONS upgrade to the ASME Operations and Maintenance (OMb 2006) Code. Oconee Units 1, 2, and 3 ASME Inservice Testing Program includes both format and content changes. Several format changes are being made to align with recommendations in NUREG 1482 (Guidelines for Inservice Testing at Nuclear Power Plants). The changes made since the last submittal are summarized as follows:

General and/or Editorial Changes
Pump Changes
Valve Changes
Detailed Description of Changes
Relief Requests
Justification for Deferrals

VALVE INSERVICE TESTING GENERAL DATA

- ⇒ All Justifications for Deferral and Relief Requests have been revised to reflect the new ASME Code editions. Where content of the Deferrals or Relief Requests have been significantly modified, the information is captured under the appropriate sections within this document..
- ⇒ The station is currently implementing Improved Technical Specifications. Current TS numbers have been deleted.
- ⇒ Valve numbers with unit number "0" identification have been designated by no unit number indicating common or shared system.
- ⇒ Some additional stroke requirements with different test frequencies have been added for some valves. These were added to facilitate the use of other available procedures to stroke valves during other periods such as cold shutdown or refueling.
- ⇒ All Valves subject to ASME Code (previously called Section XI) Leakage requirement(s), previously scheduled during a refueling cycle, have been changed to read "tested at least once every two years" per the ASME Code.

ABBREVIATION CHANGES

Deleted TEST TYPE and FREQUENCY abbreviation tables and added ACTUATOR DESIGN and VALVE TYPE tables consistent with Olympus and NAS applications used to generate the submittal report. Frequency and test type abbreviations are no longer used in the submittal.

**SUMMARY OF CHANGES
INSERVICE TESTING PROGRAM**
Revision 27 Submitted
Oconee Nuclear Station Units 1, 2, and 3

PUMPS – ADDED TO OCONEE INSERVICE TESTING PROGRAM

The following pumps have been **added** to the Oconee Inservice Testing Program:

Pump	System	Change Document
No revisions		

PUMPS – REMOVED FROM OCONEE INSERVICE TESTING PROGRAM

The following pumps have been **deleted** from the Oconee Inservice Testing Program:

Pump	System	Change Document
No revisions		

PUMPS – TRANSFERRED TO OCONEE INSERVICE TESTING PROGRAM

The following pumps have been **transferred** from Oconee Supplemental Appendix B Program and are now tested in the Oconee Inservice Testing Program:

Pump	System	Change Document
No revisions		

PUMPS – TRANSFERRED TO OCONEE SUPPLEMENTAL APPENDIX B PROGRAM

The following pumps have been **transferred** from Oconee Inservice Testing Program and are now tested in the Supplemental Appendix B Program:

Pump	System	Change Document
K1GBOPU088A	Keowee Turb Guide Brg Oil	Upgraded to OMa-2006, skid mounted component
K2GBOPU088A	Keowee Turb Guide Brg Oil	Upgraded to OMa-2006, skid mounted component
K1GBOPU088D	Keowee Turb Guide Brg Oil	Upgraded to OMa-2006, skid mounted component
K2GBOPU088D	Keowee Turb Guide Brg Oil	Upgraded to OMa-2006, skid mounted component
ON1LPIPU0003	Low Pressure Injection	Upgraded to OMa-2006
ON2LPIPU0003	Low Pressure Injection	Upgraded to OMa-2006
ON3LPIPU0003	Low Pressure Injection	Upgraded to OMa-2006
K1TSPU088SA	Keowee AC Turbine Sump	Upgraded to OMa-2006, skid mounted component
K2TSPU088SA	Keowee AC Turbine Sump	Upgraded to OMa-2006, skid mounted component
K1TSPU088SD	Keowee DC Turbine Sump	Upgraded to OMa-2006, skid mounted component
K1TSPU088SD	Keowee DC Turbine Sump	Upgraded to OMa-2006, skid mounted component

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VALVES – ADDED TO OCONEE INSERVICE TESTING PROGRAM

The following valves have been **added** to the Oconee Inservice Testing Program:

Valve	System	Change Document
1,2,3C0898	Condensate	NSM ON-13098, NSM ON-23098, NSM ON-33098
1,2,3C0903	Condensate	NSM ON-13098, NSM ON-23098, NSM ON-33098
1,2,3C0904	Condensate	NSM ON-13098, NSM ON-23098, NSM ON-33098
1,2,3C0906	Condensate	NSM ON-13098, NSM ON-23098, NSM ON-33098
1,2,3C0907	Condensate	NSM ON-13098, NSM ON-23098, NSM ON-33098
1,2,3C0908	Condensate	NSM ON-13098, NSM ON-23098, NSM ON-33098
CCW0285	Condenser Cooling Water	PIP 99-0902
CCW0487	Condenser Cooling Water	NSM ON-22932
1,2,3CCW0410	Condenser Cooling Water	OSC-6658, Turbine Building Flood: Event Mitigation Requirements
2CCW0026	Condenser Cooling Water	NSM ON-22932
2CCW0028	Condenser Cooling Water	NSM ON-22932
1,2,3GWD0019	Gaseous Waste Disposal	Upgraded to OMa-2006 (passive PI test only)
1,2,3HP0939	High Pressure Injection	NSM ON-13106, NSM ON-23106, NSM ON-33106 , PIP O 05-0458, PIP O 05-2697, PIP O 05-5897
1,2,3HP0940	High Pressure Injection	NSM ON-13106, NSM ON-23106, NSM ON-33106 , PIP O 05-0458, PIP O 05-2697, PIP O 05-5897
1,2,3HP0973	High Pressure Injection	NSM ON-13106, NSM ON-23106, NSM ON-33106 , PIP O 05-0458, PIP O 05-2697, PIP O 05-5897
1,2,3HP0974	High Pressure Injection	NSM ON-13106, NSM ON-23106, NSM ON-33106 , PIP O 05-0458, PIP O 05-2697, PIP O 05-5897
1,2,3HPS0943	High Pressure Service Water	PT/1/A/0251/078, PIP O 05-2734 NSM ON-13117, PIP O 09-5314, PIP O 11-2201
1,2LP0004	Low Pressure Injection	ONOE-16405
1,2LP0074	Low Pressure Injection	PIP 99-0902
1,2LP0139	Low Pressure Injection	ONOE-16950
1,2,3LP0167	Low Pressure Injection	NSM ON-13093, NSM ON-23093, NSM ON-33093
1,2,3LP0176	Low Pressure Injection	NSM ON-13093, NSM ON-23093, NSM ON-33093
1,2,3LP0177	Low Pressure Injection	NSM ON-13093, NSM ON-23093, NSM ON-33093
1,2LP0195	Low Pressure Injection	OD-500959
1,2LP0196	Low Pressure Injection	OD-500959
1,2,3LPSW1054	Low Pressure Service Water	NSM-ON-13107, NSM-ON-23107, NSM-ON-33107
1,2,3LPSW1055	Low Pressure Service Water	NSM-ON-13107, NSM-ON-23107, NSM-ON-33107

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1,2,3LPSW1057	Low Pressure Service Water	NSM-ON-13107, NSM-ON-23107, NSM-ON-33107
1,2,3LPSW1061	Low Pressure Service Water	NSM-ON-13107, NSM-ON-23107, NSM-ON-33107
1,2,3LPSW1062	Low Pressure Service Water	NSM-ON-13107, NSM-ON-23107, NSM-ON-33107
1,2,3LPSW1089	Low Pressure Service Water	NSM-ON-13107, NSM-ON-23107, NSM-ON-33107
1,2,3LPSW1111	Low Pressure Service Water	NSM-ON-13107, NSM-ON-23107, NSM-ON-33107
1,2,3LPSW1116	Low Pressure Service Water	NSM-ON-13107, NSM-ON-23107, NSM-ON-33107
1,2,3LPSW1121	Low Pressure Service Water	NSM-ON-13107, NSM-ON-23107, NSM-ON-33107
1,2,3LPSW1122	Low Pressure Service Water	NSM-ON-13107, NSM-ON-23107, NSM-ON-33107
1,2,3LPSW1123	Low Pressure Service Water	NSM-ON-13107, NSM-ON-23107, NSM-ON-33107
1,2,3LPSW1124	Low Pressure Service Water	NSM-ON-13107, NSM-ON-23107, NSM-ON-33107
1,2,3LPSW1127	Low Pressure Service Water	NSM-ON-13107, NSM-ON-23107, NSM-ON-33107
1,2,3LPSW1135	Low Pressure Service Water	NSM-ON-13107, NSM-ON-23107, NSM-ON-33107
1,2,3LPSW1150	Low Pressure Service Water	NSM-ON-13107, NSM-ON-23107, NSM-ON-33107
1,2,3LPSW1151	Low Pressure Service Water	NSM-ON-13107, NSM-ON-23107, NSM-ON-33107
1,2,3MS0095	Main Steam	NSM ON-23053
1,2,3RC0155	Reactor Coolant	SLC 16.5.4, OSC-6116
1,2,3RC0156	Reactor Coolant	SLC 16.5.4, OSC-6116
1,2,3RC0157	Reactor Coolant	SLC 16.5.4, OSC-6116
1,2,3RC0158	Reactor Coolant	SLC 16.5.4, OSC-6116
1,2,3RC0159	Reactor Coolant	SLC 16.5.4, OSC-6116
1,2,3RC0160	Reactor Coolant	SLC 16.5.4, OSC-6116
1,2,3RC0162	Reactor Coolant	SLC 16.5.4, OSC-6116
1,2,3RC0163	Reactor Coolant	SLC 16.5.4, OSC-6116
1,3SF0060	Spent Fuel Cooling	OE-13630, OE-13632
1,2,3SF0061	Spent Fuel Cooling	OE-13630, OE-13632

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VALVES – REMOVED FROM OCONEE INSERVICE TESTING PROGRAM

The following valves have been **deleted** from the Oconee Inservice Testing Program:

Valve	System	Change Document
1,2,3C0152	Condensate	NSM-ON-13098
1,2,3C0153	Condensate	NSM-ON-13098
1,2,3C0176	Condensate	NSM-ON-13098
1,2,3C0187	Condensate	NSM-ON-13098
1,2,3C0192	Condensate	NSM-ON-13098
CCW0008	Condenser Circulating Water	NSM ON-13000
1,2,3GBO0001	Keowee Guide Bearing Oil	skid mounted (refer to Prog Document 5.6)
1,2,3GBO0003	Keowee Guide Bearing Oil	skid mounted(refer to Prog Document 5.6)
1,2,3HP0247	High Pressure Injection	NSM ON-23106, ON-23106, ON-33106
1,2,3HP0249	High Pressure Injection	NSM ON-23106, ON-23106, ON-33106
1,2,3HP0251	High Pressure Injection	NSM ON-23106, ON-23106, ON-33106
1,2,3LP0051	Low Pressure Injection	NSM ON-33104
1,2,3LP0060	Low Pressure Injection	ONOE 16470
1,2,3LP0061	Low Pressure Injection	ONOE 16470
1,2,3LPSW0565	Low Pressure Service Water	NSM-ON-13107, NSM-ON-23107, NSM-ON-33107
1,2,3LPSW0566	Low Pressure Service Water	NSM-ON-13107, NSM-ON-23107, NSM-ON-33107
1,2OG0013	Keowee Governor Oil	ONOE-11343
1,2OG0016	Keowee Governor Oil	ONOE-11343
1,2OG0019	Keowee Governor Oil	ONOE-11343
1,2,3PR0015	Penetration Room Vent	ONOE-13366, PIP 04-4959
1,2,3PR0019	Penetration Room Vent	ONOE-13366, PIP 04-4959
1,2,3PR0034	Penetration Room Vent	ONOE-17490, PIP 02-1066
1,2,3PR0035	Penetration Room Vent	ONOE-17490, PIP 02-1066
1,2,3PR0115	Penetration Room Vent	ONOE-17490, PIP 02-1066
1,2,3PR0116	Penetration Room Vent	ONOE-17490, PIP 02-1066

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RELIEF REQUESTS

PUMPS - SPECIFIC RELIEF REQUEST - ADDED

The following Relief Requests have been **added** to the Oconee Inservice Testing Program:

SRP	Pumps
ON-SRP-HPI-03	HPI Pumps

PUMPS - SPECIFIC RELIEF REQUEST - DELETED

The following Relief Requests have been **deleted** from the Oconee Inservice Testing Program:

SRP	Pumps
ON-SRP-HPI-01	SSF RC Makeup Pumps
ON-SRP-HPI-02	Unit 3 SSF RC Makeup Pump
ON-SRP-TS-01	Keowee Turbine Room Sump Pumps

PUMPS – GENERIC RELIEF REQUEST - DELETED

The following Relief Requests have been **deleted** from the Oconee Inservice Testing Program:

GRP	Pumps
No revisions	

VALVES - GENERIC RELIEF REQUEST – DELETED

The following Relief Requests have been **deleted** from the Oconee Inservice Testing Program:

GRV	Valves
ON-GRV-3	Multiple valves with fail safe actuators
ON-GRV-12	Multiple safety and relief valves set-pressure testing
ON-GRV-15	Multiple valves with passive safety functions remote position indication testing
ON-GRV-16	1/2/3HP0098, 1/2/3HP0115, 1/2/3HP0405, 1/2/3HP0417, 1/2/3LP0008, 1/2LP0011, 1/2LP0013, 0LPSW0001, 0LPSW0002, 0LPSW0003, 3LPSW0120, 3LPSW0124

VALVES - SPECIFIC RELIEF REQUEST - DELETED

The following Relief Requests have been **deleted** from the Oconee Inservice Testing Program:

SRV	Valves
ON-SRV-CF-01	1/2/3CF0011, 1/2/3CF0013
ON-SRV-CF-02	1/2/3CF0012, 1/2/3CF0014

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JUSTIFICATION FOR DEFERRAL - NEW

The following Justification for Deferrals have been **added** to the Oconee Inservice Testing Program:

JFD	Valves
ON-HP-23	1,2,3HP0939, 1,2,3HP0940
ON-HP-24	1,2,3HP0973, 1,2,3HP0974
ON-HPSW-01	1,2,3HPSW0943
ON-LP-12	1,2,3LP0167
ON-LP-13	1,2,3LP0104
ON-LPSW-06	1,2,3LPSW1121, 1,2,3LPSW1122, 1,2,3LPSW1123, 1,2,3LPSW1124
ON-LPSW-07	2,3LPSW0018, 2,3LPSW0021, 2,3LPSW0024
ON-RC-06	1,2,3RC0155, 1,2,3RC0156, 1,2,3RC0157, 1,2,3RC0158, 1,2,3RC0159, 1,2,3RC0160

JUSTIFICATION FOR DEFERRAL - DELETED

The following Justification for Deferrals have been **deleted** from the Oconee Inservice Testing Program:

JFD	Valves
ON-BS-01	1,2,3BS0011, 1,2,3BS0016
ON-BS-02	1,2,3BS0014, 1,2,3BS0019
ON-C-02	1,2,3C0572
ON-CF-01	1,2,3CF0011, 1,2,3CF0013
ON-CF-02	1,2,3CF0012, 1,2,3BS0014
ON-FDW-02	1,2,3FDW0311, 1,2,3FDW0312
ON-FDW-04	1,2,3FDW0039, 1,2,3FDW0432
ON-FDW-06	1,2,3FDW0232, 1,2,3FDW0233
ON-FDW-07	1,2,3FDW0317, 1,2,3FDW0318
ON-FDW-08	1,2,3FDW0345, 1,2,3FDW0346
ON-FDW-09	1,2,3FDW0373, 1,2,3FDWE0383
ON-FDW-10	1,2,3FDW0378, 1,2,3FDW0388
ON-FDW-11	1,2,3FDW0442
ON-FO-01	FO0050
ON-HP-05	1,2,3HP0097
ON-HP-08	1,2,3HP0189
ON-HP-10	1,2,3HP0101, 1,2,3HP0102
ON-HP-11	1,2,3HP0105, 1,2,3HP0109, 1,2,3HP0113
ON-HP-12	1,2,3HP0486, 1,2,3HP0487
ON-HP-13	1,2,3HP0488, 1,2,3HP0489
ON-HP-14	1,2,3HP0188
ON-HP-15	1,2,3HP0194

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ON-HP-16	1,2,3HP0248, 1,2,3HP0250
ON-HP-19	1HP0254, 2HP0494, 3HP0254
ON-HP-20	1,2,3HP0451, 1,2,3HP0453
ON-HP-21	1,2,3HP0078
ON-HP-22	1,2,3HP0252
ON-LP-02	1,2,3LP0047, 1,2,3LP0048
ON-LP-04	1,2,3LP0031
ON-LP-06	1,2,3LP0055, 1,2,3LP0057
ON-LP-09	1,2,3LP0029, 1,2,3LP0030
ON-LPSW-03	1LPS0148, 1LPS0151, 2LPS0503, 3LPS0148, 3LPS0503
ON-LWD-01	(deleted from index only)
ON-PR-02	1,2,3PR0115, 1,2,3PR0116

JUSTIFICATION FOR DEFERRAL – REVISIONS

The following **changes** have been made to Justification for Deferrals contained within Oconee Inservice Testing Program:

JFD	Valve Number(s)	Change
ON-C-01	1,2,3C0573	Updated to current OMB-2006 code references
ON-C-03	1,2,3C0850, 0852	Updated to current OMB-2006 code references
ON-CC-01	1,2,3CC0007, 0008	Updated to current OMB-2006 code references
ON-CC-02	1,2,3CC0020, 0024, 0076, 0077	Updated to current OMB-2006 code references
ON-CF-03	1,2,3CF0042, 0	Updated to current OMB-2006 code references
ON-CS-01	1,2,3CS0011, 0012	Updated to current OMB-2006 code references
ON-CS-02	1,2,3CS0197	Updated to current OMB-2006 code references
ON-FDW-01	1,2,3FDW0035, 0044	Updated to current OMB-2006 code references
ON-FDW-03	1,2,3FDW0032, 0041	Updated to current OMB-2006 code references
ON-HP-01	1,2,3HP0005	Updated to current OMB-2006 code references
ON-HP-02	1,2,3HP0020, 0021	Updated to current OMB-2006 code references
ON-HP-03	1,2,3HP0026	Updated to current OMB-2006 code references
ON-HP-04	1,2,3HP0409, 0410	Updated to current OMB-2006 code references
ON-HP-06	1,2,3HP0247, 0249, 0251	Updated to current OMB-2006 code references
ON-HP-07	1,2,3HP0003, 0004	Updated to current OMB-2006 code references
ON-HP-17	1,2,3HP0144, 0145, 00146, 0147 0390, 0454, 0457, 1,3HP0393, 2HP0389	Updated to current OMB-2006 code references
ON-HP-07	1,2,3HP0003, 0004	Updated to current OMB-2006 code references
ON-HP-07	1,2,3HP0003, 0004	Updated to current OMB-2006 code references
ON-LP-01	1,2,3LP0001	Updated to current OMB-2006 code references

SUMMARY OF CHANGES INSERVICE TESTING PROGRAM

Revision 27 Submitted
Oconee Nuclear Station Units 1, 2, and 3

ON-LP-03	1,2,3LP0103	Updated to current OMB-2006 code references and removed 1,2,3LP0104 (see new ON-LP-13)
ON-LP-07	1,2,3LP0017, 0018	Updated to current OMB-2006 code references
ON-LP-08	1,2,3LP0105	Updated to current OMB-2006 code references
ON-LP-10	1,2,3LP0019, 0020	Updated to current OMB-2006 code references
ON-LPSW-01	1,2,3LPS0006, 0015	Updated to current OMB-2006 code references
ON-LPSW-02	3LPS0139	Updated to current OMB-2006 code references
ON-LPSW-05	1LPS0018, 0021, 0024	Updated to current OMB-2006 code references and removed 2,3LPS0021, 0024 (see new ON-LPSW-07)
ON-MS-01	1,2,3MS0002, 0003, 0004, 0005	Updated to current OMB-2006 code references
ON-MS-02	1,2,3MS0017, 0026	Updated to current OMB-2006 code references
ON-MS-03	1,2,3MS0035, 0036	Updated to current OMB-2006 code references
ON-MS-04	1,2,3MS0076, 0079	Updated to current OMB-2006 code references
ON-MS-07	1,2,3MS0153, 0155, 0161, 163	Updated to current OMB-2006 code references
ON-N-01	1,2,3N0129, 0131	Updated to current OMB-2006 code references
ON-N-02	1,2,3N0246	Updated to current OMB-2006 code references
ON-RC-02	1,2,3RC0001	Updated to current OMB-2006 code references
ON-RC-04	1,2,3RC0066	Updated to current OMB-2006 code references
ON-RC-05	1,2,3RC0207, 0208	Updated to current OMB-2006 code references
ON-RX-01	1RC01RX, 2RC02RX, 3RC03RX	Updated to current OMB-2006 code references
ON-SSF-01	1,2,3CCW 0269	Updated to current OMB-2006 code references
ON-SSF-02	1,2,3HP0399, 0400, 0401, 0402	Updated to current OMB-2006 code references
ON-SSF-01	1,2,3HP0398	Updated to current OMB-2006 code references
ON-SSF-04	1,2,3HP0426	Updated to current OMB-2006 code references
ON-LPSW-01	1,2,3LPS0006, 0015	Updated to current OMB-2006 code references