

**LaSalle County Station
Units #1 and #2**

Pump and Valve Inservice Testing Program Plan

2nd Ten Year Interval

**Revision 1
October 10, 1995**

**INSERVICE TESTING PLAN
FOR PUMPS AND VALVES**

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INSERVICE TESTING PLAN FOR PUMPS AND VALVES

1.0 INTRODUCTION

1.1 Purpose

The purpose of this program plan is to provide the requirements for the performance and administration of assessing the operational readiness of pumps and valves whose specific functions are required in shutting down the reactor to the cold shutdown condition, in maintaining the cold shutdown condition, or in mitigating the consequences of an accident.

This program plan establishes the requirements for the implementing procedures for inservice testing and evaluation of selected pumps and valves.

1.2 Scope

The program plan incorporates and complies with the requirements of the 1989 Edition of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, Section XI; Subsections IWP, Inservice Testing of Pumps in Nuclear Power Plants and Subsection IWV, Inservice Testing of Valves in Nuclear Power Plants.

ASME Section XI Article IWP-1100 requires pump testing be performed in accordance with the requirements stated in ASME/ANSI OM (Part 6). ASME Section XI Article IWV-1100 requires valve testing be performed in accordance with the requirements stated in ASME/ANSI OM (Parts 1 and 10). The program plan incorporates and complies with the requirements for pump and valve testing set forth in the 1987 Edition through OMA 1988 Addenda of the ASME/ANSI Operations and Maintenance of Nuclear Power Plant Standard.

The LaSalle County Station Pump and Valve Inservice Testing Plan will be in effect through the second 120 month interval (November 23, 2004) and will be updated in accordance with 10CFR50.55a (g) and Technical Specifications 4.0.5.

INSERVICE TESTING PLAN FOR PUMPS AND VALVES

1.2 Scope (continued)

Attachments to the program plan provide a complete listing of those pumps and valves included in the program per the requirements of OM Part 1, Requirements for Inservice Performance Testing of Nuclear Power Plant Pressure Relief Devices, OM Part 6, Inservice Testing of Pumps in Light-Water Reactor Power Plants, and OM Part 10, Inservice Testing of Valves in Light-Water Reactor Power Plants.

1.3 Program Basis

The LaSalle County Nuclear Station inservice inspection (ISI) boundary classifications incorporate the quality group boundaries shown on the plant piping and instrument diagrams (P&ID's). The inservice testing (IST) program components were identified using these ISI safety classification boundaries along with the references listed in section 1.4, References. These boundaries were used to classify all IST components (ASME 1, 2, 3 and N).

After all components were identified and classified, the safety functions for each component were determined. The safety function reference of each component was identified and documented (FSAR, Technical Specification, Architectural Engineer Component Listing, etc.).

Valves included in the IST Program were categorized in accordance with ASME/ANSI OM-1987 Part 10, Section 1.4. Pumps included in the IST Program were identified as either centrifugal or reciprocating.

After the component classification, categorization and functions were established, ASME/ANSI OM-1987 Parts 1, 6, and 10 were incorporated to assign the Test Type and Test Frequencies for each pump and valve identified. Assignment of test frequency was performed on a most limiting basis considering all Technical Specification, FSAR, and licensing commitments.

INSERVICE TESTING PLAN FOR PUMPS AND VALVES

1.3 Program Basis (continued)

A complete review of all assigned component test types and frequencies against the respective LaSalle County Station implementing procedures ensures this program plan shall verify operational readiness of each component's specific safety function.

Components placed in an inoperable status a.) due to exceeding an acceptance criteria must undergo a repair, replacement, evaluation or corrective maintenance and a satisfactory test performed or b.) because of exceeding the scheduled test frequency must be satisfactorily tested prior to returning the component to an operable condition.

1.4 References

- 1.4.1 Technical Specifications Section 4.0.5.
- 1.4.2 Updated Final Safety Analysis Report 3.1, 3.8, 3.9.6.
- 1.4.3 10CFR50.55a(g).
- 1.4.4 10CFR50, Appendix A, General Design Criteria for Nuclear Power Plants
- 1.4.5 10CFR50, Appendix J, Primary Reactor Containment Leakage Testing For Water-Cooled Power Reactors.
- 1.4.6 ASME Boiler and Pressure Vessel Code, Section XI, Subsections IWP and IWV, 1989 Edition, no Addenda.
- 1.4.7 ASME/ANSI Standard, Operations and Maintenance of Nuclear Power Plants, 1987 Edition through ASME/ANSI OMa-1988 Addenda.
- 1.4.8 ASME/ANSI OM Part 1, 1987, Requirements for Inservice Performance Testing of Nuclear Power Plant Pressure Relief Devices.

INSERVICE TESTING PLAN FOR PUMPS AND VALVES

- 1.4 References (continued)**
- 1.4.9 ASME/ANSI OM Part 6, 1987, 1987A Inservice Testing of Pumps in Light-Water Reactor Power Plants.
- 1.4.10 ASME/ANSI OM Part 10, 1987, 1987A Inservice Testing of Valves in Light-Water Reactor Power Plants.
- 1.4.11 Generic Letter No. 89-04, "Guidance on Developing Acceptable Inservice Testing Programs".
- 1.4.12 NUREG-0800, Standard Review Plan.
- 1.4.13 NRC Inspection Procedure 73756, Inservice Testing of Pumps and Valves, February 1987.
- 1.4.14 NRC Temporary Instruction 2515/110, Performance of Safety-Related Check Valves, November 1991.
- 1.4.15 NRC Temporary Instruction 2515/114, Inspection Requirements for Generic Letter 89-04, Acceptable Inservice Testing Programs, January 1992.
- 1.4.16 Safety Evaluation by NRC dated January 27, 1993.
- 1.5 Definitions**
- 1.5.1 *Valve Reference Value* - a fixed set of valve operating parameters (such as stroke time, leakage rate, etc.) which reflect acceptable valve operating characteristics and are determined from the results of a baseline preoperational or inservice test. These reference values shall be readily duplicated during subsequent inservice testing under conditions as near as practicable to those expected.

INSERVICE TESTING PLAN FOR PUMPS AND VALVES

1.5 Definitions (continued)

- 1.5.2 *Pump Reference Value* - one or more fixed set of pump operating parameters which reflect acceptable pump operating characteristics and are determined from the results of a baseline preoperational or inservice test. They shall be at points of operation which are readily duplicated during subsequent inservice testing under conditions as near as practicable to those expected.
- 1.5.3 *Valve Exercise Test* - a test which exercises a valve to the position required for it to fulfill its necessary safety function.
- 1.5.4 *Full Stroke Time* - the time interval from initiation of the actuating signal to the indication of the end of the operating stroke.
- 1.5.5 *Partial Stroke* - the exercising of a valve in the open direction to verify disk movement off the seat. This is normally performed with check valves using lower than design accident system flow rates.
- 1.5.6 *Leakage Rate Test* - verification of the leak tight integrity of a valve using differential gas or liquid pressure or system fluid pressure.
- 1.5.7 *Alert Range* - the range for a given pump or valve parameter outside the normal operating range in which an increased testing frequency is specified.
- 1.5.8 *Required Action Range* - that region outside the upper and lower limits in which the pump or valve is considered inoperable until the cause of the deviation has been determined and the condition corrected.

INSERVICE TESTING PLAN FOR PUMPS AND VALVES

2.0 INSERVICE TESTING PLAN FOR PUMPS

2.1 Pump Inservice Testing Plan Description

This program plan establishes the requirements for the performance, administration and implementation of the Inservice Testing Plan for selected pumps at LaSalle County Nuclear Station Units #1 and #2. This plan includes those pumps which are provided with an emergency power source and are required in shutting down the reactor to the cold shutdown condition, maintaining the cold shutdown condition, or mitigating the consequences of an accident.

This program plan meets the requirements of ASME/ANSI OM-1987, Part 6 with the exception of specific relief requests contained in Attachment 5.

2.2 Pump Plan Table Description

The pumps included in the LaSalle County Nuclear Station IST Plan are listed in Attachment 9. The information contained in these tables identifies those pumps required to be tested to the requirements of ASME Section XI, the testing parameters and frequency of testing, and associated relief requests and remarks. The headings for the pump tables are delineated below.

- 2.2.1 Facility - The unit designation for the pump (Unit 1, Unit 2 or Unit 0).
- 2.2.2 System ID - The two letter system abbreviation code and system name for the pump.
- 2.2.3 Pump Number - The unique Equipment Part Number (EPN) for the pump.
- 2.2.4 P&ID - The Piping and Instrumentation Drawing on which the pump is represented. All drawing numbers are prefixed with "M". Sheet numbers follow the drawing number.
- 2.2.5 Coord - The coordinate location of the pump on the P&ID.

INSERVICE TESTING PLAN FOR PUMPS AND VALVES

- 2.2 Pump Plan Tables (continued)**
- 2.2.6 Class - The ISI safety classification of the pump (1, 2, 3, or N for non-code).
- 2.2.7 Pump Type - The type of pump, centrifugal or reciprocating.
- 2.2.8 Test - The Inservice tests performed on the pump.
- DPT - Differential Pressure Test
FRT - Flow Rate Test
ST - Speed Test
VT - Vibration Test
- 2.2.9 Test Sched - The frequency for performing the specified inservice test.
- Q - Quarterly (92 days)
CS - Cold Shutdown
RR - Reactor Refueling Outage
- 2.2.10 RP - Pump Relief Request number.
- 2.2.11 Tech Pos - Technical Position number.
- 2.2.12 Pump description

2.3 Pump Inservice Test Requirements

2.3.1 Frequency and Scheduling of Pump Inservice Testing

Pump Inservice tests are conducted on each pump listed in the program each quarter during normal plant operation. This test frequency is maintained during shutdown periods if reasonably achievable.



INSERVICE TESTING PLAN FOR PUMPS AND VALVES

2.3 Pump Inservice Test Requirements (continued)

2.3.2 Effect of Repairs and Maintenance on Reference Values

When a reference value or set of values may have been affected by repair, replacement, or routine servicing of a pump, a new reference value or set of values shall be determined or the previous value reconfirmed by an inservice test run prior to declaring the pump operable.

2.3.3 Instrument Accuracy

The limits for instrument accuracies are provided in Table 1 of OM - Part 6. LaSalle Station instruments meet these requirements except where specific written relief has been requested.

2.3.4 Test Parameters

Speed (N) - Pump speed is only measured for variable speed pumps.

Differential Pressure (ΔP) - Differential pressure is calculated from suction and discharge pressure or obtained by direct differential pressure measurement.

Discharge Pressure (P) - Discharge pressure is measured for positive displacement pumps.

Flow Rate (Q) - Flow rate is measured using a rate or quantity meter installed in the pump test circuit.

INSERVICE TESTING PLAN FOR PUMPS AND VALVES

2.3 Pump Inservice Test Requirements (continued)

Vibration (V) - All centrifugal pumps will have vibration measurements taken in a plane approximately perpendicular to the rotating shaft in two orthogonal directions on each accessible pump bearing housing. Measurement will also be taken in the axial direction when accessible. Vertical line shaft pumps will have vibration measurements taken on the upper motor bearing housing in three orthogonal directions, one of which is the axial direction. Reciprocating pumps will have vibration measurements taken approximately perpendicular to the crankshaft and the line of plunger travel, including the axial direction when accessible on each pump bearing housing.

2.3.5 Allowable Ranges For Test Parameters

Tables 3a and 3b of OM-6 provide the allowable ranges for pump testing parameters.

Due to limitations in instruments and controls for maintaining flow, a tolerance for the setting of the fixed pump parameter has been established for some pumps. This tolerance is established per Section 5.3 of NUREG-1482 and documented in the applicable pump testing procedures.

2.3.6 Data Analysis and Evaluation

All test data is evaluated within 96 hours after completion of a test. If deviations fall within the alert range of Tables 3a and 3b, the frequency of testing is doubled until the cause of the deviation is determined and the condition corrected. If deviations fall within the required action range of the Tables, the pump is declared inoperable until the cause of the deviation has been determined and the condition corrected.



INSERVICE TESTING PLAN FOR PUMPS AND VALVES

3.0 INSERVICE TESTING PLAN FOR VALVES

3.1 Valve Inservice Testing Plan Description

This program establishes the requirements for the performance, administration and implementation of the Inservice Testing Plan for valves at LaSalle County Nuclear Station Units #1 and #2. This plan includes those valves which are required to perform a specific function in shutting down the reactor to the cold shutdown condition, in maintaining the cold shutdown condition, or in mitigating the consequences of an accident.

This plan establishes the test intervals, parameters to be measured, acceptance criteria and corrective actions and meets the requirements of ASME/ANSI OM-1987, Part 10 with the exception of the specific relief requests contained in Attachment 6.

Where the frequency requirements for valve testing have been determined to be impracticable, cold shutdown or refueling outage justifications have been identified and written. These justifications are provided in Attachments 7 and 8 respectively.

3.2 Valve Plan Table Description

The valves included in the LaSalle County Nuclear Station IST Plan are listed in Attachment 10. The information contained in these tables identifies those valves required to be tested to the requirements of ASME Section XI, the test parameters and frequency of testing, and the associated relief requests and remarks. Valves exempt per OM-10, Section 1.2 are not listed. The headings for the valve tables are delineated below.

- 3.2.1 Facility - The unit designation for the valve (Unit 1, Unit 2 or Unit 0).
- 3.2.2 System ID - The two letter system abbreviation code and the system name for the valve.
- 3.2.3 Valve Number - The unique Equipment Part Number (EPN) for the valve.

INSERVICE TESTING PLAN FOR PUMPS AND VALVES

3.2 Valve Plan Table Description (continued)

- 3.2.4 P&ID - The Piping and Instrumentation Drawing on which the valve is represented. All drawing numbers are prefixed with "M". Sheet numbers follow the drawing number.
- 3.2.5 Coord - The coordinate location of the valve on the P&ID.
- 3.2.6 Size - The nominal pipe size of the valve in inches.
- 3.2.7 Class - The ISI safety classification of the valve (1, 2, 3, or N for non-code).
- 3.2.8 Cat - The category assigned to the valve per the definitions of OM-10, Section 1.4.

Category A - valves for which seat leakage is limited to a specific maximum amount in the closed position for fulfillment of their required function(s).

Category B - valves for which seat leakage in the closed position is inconsequential for fulfillment of the required function(s).

Category C - valves which are self-actuating in response to some system characteristic, such as pressure (relief valves) or flow direction (check valves) for fulfillment of the required function(s).

Category D - valves which are actuated by an energy source capable of only one operation, such as rupture disks or explosively actuated valves.

**INSERVICE TESTING PLAN
FOR PUMPS AND VALVES**

3.2 Valve Plan Table Description (continued)

3.2.9 Valve Type - The type of valve is indicated by the following

BF	Butterfly Valve
BV	Ball Valve
CNV	Control Valve
CV	Check Valve
EFC	Excess Flow Check Valve
GB	Globe Valve
GT	Gate Valve
NSC	Non-Slam Check Valve
PG	Packless Globe Valve
RV	Relief Valve
SRV	Safety Relief Valve
SC	Stop Check Valve

3.2.10 Act Type - The valve actuator type is indicated by the following abbreviations

AO	Air Operator
EX	Explosive
M	Manual
MO	Motor Operated
SA	Self Actuating
SO	Solenoid Operated

3.2.11 Normal Pos - The position of the valve during normal power operations is indicated as follows

C	Normally Closed
O	Normally Open
LO	Locked Open
LC	Locked Closed
O/C	Open or Closed

INSERVICE TESTING PLAN FOR PUMPS AND VALVES

3.2 Valve Plan Table Description (continued)

3.2.12 Active/Passive - Active valves are valves which are required to change obturator position to accomplish their specific safety function. Passive valves are valves which maintain obturator position and are not required to change obturator position to accomplish their specific safety function.

3.2.13 Test - The test(s) performed to fulfill the requirements of OM-10, Section 4.0. The following abbreviations indicate the various valve tests performed.

AT Leakage Rate Test
AT1 Pressure Isolation Valve Leakage Rate Test
BTC Stroke Time Test to the Closed Position
BTO Stroke Time Test to the Open Position
CTC Check Valve Test to the Closed Position
CTO Check Valve Test to the Open Position
DT Explosive Valve Test
E Exercise Test
FST Fail Safe Test
PIT Position Indication Test
PS Partial Stroke/Exercise Test
RT Relief Valve Test

3.2.14 Test Sched - The frequency at which the valve tests are performed to fulfill the requirements of OM-10, Section 4.0. The following abbreviations indicate the test frequencies.

1Y One Year
2Y Two Years
5Y Five Years
10Y Ten Years
CS Cold Shutdown
M Monthly, 31 Days
Q Quarterly, 92 Days
RR Reactor Refueling
SA Semi-Annual
SAM Sample Plan
TS Technical Specification Frequency

INSERVICE TESTING PLAN FOR PUMPS AND VALVES

3.2 Valve Plan Table Description (continued)

3.2.15 RV/RJ/CS - A relief request number is listed when a specific code requirement is determined to be impracticable. Relief request numbers for valves are prefixed with "RV". A cold shutdown justification number is listed when the testing frequency is cold shutdown instead of quarterly exercising. Cold shutdown justification numbers for valves are prefixed with "CS". A refuel outage justification number is listed when the testing frequency is refueling instead of quarterly exercising. Refuel outage justification numbers for valves are prefixed with "RJ".

3.2.16 Tech Pos - Technical Position Number.

3.2.17 Notes - Identifies any applicable note(s) which provide additional information and/or methodologies.

3.3 Valve Inservice Test Requirements

3.3.1 Valve Position Verification Test

Valves with remote position indicators are observed locally to verify that valve operation is accurately indicated. This verification of position indication is performed at least once every two years and may be performed concurrently with the valve stroke timing procedure.

3.3.2 Inservice Tests for Category A and B Valves

Active Category A and B valves are full-stroke tested every three months to the position(s) required to fulfill their function. If full-stroke exercising during plant operation is not practicable it will be part-stroked during plant operation and full-stroked during cold shutdown. If exercising is not practicable during either plant operation or cold shutdown, the valve will be part-stroked during cold shutdown and full-stroked during refueling outages. If valve exercising is not practicable during operations or cold shutdowns, full-stroke testing will be limited to refueling outages.



INSERVICE TESTING PLAN FOR PUMPS AND VALVES

3.3 Valve Inservice Test Requirements (continued)

Cold shutdown or refueling outage justifications are provided in Attachments 7 and 8 for valves which are exercised at other than a quarterly frequency.

3.3.3 Valve Stroke Testing

Stroke time values for each power operated valve will be specified in the specific surveillance test procedure for the valve in question. Stroke times will be measured to the nearest second. Technical Position TP-01 includes the limiting values of full-stroke times for power operated valves. If a valve exceeds its limiting value of full-stroke time, it will be immediately declared inoperable. If a valve does not meet its acceptance criteria, it will be immediately retested or declared inoperable. If the valve is retested and the second set of data also does not meet the acceptance criteria, the data will be analyzed within 96 hours to verify that the new stroke time represents acceptable valve operation, or the valve will be declared inoperable. If the second set of data meets the acceptance criteria, the cause of the initial deviation shall be analyzed and the results documented in the record of tests.

3.3.4 Fail Safe Testing

Valves with fail-safe actuators are tested by observing the operation of the actuator upon loss of valve actuating power. Fail-safe testing may be performed in conjunction with valve full-stroke testing.

3.3.5 Category C Safety and Relief Valve Testing

Category C Safety and Relief Valves are tested in accordance with OM-1, Requirements for Inservice Performance Testing of Nuclear Power Plant Pressure Relief Devices.

**INSERVICE TESTING PLAN
FOR PUMPS AND VALVES**

3.3 Valve Inservice Test Requirements (continued)

3.3.6 Category C Check Valve Testing

Category C check valves are exercised or examined in a manner which verifies the disk travels to the position required to fulfill its function every three months unless it is not practicable during plant operation.

Cold shutdown and refueling outage justifications are provided in Attachments 7 and 8 for check valves which are not exercised every three months.

3.3.7 Category A Valve Seat Leakage Rate Testing

Category A valves which are containment isolation valves, are tested in accordance with 10CFR50, Appendix J. In addition, containment isolation valves which also provide a reactor coolant pressure isolation function (PIV) are tested in accordance with OM-10, Section 4.2.2.3 and LaSalle Technical Specifications 3/4.3.

ATTACHMENT 1

Inservice Testing Plan System and P&ID Listing

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Inservice Testing Plan System and P&ID Listing

<u>System</u>	<u>GE#</u>	<u>Code</u>	<u>CC #</u>	<u>Unit #1 P&ID</u>	<u>Unit #2 P&ID</u>
Containment Monitoring		CM	LS-004	92-2	138-2
				156-1	158-1
				156-2	158-2
				156-3	158-3
				156-4	158-4
Diesel Generator		DG	LS-006	83-1	83-3
				83-2	83-4
				83-4	134-1
				87-1	134-2
				87-2	
Diesel Oil		DO	LS-007	85-1	132-1
Fuel Pool Cooling		FC	LS-009	87-1	134-1
				87-2	134-2
				98-1	144-1
Feedwater	B21	FW	LS-016	57	118
Combustible Gas Control		HG	LS-021	130-1	130-1
				130-2	130-2
High Pressure Core Spray		E22	HP	LS-022	134-1
				87-1	141
				95	2141-1
				2095-1	
Instrument Air		IA	LS-030	81-2	81-17
Drywell Instrument Nitrogen		IN	LS-024	66-1	66-3
				66-2	66-4
				66-7	66-7
					66-8

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Inservice Testing Plan System and P&ID Listing

<u>System</u>	<u>GE#</u>	<u>Code</u>	<u>CC #</u>	<u>Unit #1 P&ID</u>	<u>Unit #2 P&ID</u>
Low Pressure Core Spray	E21	LP	LS-001	94 2094-1	140 2140-1
Clean Condensate Storage		MC	LS-028	75-2	75-4
Main Steam		MS	LS-030	55-1 55-2 55-7 55-8 92-1 2055-4 2055-5 2055-6 2055-7 2101-1	116-1 116-2 116-7 116-8 138-1 2116-4 2116-5 2116-6 2116-7 2147-1
Nuclear Boiler	B21	NB	LS-030	93-3 93-4 93-5	139-3 139-4 139-5
Neutron Monitoring	C51	NR	LS-031	774-1	774-4
Primary Containment Purge		PC	LS-033	92-2	138-2
Control Rod Drive	C11	RD	LS-038	100-2 100-3 100-4 100-5	146-2 146-3 146-4 146-5
Reactor Building Equipment Drains		RE	LS-039	91-4	137-4
Reactor Building Floor Drains		RF	LS-040	91-4	137-4

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Inservice Testing Plan and System Listing

<u>System</u>	<u>GE#</u>	<u>Code</u>	<u>CC #</u>	<u>Unit #1 P&ID</u>	<u>Unit #2 P&ID</u>
Residual Heat Removal	E12	RH	LS-042	87-1	134-1
				87-2	134-2
				91-3	137-3
				96-1	142-1
				96-2	142-2
				96-3	142-3
				96-4	142-4
Reactor Core Isolation Cooling	E51	RI	LS-043	101-1	147-1
				101-2	147-2
Reactor Recirculation	B33	RR	LS-045	93-1	139-1
				93-2	139-2
				2093-1	2139-1
				2093-2	2139-2
				2093-3	2139-3
				2093-4	2139-4
				2093-8	2139-8
Reactor Water Cleanup	G33	RT	LS-047	97-1	143-1
				2097-1	2143-1
				2097-2	2143-2
Service Air		SA	LS-048	82-3	82-5
Standby Liquid Control	C41	SC	LS-049	99	145
Standby Gas Treatment		VG	LS-053	89	89
Primary Containment Ventilation		VP	LS-054	86	133
Primary Containment Vent and Purge		VQ	LS-055	92-1	138-1
Reactor Building Closed Cooling		WR	LS-060	90-2	136-2

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ATTACHMENT 2

Inservice Testing Plan Notes

INSERVICE TESTING PLAN NOTES

The following additional information/methodologies are provided as Notes to the LaSalle Inservice Testing Plan for Pumps and Valves. The Note numbers correspond to the notes listed throughout the component tables.

**** NOTE 1 ****

In Accordance with ASME OM-10 Section 4.2.1.2 and Section 4.3.2.2 these valves are exercised to the position required to fulfill their function during Cold Shutdown or Reactor Refueling as applicable.

**** NOTE 2 ****

Safety and relief valves are tested during Reactor Refueling; however, individual valves are scheduled in accordance with ASME OM-01 Section 1.3.3.1 and 1.3.4.1.

**** NOTE 3 ****

The Standby Liquid Control injection squib valves are Category A valves per ASME OM-10, Section 1.4. There is no safety function for these valves in the open direction, however they perform a containment isolation function. Since the squib valves are normally closed and must remain closed for containment integrity they are considered passive and the test requirements of OM-10 Table 1 require only a leakage test to be performed. Although only the leakage rate test is listed in the IST component tables, an explosive valve test is conducted per Tech Spec 4.1.5.C.1.

**** NOTE 4 ****

10CFR50 Appendix J, Type C Test as described in the UFSAR Table 6.2-21 and Technical Specification Table 3.6.3-1.

**** NOTE 5 ****

Reactor Coolant System Pressure Isolation Valves, leak tested per Tech. Spec. 4.4.3.2.2.

**** NOTE 6 ****

Test pressure is not in the same direction as the pressure existing when the valve is required to perform the safety function as required by 10CFR50, Appendix J. Either manufacturers' test data, site test results, or justification (e.g., reverse test pressure tending to lift disk from seat) will be available on site to verify that testing in the reverse direction will provide either equivalent or more conservative results. (From FSAR Table 6.2-21, Note 20).

**** NOTE 7 ****

These lines have been evaluated to an acceptable alternative design basis other than that specifically listed in GDC 56. This alternate basis is found in SRP 6.2.4.11.3.e, and the evaluation to the criteria specified therein is as follows:

1. All lines are in engineered safety feature or engineered safety featured-related systems.
2. System reliability can readily be seen to be greater when only a single valve is provided.
3. The systems are closed outside containment.
4. A single active failure of these ESF systems can be accommodated.
5. The systems outside containment are protected from missiles consistent with their classification as ESF systems.
6. The systems are designed to Seismic Category 1 standards.
7. The systems are classified as Safety Class 2.
8. The design ratings of these systems meet or exceed those specified for the primary containment.
9. The leaktightness of these systems is assured by normal surveillance, inservice testing and leak detection monitoring.
10. The single valve on these lines is located outside containment. (From FSAR Table 6.2-21, Note 28).

**** NOTE 8 ****

These lines are always filled with water on the outboard side of the containment, thereby forming a water seal. They are maintained at a pressure that is always higher than primary containment pressure by water leg pumps; thus, precluding any outleakage from primary containment.

However if outleakage did occur, it would be into an ESF system which forms a closed loop outside primary containment. Thus, any leakage from primary containment would return to primary containment through this closed loop.

These valves are under continuous leakage test because they are always subjected to a differential pressure acting across the seat. Leakage through these valves is continuously monitored by the pressure switches in the pump discharge lines, which have a low alarm setpoint in the main control room.

Even though a special leakage test is not merited on these valves for the reasons discussed above, a system leakage test to meet the requirements of Type C testing will be performed to ensure the leak-tightness of the ECCS and RCIC systems. The systems will be pressurized with water to a minimum pressure of 1.10 times Pa (peak drywell accident pressure) with the system totally isolated from primary containment. A leakage rate for the entire system will then be determined and compared to an acceptance limit based on site boundary dose considerations (10 CFR 100: ECCS subsystem leakage not to exceed 1 gpm times number of valves in the subsystem tested). (From FSAR Table 7.2-21, Note 29).

**** NOTE 9 ****

To satisfy the requirements of General Design Criterion 56 and to perform their function, these instrument lines have been designed to meet the requirements of regulatory Guide 1.11 (Safety Guide 11). These lines are Seismic Category 1 and terminate in instruments that are Seismic Category 1. They are provided with manual isolation valves and excess flow check valves.

The integrity of these lines is to be tested during the Type "A" Test. These lines and their associated instruments will be pressurized to Pa. Surveillance Inspections will be performed to ensure the leaktight integrity of these lines and their associated instruments. Additional Inservice Inspection is included in the Technical Specifications. This Inservice Inspection verifies the function of the excess flow check valves. Isolation is provided by the excess flow check valve. In the event of a line rupture downstream of the check valve and a containment pressure above 2 psig, this valve would close to limit the amount of leakage. (From FSAR Table 6.2-21, Note 32).

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The exercise and leak test procedure verifies valve operability through a visual observation of a decreased flow rate in the instrument line. In addition, the remote position indication is verified to accurately indicate valve position.

**** NOTE 10 ****

To perform their function and to satisfy the requirements of General Design Criterion 55, these instrument lines have been designed to meet the requirements of Regulatory Guide 1.11 (Safety Guide 11). These lines are Seismic Category 1 and terminate in instruments that are Seismic Category 1. They are provided with flow-restricting orifices, manual isolation valves, and excess flow check valves. The flow-restricting orifice is sized to assure that in the event of a postulated failure of the piping or component, the potential offsite exposure will be substantially below the guidelines of 10 CFR 100.

Isolation is provided by the excess flow check valve. In the event of a line rupture downstream of the check valves, this valve would close to limit the amount of leakage.

The integrity of these lines will be verified during the Type "A" Test. Surveillance Inspections will be performed to ensure the leaktight integrity of these lines and their associated instruments. Additional inservice inspection is included in the Technical Specifications. This inservice inspection verifies the function of the excess flow check valves (From FSAR Table 6.2-21, Note 33).

The exercise and leak test procedure verifies valve operability through a visual observation of a marked decrease in the instrument line's flow rate. In addition, the remote position indication is verified to accurately indicate valve position.

**** NOTE 11 ****

The ECCS and RCIC suction lines are normally filled with water on both the inboard and outboard side of containment, thereby, forming a water seal to the containment environment. The valves are open during post-LOCA conditions to supply a water source for the ECCS pumps. Since a break in an ECCS line need not be considered in conjunction with a DBA, the only scenario requiring one of these valves to be closed during a DBA is an unacceptable leakage in an ECCS. However, because these ECCS systems are constantly monitored for excessive leakage, this is not a credible event for design.

These valves will receive a leakage test as part of the low pressure system leakage test described in Note (8). (From FSAR Table 6.2-21, Note 39).

**** NOTE 12 ****

The leakages through the Main Steam line valves will not be included in establishing the acceptance limits for the combined leakage in accordance with the 10 CFR 50, Appendix J, Type B and C tests. Because the Main steamlines are provided with a leakage control system, the leakage through these valves will not be added to the combined leakage rate. This exclusion is in accordance with Article III.C.3 of 10 CFR 50 Appendix J. (From FSAR Table 6.2-21, Note 30).

**** NOTE 13 ****

These penetrations are provided with removable spools outboard of the outboard isolation valve. During operation, these lines will be blind flanged using a double O-ring and Type-B leak tested. In addition, the packing of these isolation valves will be soap bubble tested to ensure no leakage. This test will be performed at a test pressure of Pa each refueling outage.

**** NOTE 14 ****

The Diesel Generator Turbocharger check valves do not possess specific LaSalle County Station component identification numbers. These check valves are internal to the filter assembly on the diesel generator turbochargers. Although these valves are non-ASME Code Class, they do perform an active safety function in the open direction. The full flow open ability of these valves is verified during monthly generator testing. The following table identifies the valves as listed in the IST Program tables.

<u>Valve #</u>	<u>P&ID</u>	<u>COOR</u>	<u>SIZE</u>	<u>Description</u>
ODGABC	83-4	C8	1.0	Common Diesel Generator Turbocharger CV
1DGABC	83-4	F8	1.0	HPCS Diesel Generator Turbocharger CV
1DGXYZ	83-4	C8	1.0	Standby Diesel Generator Turbocharger CV
2DGABC	83-4	F8	1.0	HPCS Diesel Generator Turbocharger CV
2DGXYZ	83-4	C8	1.0	Standby Diesel Generator Turbocharger CV

**** NOTE 15 ****

The closure test requirement is specified for all IST check valves which have a functional requirement in the closed direction, but are not leak tested in accordance with ASME Section XI or Appendix J Type C requirements.

**** NOTE 16 ****

The piping from the condensate storage tank (CST) to the High Pressure Core Spray pump suction has been isolated due to leaks in the underground portions. This requires the HPCS pump to be tested by taking suction from and discharging back to the suppression pool on a quarterly basis. Until the piping can be repaired, the 1(2)E22-F016 check valves will be tested on a quarterly frequency in accordance with OM-10.

**** NOTE 17****

Per Note 35 of UFSAR Table 6.2-21, these valves are exempt from Type C testing since Type C leakage testing would require disabling the system and draining the hydraulic fluid. This action would be detrimental to proper operation of the system in that possible damage could occur in establishing the test conditions or restoring the system to normal. This system is under a constant pressure test during normal plant operations due to its high operating pressure of 1800 psig. Any leakage from this system would be limited to hydraulic fluid which fills these lines and is independent of the containment atmosphere. Based on the fact that there is no specific maximum allowable seat leakage for these valves, they are categorized as B instead of A.

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ATTACHMENT 3

Inservice Testing Technical Positions

Technical Position - TP-01

Title

Limiting Values of Full-stroke Times for Power Operated Valves

Issue Discussion

OM-10 requires that an initial reference value be established for each valve or group of valves. The acceptance criteria is a percentage +/- of the reference value. The OM-10 standard recognizes that operating characteristics of electric motor operated valves are more consistent than those of air operated valves.

OM-10 specifies stroke time acceptance criteria in Section 4.2.1.8. The limiting values of stroke time testing are to be established by the owner according to Section 4.2.1.4.

Position

If a valve exceeds its Limiting Value of full-stroke time, it will be immediately declared inoperable. If a valve does not meet its Acceptance Criteria, it will be immediately retested or declared inoperable. If retested and the second set of data also does not meet the Acceptance Criteria, the data will be analyzed within 96 hours to verify that the new stroke time represents acceptable valve operation, or the valve will be declared inoperable. If the second set of data meets the Acceptance Criteria, the cause of the initial deviation shall be analyzed and the results documented in the record of tests. The following criteria will be used to establish Acceptance Criteria and Limiting Value ranges for power operated valves:

Type	Acceptance Criteria	Limiting Value
MOV _s /SOV _s ≤ 10 seconds	± 1.25 T _{ref} [*]	1.50 T _{ref} [*]
MOV _s /SOV _s > 10 seconds	± 1.15 T _{ref}	1.25 T _{ref}
AOV _s /HOV _s ≤ 10 seconds	± 1.50 T _{ref} [*]	2.00 T _{ref} [*]
AOV _s /HOV _s > 10 seconds	± 1.25 T _{ref}	1.50 T _{ref}

* or ± a 1.0 second change in stroke time, whichever is greater when compared to the reference value.

Technical Position - TP-01 (continued)

Notes:

- 1) T_{ref} is the reference or average stroke value in seconds for an individual valve or valve grouping.
- 2) Standard rounding techniques are used when rounding off stopwatch readings during valve stroke timing (e.g. 10.45 rounds to 10.5 and 10.44 is rounded to 10.4 seconds). All measured stroke times are rounded to the nearest tenth of a second.
- 3) When reference stroke values or average stroke values are affected by other parameters or conditions, then these parameters or conditions must be analyzed and the above factors adjusted.
- 4) If the above calculated values exceed a Technical Specification or FSAR value, then the Technical Specification or FSAR value must be used for the limiting value of full-stroke.
- 5) Valves with stroke times of less than 2.0 seconds are exempt from the above if the maximum limiting value stroke time is set at 2.0 seconds (OM-10, Section 4.2.1.8.e).

Technical Position - TP-02

Title

Water Leg Pump Check Valves

Issue Discussion

The function of each Water Leg Pump (WLP) is to maintain the associated ECCS pump discharge lines filled and pressurized when ECCS is in standby. Without the WLP the discharge lines could depressurize and drain. This condition could lead to severe water hammer of the discharge piping in the event the ECCS pump is required to operate. The ECCS lines are provided with instrumentation to provide continuous pressure monitoring to ensure that the discharge lines are filled and pressurized within allowable pressure limits as delineated in plant Technical Specifications. There are no specific flow requirements associated with the WLP discharge check valves: the design basis of the water leg pumps is to maintain the associated ECCS system pressurized within allowable pressure limits.

Position

Pressure maintenance is considered adequate to monitor the opening capability of these valves, but because of the static flow conditions, the system is vented through a high point vent (flow is verified) to ensure the valves are exercised open and capable of passing flow. This is considered to be an acceptable full-stroke open test of the discharge check valves.



The WLP discharge check valves are closure tested by starting the associated ECCS pump, verifying full flow requirements are met, and measuring WLP discharge pressure. Once measured, the manual stop valve downstream of the check valve will be closed and the WLP discharge pressure measured again. If the difference between the two discharge pressures is greater than 1.0 psid, than the WLP discharge check valve may not be closed. If the valve is considered not to be seating adequately; a work request is generated to disassemble, inspect, and repair the valve as necessary, prior to returning to service.



The following check valves will be tested as described above:

Component EPN	Class	Cat.	Description
1(2)E22-F007	2	C	HPCS Water Leg Pump Discharge Check
1(2)E21-F033	2	C	LPCS Water Leg Pump Discharge Check
1(2)E12-F084A	2	C	LPCS Water Leg Pump Discharge Check
1(2)E12-F084B	2	C	RHR Water Leg Pump Discharge Check
1(2)E12-F084C	2	C	RHR Water Leg Pump Discharge Check



Technical Position - TP-03

Title

Vibration Measurement

Issue Discussion

OMA-1988 Part 6 defines the requirements for pump vibration monitoring. For the rotational speeds of the pumps in the LaSalle IST Program, velocity measurements of vibration provide a more adequate assessment of the pumps' mechanical condition than amplitude vibration measurement. In addition, displacement and frequency are included in the velocity measurement.

Position

Pump vibration will be obtained and recorded in velocity (inches per second), and are broad band (unfiltered) peak readings. All monitored locations are clearly marked to identify the specific point at which the transducer is to be placed while taking the vibration measurements using portable equipment. The readout system and transducers used to take vibration measurements are capable of frequency response in the range of one-third minimum pump shaft rotational speed to at least one-thousand hertz. The minimum accuracy over this range is +/- 5%.

All centrifugal pumps in the program will have vibration measurements taken in a plane approximately perpendicular to the rotating shaft in two orthogonal directions on each accessible pump bearing housing. Measurement will also be taken in the axial direction when accessible. In addition, vertical line shaft pumps will have vibration measurements taken on the upper motor bearing housing in three orthogonal directions, one of which is the axial direction. Reciprocating pumps will have vibration measurements taken approximately perpendicular to the crankshaft and the line of plunger travel, including the axial direction when accessible on each pump bearing housing.

RANGES OF VIBRATION

Pump Type	Acceptable	Alert Range	Required Action
Centrifugal	$\leq 2.5 V_r$	$2.5 V_r$ to $6 V_r$ or > 0.325 in/sec	$> 6 V_r$ or > 0.70 in/sec
Reciprocating	$\leq 2.5 V_r$	$2.5 V_r$ to $6 V_r$	$> 6 V_r$

Technical Position - TP-03 (continued)

Notes

- 1) The acceptable, alert and required action ranges of OM-6 Table 3a will be implemented as in the above table.
- 2) V_r is reference velocity in inches per second.
- 3) Any vibration measurement value equal to or below the low Alert Range is acceptable.
- 4) All of LaSalle's centrifugal pumps in the IST program operate at speeds of greater than 600 RPM.

Technical Position - TP-04

Title

Seat Leakage Testing per 10 CFR 50 Appendix J

Issue Discussion

Category A containment isolation valves are to be tested as required by ASME/ANSI OM-10 and 10CFR50 Appendix J. Technical Specification 3/4.6.1.2 surveillance testing for measuring valve leakage is consistent with the requirements of 10 CFR 50 Appendix J.

ASME/ANSI OM-10 requires testing of containment isolation valves using 10CFR50 Appendix J acceptance criteria, but also requires leakage criteria for each valve or group of valves.

The ECCS and RCIC systems will be pressurized with water to a minimum pressure of 43.6 psig (1.10 times peak drywell pressure) with the system totally isolated from the primary containment .

Position

Primary containment Category A isolation valves will be tested in accordance with the requirements of Technical Specification 3/4.6.1.2 and 10CFR50 Appendix J. Technical Specification 3/4.6.1.2 surveillance testing for measuring valve leakage is consistent with the requirements of Appendix J to 10 CFR 50.

Maximum leakage rates will be established for each valve or group of valves. When valves are tested in parallel, a leakage criteria will be established for the combined leakage of the valves.

Technical Position - TP-05

Title

Skid Mounted Components

Issue Discussion

The diesel generator air start system and lube oil system are subassemblies of the diesel generator itself. These subassemblies are manufactured as integral parts of the diesel generator skid. The components in these systems are not identified as ASME Code Class 1, 2, or 3 components however, they do have a function in shutting down the reactor or mitigating the consequence of an accident. Therefore, the valves in the air start system and lube oil system subassemblies are included in the IST Program.

Position

Since the valves on these systems are integral to the diesel generator, they do not have controls and instrumentation which would allow for individual exercising and testing. Therefore, the operational readiness of the diesel generator air start and lube oil valves will be verified by acceptable testing of the Diesel Generator itself. Verifying that the Diesel Generator starts within the required time and meets all its Technical Specification requirements is considered acceptable verification that the valves in these two skid mounted subassemblies are able to meet their safety function. This position is supported by Section 3.4 of NUREG-1482.



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ATTACHMENT 4

Relief and Justification Index

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Relief/Justification Index

PUMP RELIEF REQUESTS

RP-01	Water Leg Pump Flow Test
RP-02	RHR Inlet Pressure Gauge
RP-03	HPCS Inlet Pressure Gauge

VALVE RELIEF REQUESTS

RV-01	Disassembly and Inspection Plan
RV-02	Control Rod Drive Valves
RV-03	CRD Charging Water and Cooling Water Check Valves
RV-04	Hydrogen Recombiner Check Valves
RV-05	Supp. Chamber-Drywell Vacuum Breakers
RV-06	Diesel Air Start Valves
RV-07	RCIC Condenser Vacuum Pump and Turbine Exhaust Check Valves
RV-08	Shutdown Cooling Testable Check Valves
RV-09	RCIC/HPCS Min Flow Valve Closure Stroke Time

COLD SHUTDOWN JUSTIFICATION SUMMARY

CS-01	RBCCW Isolation Valves
CS-02	RHR Valves and LPCS Inject Valves
CS-03	Recirc Flow Control Valves
CS-04	Feedwater Isolation Valves
CS-05	Reactor Water Cleanup Valves
CS-06	Containment Isolation Dampers and Valves
CS-07	Main Steam Bleed and Bypass Valves
CS-08	Inboard and Outboard MSIV's
CS-09	HPCS Inject Valves
CS-10	RCIC Steam Supply Valves
CS-11	Full Flow Test Valves
CS-12	RCIC Outboard Injection Stop Valve

REFUELING JUSTIFICATION SUMMARY

RJ-01	Feedwater Check Valves
RJ-02	Main Steam Relief Valve Vacuum Breakers
RJ-03	Drywell Nitrogen Valves
RJ-04	MSIV - LCS Check Valves
RJ-05	Deleted
RJ-06	MSIV and ADS Accumulator Check Valves
RJ-07	Accumulator Check Valves to FW testable Checks
RJ-08	Recirc Pump Seal Flow Check Valves
RJ-09	Inboard MSIV - Fail Safe Test
RJ-10	Scram Discharge Volume Vent and Drain Valves
RJ-11	Excess Flow Check Valves
RJ-12	Injection Testable Check Valves
RJ-13	LPCI Min Flow Check Valves
RJ-14	RVWLIS Instrument Panel Check Valves
RJ-15	DG Cooling Water/FP Emergency Makeup Pump Discharge Check Valves
RJ-16	VP Chill Water Supply\Return CIVs



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ATTACHMENT 5

Pump Relief Requests

Pump Relief Request - RP-01

Affected Components

EPN	Class	Description
1(2)E22-C003	2	HPCS Water Leg Pump
1(2)E21-C002	2	LPCS Water Leg Pump
1(2)E12-C003	2	RHR Water Leg Pump

Test Requirement

OM-06 Section 5.2 Test Requirement: Flow Measurement

Basis for Relief

The primary purpose of these pumps is to maintain the ECCS pump discharge lines filled and pressurized. Flow is not a significant design parameter and no flow instrument is installed in the water leg pump flow loop. There is no flow criteria on these pumps that could be used to determine whether the pumps are satisfactorily performing their intended safety function. The flow path associated with their 'keep fill' function is constant, with a fixed hydraulic resistance.

Since OM-06 requires either flow or differential pressure to be set at a reference value, the intent of the code is met in that flow is maintained constant.

LaSalle Station monitors the pump for degradation by measuring and trending pump inlet and discharge pressure, differential pressure, and vibration. These measurements are taken quarterly and provide satisfactory indication of operational readiness as well as the ability to detect potential degradation.

Alternative Test

LaSalle verifies operability of these pumps by pressure maintenance of ECCS discharge lines within allowable pressure limits. In addition, performance monitoring of the pumps' mechanical and hydraulic performance is trended.

Pump Relief Request - RP-02

Affected Components

EPN	Class	Description
1(2)E12-C003	2	Water Leg Pump
1(2)E12-C002A	2	RHR Pump A
1(2)E12-C002B	2	RHR Pump B
1(2)E12-C002C	2	RHR Pump C

Test Requirements

OM-06 Section 4.6.1.2 Test Requirement: The full scale range of pump instruments shall be three times the reference value or less.

Basis for Relief

Inlet pressure is not a required measurement per OM-06, but it is used in the calculation of differential pressure which is a required value. The reference values for the inlet pressures of RHR Pumps A, B and C are all >7.5 psig. The reference value for the inlet pressure of the RHR water leg pump is >8 psig. The full scale range of the inlet pressure gauges for all four pumps reads 0-250 psig. The inlet pressure for these pumps may attain a maximum pressure of 135 psig plus system head during certain modes of RHR and therefore the pumps require a gauge with a larger scale range.

The gauges installed on the RHR pump suction lines are accurate to +/-0.5% of full scale, which is equivalent to +/-1.32 psi. These gauges are readable to the nearest 2.5 psi or 1% of full scale. The resulting instrument error may be up to 31% of the reference value. An error of 6% of suction pressure reference value would be introduced if a gauge meeting the code requirements were used. The difference in measurements between the existing gauge and a Code required gauge could be +/-2 psi. This increased error margin of +/-2 psi represents 1.5% of the reference value of the calculated pump differential pressure. This additional error in suction pressure measurement does not significantly effect the differential pressure calculation and does not impair the ability to determine RHR pump operability or monitor for degradation.

See Table 1 for a summary of the above basis.

Alternative Test

Pump inlet pressure will be measured using the existing gauges with larger scale ranges to accommodate pressure rises of pump suction.

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TABLE 1

	<u>LaSalle HPCS Pumps</u>	<u>ASME Required Gauge</u>	<u>LaSalle RHR Pumps</u>	<u>ASME Required Gauge</u>
Full Scale Range	115 psig 30" HG - 100 psig	12 psig	265 psig 30" HG - 250 psig	24 psig
Gauge Accuracy	±.5% of full scale (±.5%) 115psig = ±.6 psig	±2% of full scale (±2%)12psig = ±0.24 psig	±.5% of full scale (±.5%) 265psig = ±1.32 psig	±2% of full scale (±2%)24psig = ±0.48 psig
Reference Value (RV) for Suction Pressure	4 psig	4 psig	8 psig	8 psig
Scale Increments	1 psig Resolution to .5 psig		5 psig Resolution to 2.5 psig	
% Error	(±.6%psig) x (100%) /(4psig) = 15% of RV	(±24psig) x (100%) /(4psig) =6% of RV	(±2.5psig) x (100%) /(8psig) =31% of RV	(±.48psig)x (100%)/(8psig)= 6% of RV
Difference in Accuracy for Suction Pressure	(.6psig) - (.24psig) = .36psig		(2.5psig) - (.48psig) = 2.02psig	
Reference Value (RV) for Differential Pressure	430 psid		130 psid	
Increase in Accuracy for Differential Pressure	(±.36psig)/(430psig) (100%) = .1%		(±2.02psig)/(130psig) (100%) = 1.5%	

Pump Gauge Accuracy Comparison Table

Pump Relief Request - RP-03

Affected Components

EPN	Class	Description
1(2)E22-C001	2	HPCS Pump

Test Requirement

OM-06 Section 4.6.1.2.a Test Requirement: The full scale range of pump instruments shall be three times the reference value or less.

Basis for Relief

Inlet pressure is not a required measurement per OM-06, but it is used in the calculation of differential pressure. The reference value for the inlet pressure of the HPCS Pump is 4 psig when drawing water from the suppression pool. The full scale range of the inlet pressure gauge is 30" Hg to 100 psig (approximately 115 psig range). The range is necessary due to the configuration of the HPCS system. When the HPCS pump is stopped, a pressure spike is induced in the pump suction. This pressure spike causes a suction pressure indicator with a smaller range to overrange and go out of calibration. A suction pressure gauge with a larger scale is required to enable the gauge to remain in calibration for the measurement of suction pressure of the HPCS pump.

See Table 1 in RP-02 for a summary of the following discussion. The gauges installed on the HPCS pump suction lines are calibrated to an accuracy of +/-0.5% of full scale which is equivalent to +/-0.6 psi. The gauges are readable to the nearest 0.5 psig. Using this information, the maximum error seen in the HPCS pump suction pressure reading is +/-0.6 psi, which is 15% of the reference value. If a gauge which met the requirements of OM-06 were used (full scale of 12 psi, +/-2% accurate) the error would be 6% of the reference value. This is an additional error margin of approximately 0.1% of the differential pressure reference value. The increase in suction pressure accuracy gained by using a Code required gauge would have a negligible effect on the calculation of pump differential pressure. Thus the existing suction pressure gauges on the HPCS pumps do not impair or hinder LaSalle Station's ability to monitor for pump degradation.

Alternative Test

Pressure spikes in the HPCS pump suction line are experienced when the pump is stopped; therefore, a gauge with a larger scale will be used to measure inlet pressure.

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ATTACHMENT 6

Valve Relief Requests

Valve Relief Request - RV-01

Affected Components

EPN	Class	Cat.	Description	Associated	
				RJ #	Group
1(2)E12-F046A/B/C	2	C	LPCI Minimum Flow Line Check Valve	RJ-13	01/02
0DG002	3	C	0 DG Cooling Water Pump Disch. Check Valve	RJ-15	03
1(2)DG002	3	C	A DG Cooling Water Pump Disch Check Valve	RJ-15	03/04
1(2)E22-F028	3	C	HPCS DG Cooling Water Pump Disch. CV	RJ-15	03/04
1FC044A/B	3	C	FP Emergency Makeup Pump Disch. CV	RJ-15	05
2FC044A/B	3	C	FP Emergency Makeup Pump Disch. CV	RJ-15	06
1E32-F010/11	2	C	MSIV-LCS Low Pressure Mnfld Drain CV	RJ-04	07
1E32-F310A/B/C/D	2	C	MSIV-LCS Exhaust Blower Mnfld Check Valve	RJ-04	08
2E32-F010/11	2	C	MSIV-LCS Exhaust Blower Mnfld Check Valve	RJ-04	09
2E32-F310A/B/C/D	2	C	MSIV-LCS Exhaust Blower Mnfld Check Valve	RJ-04	10



Test Requirement

OM-10 Section 4.3.2.1; Exercising Test Frequency - Exercise every 3 months

Basis for Relief

Per Generic Letter 89-04 the NRC staff has established a position regarding valve disassembly and inspection as an approved alternate method to be used as a means of determining that a valve disc will full-stroke exercise open or of verifying closure capability. When direct or indirect methods of exercising check valves are not available or when it is impracticable to demonstrate opening and closing capabilities by other means, the disassembly and inspection method will be used to fulfill the inservice testing requirements.

Alternative Test

When practicable, partial valve stroking quarterly or during cold shutdowns, or after reassembly will be performed. The following positions regarding disassembly and inspection of check valves will be met.

Valve Relief Request - RV-01 (continued)

- a. Visually inspect internals for worn, loose or corroded parts and manually cycle the valve disk to check for any concerns relating to operability (stuck open, stuck closed, binding).
- b. Due to the scope of this testing, the personnel hazards involved, and system operating restrictions, valve disassembly and inspection will be performed during reactor refueling outages. Since this frequency differs from the code required frequency, this deviation will be specifically noted in the valves associated refueling justification.
- c. Where it is burdensome or not practicable to disassemble and inspect all applicable valves in a group each refueling outage, a sample disassembly and inspection plan for the groups of identical valves in similar application may be employed. The following additional guidelines for this plan are outlined below.
 - 1.) Valve sample groups are required to have the same design (unit, manufacturer, size, model number, and materials of construction) and have the same service conditions and media (process fluid, temperature, pressure, flow, etc.) including valve orientation. The maximum number of valves in a group is limited to four (4) valves.
 - 2.) Visually inspect internals for worn, loose or corroded parts, and manually cycle the valve disk to check for any concerns relating to operability.
 - 3.) A different valve of each group is required to be disassembled and inspected at each successive refueling outage, until the entire group is tested. Once this is completed, the sequence of disassembly must be repeated unless extension of the interval can be justified.
 - 4.) If the disassembled valve does not exhibit full-stroke capability, or there is binding or failure of the valves internals, the remaining valves in that group not yet inspected for the current sequence must be disassembled, inspected, and full-stroke exercised during the same outage.

Extension of the valve disassembly/inspection interval to one valve every other refueling outage for single valve groupings or expansions of the group size above four valves will only be considered in cases of extreme hardship where the extension is supported by actual in-plant data from previous testing.

Valve Relief Request RV-01 (continued)

In order to justify extension of the valve disassembly/inspection interval after all valves in a particular grouping have been tested to longer than once every six years, the following information shall be evaluated and documented.

- 1.) Review the inspection documentation of each valve in the grouping; taking into account both the physical condition of the valve and the ability of the valve to be full-stroked.
- 2.) Review NPRDS failure data regarding the same type of valve and used in similar service.
- 3.) Review the installation for any applicable misapplication concerns addressed in the "EPRI Application Guidelines for Check Valves in Nuclear Power Plants."
- 4.) Review the inspection data for the valve group to ensure that the failure rate is less than 25%. A higher failure rate than this may indicate that the group size should be decreased.

Valve Relief Request - RV-02

Affected Components

EPN	Class	Cat.	Description
1(2)C11-D001-114	N	C	Scram Discharge Riser Check Valve
1(2)C11-D001-126	N	B	Inlet Scram Valve
1(2)C11-D001-127	N	B	Outlet Scram Valve

Test Requirement

OM-10 Section 4.2.1; Valve Exercising Test, Section 4.3.2; Exercising Tests for Check Valves Full-Stroke and Stroke Time and check the Fail-Safe Operation of 1(2)C11-D001-126 and 1(2)C11-D001-127 upon loss of actuator power -- Quarterly. Full-Stroke Exercise - Quarterly 1(2)C11-D001-114.

Basis for Relief

There are 185 of each of the valves listed above, i.e., one for each of the 185 control rod drives. These valves cannot be exercised without causing the associated control rod to scram. These valves must operate properly in order for the associated control rod to meet the specified scram insertion time as specified in the Technical Specifications. The LaSalle scram timing surveillance adequately demonstrates CRD system response and valve operability. Additionally, the - 126 and - 127 valves have a single limit switch which indicates that the valve is not on its shut seat (open). This precludes the use of special timing equipment since there is no installed limit switch which could be electrically connected to indicate when the valve has reached its full open position. Also, the scram testing performance with the individual control rod test switches duplicates the fail-safe test by removing power from the valve solenoid.

Alternative Test

Proper operation of both the 1(2)C11-D001-114 and -127 is verified by obtaining a 90% scram insertion (Position 48 to 05) time of less than or equal to seven seconds. Proper operation of 1(2)C11-D001-126 is verified by local operator observation and receiving the blue scram light at panel 1(2)H13-P603. Individual scram insertion tests will be performed per the Technical Specification frequency. The Technical Specifications require these tests be performed following core alterations, after reactor shutdown of greater than 120 days, for individual control rods after maintenance or modification to the control rod which would affect the control rod scram time, and for at least 10% of the control rods, on a rotating basis, at least once per 120 days of operation.

Valve Relief Request - RV-03

Affected Components

EPN	Class	Cat.	Description
1(2)C11-D001-115	N	C	HCU Accumulator Check Valve
1(2)C11-D001-138	N	C	CRD Cooling Water Check Valve

Test Requirement

OM-10 Section 4.3.2; Test Requirement: Full-stroke Exercise Quarterly

Basis for Relief

The control rod drive charging water header check valves -115 are not relied on during start-up or refuel when reactor pressure is insufficient (less than 400 psi) to ensure scram capabilities, based on accumulator supply. A charging water header low pressure scram at 1157 psi will ensure scram capabilities upon loss of charging water during these two modes of operation.

Based on Generic Letter 89-04 these valves will be added to the inservice test program, and tested during each refueling outage, even though they were previously deleted from plant Technical Specification surveillance testing (T.S. 4.1.3.5.B.2).

The control rod drive cooling water check valves -138 will be functionally tested by moving each control rod one notch every 7 days in accordance with Technical Specification 4.1.3.1.2.. Only the control rods which are greater than the "00" position (i.e. not full in), not electrically disarmed, or not hydraulically locked will be tested.

Industry experience has shown that normal control rod motion should adequately verify these valves move to their closed safety position.

Alternative Test

The control rod drive charging water check valves -115 will be closure tested during each refueling outage. The control rod drive cooling water check valves -138 will be functionally tested in accordance with Technical Specification requirements as described above.

Valve Relief Request - RV-04

Affected Components

EPN	Class	Cat.	Description
1HG017A	2	C	Hydrogen Recombiner Water-Spray Cooler Supply Check Valve
1HG017B	2	C	Hydrogen Recombiner Water-Spray Cooler Supply Check Valve
2HG017A	2	C	Hydrogen Recombiner Water-Spray Cooler Supply Check Valve
2HG017B	2	C	Hydrogen Recombiner Water-Spray Cooler Supply Check Valve

Test Requirement

OM-10 Section 4.3.2; Test Requirement: Exercise Quarterly

Basis for Relief

The Hydrogen Recombiner water-supply cooler supply is designed to cool the recombined gas exiting the reaction chamber to less than 250 degrees fahrenheit. This corresponds to a flow rate of 7 to 20 gpm at a supply pressure of 40 to 150 psi. Demonstrating that each supply check valve can pass sufficient water to maintain the recombined gas exiting the reaction chamber to a temperature less than 250 degrees fahrenheit verifies full-stroke capability.

Included in LaSalle's plant design two individual water supply lines exist for each Units recombiner: one from the 'B' RHR loop which supplies the recombiner when operated from the same unit, and the other from the 'A' RHR loop which supplies the recombiner when operated from the opposite unit. This is to ensure that the water taken from the applicable unit's suppression pool is returned back to the same suppression pool, and that the two containments are not physically cross-connected. Only one of the two check valves can be exercised during the hot functional test. The valve which is exercised depends on what unit the recombiner is operated from. Testing the hydrogen recombiner more frequently to accommodate exercising the water supply check valves on a quarterly basis is not recommended by the manufacturer, nor from the standpoint of equipment qualification (40 year life).

Each water supply check valve can only be full-stroke exercised during the Technical Specification hot functional test using heaters. This hot functional test is performed once every 18 months regardless of plant condition (i.e not limited to cold shutdown or refuel outages). This hot functional testing frequency is stated in Technical Specification 3/4.6.6.1 and recommended by Generic Letter 93-05 and NUREG-1366.



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Valve Relief Request - RV-04 (continued)

Alternative Test

Since only one of the two check valves can be tested during the hot functional test, LaSalle will full-stroke exercise each valve as described above every 36 months in conjunction with the hydrogen recombiner Technical Specification hot functional test. Note that one valve of each unit will alternately be tested every 18 months.



Valve Relief Request - RV-05

Affected Components

EPN	Class	Cat.	Description
1(2)PC001A	2	C	Suppression Chamber - Drywell Vacuum Breaker
1(2)PC001B	2	C	Suppression Chamber - Drywell Vacuum Breaker
1(2)PC001C	2	C	Suppression Chamber - Drywell Vacuum Breaker
1(2)PC001D	2	C	Suppression Chamber - Drywell Vacuum Breaker

Test Requirement:

OM-10 Section 4.3.2; Test Requirement: Exercise Quarterly

Basis for Relief

The primary containment vacuum breakers allow a return flow path for non-condensable gas from the suppression chamber to the drywell. This system is designed to limit the upward loading on the drywell floor to prevent a loss of structural integrity. In addition, this system must be operable to prevent bypassing of the suppression pool in case of an accident.

The use of the torque wrench method for verifying proper opening set points for these vacuum breakers was questioned by the NRC (Open Item - 373/81-28-07) because of the inconsistencies in the test data results during the preoperational testing (PT-VP-101). An acceptable alternative test method was mutually agreed upon to address this concern. Technical Specification 4.6.4.1 reflects this test method and requires a monthly full-stroke of the vacuum breakers, and an opening force test every 18 months.

Alternative Test

LaSalle will full stroke exercise these valves in accordance with Technical Specifications (4.6.4.1) as follows:

- a. Monthly; cycle each vacuum breaker through at least one complete cycle of full travel.
- b. Refueling; verify the force required to open the vacuum breaker, from the closed position, to be less than or equal to 0.5 psid.

Valve Relief Request - RV-06

Affected Components

EPN	Class	Cat.	Description
ODG035A&B	N	B	DG Starting Air Relay Valve
ODG036A&B	N	B	DG Starting Air Control Valve
ODG038A&B	N	C	DG Starting Air Check Valve
1(2)DG061A&B	N	B	DG Starting Air Relay Valve
1(2)DG062A&B	N	B	DG Starting Air Control Valve
1(2)DG064A&B	N	C	DG Starting Air Check Valve
1(2)E22-F381A&B	N	B	DG Starting Air Relay Valve
1(2)E22-F382A&B	N	B	DG Starting Air Control Valve
1(2)E22-F383A&B	N	C	DG Starting Air Check Valve

Test Requirement

OM-10 Section 4.3.2; Full-Stroke Exercise Check Valves Quarterly
OM-10 Section 4.2.1; Full-Stroke Exercise, Stroke Time and Fail Safe Operation

Basis for Relief

The valves listed above are starting air valves for the various diesels. Each diesel has two starting air subsystems (banks). If one subsystem (bank) fails to operate the remaining subsystem provides the diesel starting capability. Thus, either subsystem can fulfill the safety function of providing starting air to its associated diesel.

The various diesels are started monthly; which verifies proper system operation. The relay and control valves do not have position indication which precludes the individual timing of these valves. If the diesel does not reach 150 RPM within 15 seconds the lock out relay trips and the diesel fails to start. If the diesel does start within the 15 seconds, at least one of the redundant air start subsystems is verified to fulfill its safety function.

Alternative Test

Monthly verify proper air start system operation via proper Diesel Generator start and operation.



Valve Relief Request - RV-07

Affected Components

EPN	Class	Cat.	Description
1(2)E51-F028	2	AC	Barometric Condenser Vacuum Pump Disch. to Supp. Pool
1(2)E51-F040	2	AC	RCIC Turbine Exhaust Check

Test Requirement

OM-10 Section 4.3.2; Full-Stroke Exercise Check Valves Quarterly

Basis for Relief

These valves perform a containment isolation function and are required to close. In order to demonstrate their closure capability a local leak test has to be performed. This is not possible during power operation because shutting the downstream isolation valves renders the system inoperable, which is highly undesirable for safe plant operation. During cold shutdowns, other than for refueling, performing the required leak tests are not practical because the large resource commitment and planning required would cause an unacceptable delay in return to power operation. Both F028 and F040 have a redundant back-up motor operated containment isolation valve which can be shut from the Control Room, if called upon. The F069 and F068 are included in the IST program and are exercised and timed quarterly; and are leak-rate tested together with F028 and F040, respectively. Closure testing these valves during refueling outages is adequate to demonstrate their closure capability.

Alternative Test

The closure capability of these check valves will be demonstrated by means of a local leak rate test performed during each refueling outage.

Valve Relief Request - RV-08

Affected Components

EPN	Class	Cat.	Description
1(2)E12-F050A	1	AC	Shutdown Cooling Testable check
1(2)E12-F050B	1	AC	Shutdown Cooling Testable check

Test Requirement

OM-10 Section 4.3.2; Full-Stroke Exercise Check Valves Quarterly

Basis for Relief

During reactor power operation, a differential pressure of approximately 1000 psi may exist across these testable check valves. The check valves are equipped with test operators, however, the operators are not able to function with such a high differential pressure across the valve. The valves will be exercised against a reduced reactor pressure during cold shutdown.

These exercisable check valves were originally designed and furnished to verify operability by partially stroking the disc from the closed position. The operators' design makes it incapable of closing the valve against flow or keeping it open against reverse flow. The operator only moves the disc from the fully closed position to 31% of full stroke. Based on the manufacturer's experience, if the disc can be partially stroked by means of the test operator, they have a high degree of confidence that the valve will fully open under design flow conditions.

It is impractical to inject full flow during cold shutdowns because injecting design flow requires that the reactor recirculation pump in the affected loop be shutdown, which places a substantial transient on the RR pump electrical and mechanical components during restart and could delay plant start-up.

Alternative Test

Exercise during cold shutdowns by use of the test operator. Demonstrate full-stroke capability by injecting the required design flow through the valve once each refueling outage. For subsequent operability testing, the test operator will be used to partially stroke the valve disc. This level of testing will acceptably demonstrate the operability of these valves.

Valve Relief Request - RV-09

Affected Components

EPN	Class	Cat.	Description
1(2)E22-F012	2	A	HPCS Pump Min Flow Bypass Line Iso Valve
1(2)E51-F019	2	A	RCIC Min Flow Isolation

Test Requirement

OM-10 Section 4.2.1.4; Power Operated Valve Stroke Timing

Basis for Relief

Interlocks on these valves prevent obtaining an accurate valve stroke time in the closed direction. The normally closed valve design is such that it may be opened via the hand switch in the Control Room. Once the valve reach the full open position the interlocks will automatically close the valve. This interlock prevents an accurate determination of closure initiation signal.

In order to determine an accurate closure initiation signal, the interlock is required to be defeated by lifting leads and/or installing jumpers. During normal operation or cold shutdown this additional work requires significant resources and may delay plant start-up (when in cold shutdown).

Quarterly full stroke exercising of the valve in both directions and stroke timing in the open direction provide reasonable assurance of the valves' ability to perform its' safety functions.

Alternative Test

Stroke time valves in the closed direction during refuel outages.

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ATTACHMENT 7

Cold Shutdown Justifications

Cold Shutdown Justification - CS-01

Description

It is not practicable to full or partial stroke exercise close the RBCCW isolation valves during normal plant operation.

Affected Components

EPN	Class	Cat.	Description
1(2)WR-029	2	A	Drywell Equipment RBCCW Isolation Valve
1(2)WR-040	2	A	Drywell Equipment RBCCW Isolation Valve
1(2)WR-179	2	A	Drywell Equipment RBCCW Isolation Valve
1(2)WR-180	2	A	Drywell Equipment RBCCW Isolation Valve

Justification

Reactor recirculation pump operation requires a continuous cooling water flow from the reactor building closed cooling water system. Exercising these valves during operation interrupts this flow from the reactor building closed cooling water system. This testing could result in physical damage to the pumps and possible plant transient.

Alternative Frequency

These valves will be full stroke exercised closed during cold shutdown.

Cold Shutdown Justification - CS-02

Description

It is not practicable to full stroke exercise the following RHR and LPCS injection valves during normal plant operation.

Affected Components

EPN	Class	Cat.	Description
1(2)E21-F005	1	A	LPCS Injection Outboard Stop
1(2)E12-F008	1	A	RHR A Pump Suction Header Outboard Isolation
1(2)E12-F009	1	A	RHR A Pump Suction Header Inboard Isolation
1(2)E12-F023	1	A	RHR to Head Spray
1(2)E12-F042A/B/C	1	A	LPCI Injection
1(2)E12-F053A/B	1	A	RHR Shutdown Cooling Discharge Isolation
1(2)E12-F099A/B	1	A	RHR SDC Loop Testable Check Bypass Stop Valve

Justification

These valves cannot be exercised during normal operation because they are electrically interlocked shut at normal operating pressure to protect the low pressure piping outside the drywell.

Alternative Frequency

These valves will be full stroke exercised during cold shutdown.

Cold Shutdown Justification - CS-03

Description

It is not practicable to full stroke exercise close the Recirculation Flow Control Valves during normal plant operation.

Affected Components

EPN	Class	Cat.	Description
1(2)B33-F338A/B	2	B	RR FCV Hydraulic Line Inboard Isolation Valve
1(2)B33-F340A/B	2	B	RR FCV Hydraulic Line Inboard Isolation Valve
1(2)B33-F342A/B	2	B	RR FCV Hydraulic Line Inboard Isolation Valve
1(2)B33-F344A/B	2	B	RR FCV Hydraulic Line Inboard Isolation Valve

Justification

Each reactor recirculation flow control valve is controlled by a remote Hydraulic Control Unit (HCU) located outside primary containment. The individual hydraulic lines penetrate the primary containment and are each equipped with both an inboard and outboard isolation valve. Exercising closed the supply line, return line, or the pilot pressure line containment isolation valve will remove any remote operating capability from the FCV. The outboard isolation valves are accessible for corrective actions to be taken in the event of a valve failure. However, the inboard isolation valves are not accessible for corrective actions to be taken in the event of a valve failure. Therefore, performing the full-stroke and stroke-time test quarterly is not considered to be prudent, when considering the potential impact if one of the inboard hydraulic line isolation valves were to fail in the closed position during testing.

Alternative Frequency

These valves will be full stroke exercised and stroke timed during cold shutdown.

Cold Shutdown Justification - CS-04

Description

It is not practicable to full stroke exercise close the Feedwater Isolation valves during normal plant operation.

Affected Components

EPN	Class	Cat.	Description
1(2)B21-F065A/B	2	A	Reactor Feedwater Isolation Valve

Justification

It is impracticable to exercise these valves during normal operation since the feedwater system is required to maintain primary coolant inventory. Exercising these valves closed would induce a plant transient due to reduced feedwater flow to the reactor vessel. This condition is not desirable during normal plant operation.

Alternative Frequency

These valves will be full stroke exercised during cold shutdown.

Cold Shutdown Justification - CS-05

Description

It is not practicable to exercise close the following Reactor Water Cleanup valves during normal plant operation.

Affected Components

EPN	Class	Cat.	Description
1(2)G33-F001	1	A	RWCU Inboard Suction Isolation Valve
1(2)G33-F004	1	A	RWCU Outboard Suction Isolation Valve
1(2)G33-F040	1	A	RWCU Discharge to Feedwater Isolation Valve

Justification

The RWCU system is required to be taken out of service prior to any of the above valves being exercised closed. RWCU maintains reactor coolant PH, chlorides, and activity within specified limits. System operability is desirable during power operation to maintain reactor water chemistry stable. In addition, when restoring the system to operation resin beds must be replaced. Due to plant chemistry concerns these valves will be full stroke exercised during cold shutdown.

Alternative Frequency

These valves will be full stroke exercised during cold shutdown.

Cold Shutdown Justification - CS-06

Description

It is not practicable to full stroke exercise open the following primary containment isolation valves during normal plant operation.

Affected Components

EPN	Class	Cat.	Description
1(2)VQ026	2	A	Outlet to Secondary Containment from Rx Building Inboard Damper
1(2)VQ027	2	A	Inlet to Secondary Containment from Rx Building Inboard Damper
1(2)VQ029	2	A	Inlet to Drywell from Rx Building Outboard Damper
1(2)VQ030	2	A	Inlet to Drywell from Rx Building Inboard Damper
1(2)VQ031	2	A	Suction from Rx Building Inboard Damper
1(2)VQ034	2	A	Suction from Drywell Inboard Damper
1(2)VQ036	2	A	Suction from Drywell Outboard Damper
1(2)VQ040	2	A	Suction from Suppression Chamber Outboard Isolation Damper
1(2)VQ042	2	A	Drywell N-2 Inerting Line Isolation Valve
1(2)VQ043	2	A	Suppression Pool N-2 Inerting Line Supply Isolation Valve

Justification

These valves cannot be full stroke exercised open during normal power operation. These valves are required to remain administratively closed during power operation to ensure the integrity of secondary containment, in accordance with the Final Safety Analysis report and the Technical Specifications.

Alternative Frequency

These valves will be full stroke exercised open during cold shutdown.

Cold Shutdown Justification - CS-07

Description

It is not practicable to full stroke exercise the following Main Steam valves during normal plant operation.

Affected Components

EPN	Class	Cat.	Description
1(2)E32-F001A	1	A	MS Bleed Valve
1(2)E32-F001E	1	A	MS Bleed Valve
1(2)E32-F001J	1	A	MS Bleed Valve
1(2)E32-F001N	1	A	MS Bleed Valve
1(2)E32-F002A	2	B	MS Loop Bypass To Steam Tunnel
1(2)E32-F002E	2	B	MS Loop Bypass To Steam Tunnel
1(2)E32-F002J	2	B	MS Loop Bypass To Steam Tunnel
1(2)E32-F002N	2	B	MS Loop Bypass To Steam Tunnel
1(2)E32-F003A	2	B	MS Loop Bypass To Steam Tunnel
1(2)E32-F003E	2	B	MS Loop Bypass To Steam Tunnel
1(2)E32-F003J	2	B	MS Loop Bypass To Steam Tunnel
1(2)E32-F003N	2	B	MS Loop Bypass To Steam Tunnel
1(2)E32-F006	2	B	Bleed Valve-Steam Tunnel
1(2)E32-F007	2	B	Bleed Valve-Steam Tunnel
1(2)E32-F008	2	B	Bleed Valve-Steam Tunnel
1(2)E32-F009	2	B	Bleed Valve-Steam Tunnel

Justification

These valves cannot be exercised during normal operation. The above valves are designed to operate when the main steam line is at approximately atmospheric pressure. Testing of these valves at normal steam line pressure has the potential for discharging radioactive steam into the reactor building atmosphere.

Alternative Frequency

These valves will be full stroke exercised during cold shutdown.

Cold Shutdown Justification - CS-08

Description

It is not practicable to stroke time test the Main Steam Isolation Valves (MSIV's) during normal plant operation.

Affected Components

EPN	Class	Cat.	Description
1(2)B21-F022A	1	A	Main Steam Line A Inboard Isolation Valve (MSIV)
1(2)B21-F022B	1	A	Main Steam Line B Inboard Isolation Valve (MSIV)
1(2)B21-F022C	1	A	Main Steam Line C Inboard Isolation Valve (MSIV)
1(2)B21-F022D	1	A	Main Steam Line D Inboard Isolation Valve (MSIV)
1(2)B21-F028A	1	A	Main Steam Line A Outboard Isolation Valve (MSIV)
1(2)B21-F028B	1	A	Main Steam Line B Outboard Isolation Valve (MSIV)
1(2)B21-F028C	1	A	Main Steam Line C Outboard Isolation Valve (MSIV)
1(2)B21-F028D	1	A	Main Steam Line D Outboard Isolation Valve (MSIV)

Justification

Stroke time testing these valves during normal reactor operation requires isolating one of the four main steam lines. The isolation time for the MSIV's is between 3 and 5 seconds. Isolation of these lines this quickly results in primary system pressure spikes, reactor power fluctuations, and increased flow in the unisolated steam lines. This abnormal operation may induce a reactor pressure transient and resulting scram and actuation of the safety relief valves. It is proposed that slow, full stroke testing be performed during normal power operation. This full stroke exercising provides an acceptable means of verifying valve performance during plant operation without affecting safety margins. In addition, the MSIV's will be stroke timed during cold shutdowns. The fail safe test of the Outboard valves will also be performed at this time.

Alternative Frequency

These valves will be stroke timed and fail safe tested during cold shutdown (fail safe testing of the inboard MSIV's is performed during refueling and addressed in RJ-09).

Cold Shutdown Justification - CS-09

Description

It is not practicable to full stroke exercise open the HPCS Injection Valve during normal plant operation.

Affected Components

EPN	Class	Cat.	Description
1(2)E22-F004	1	A	HPCS Injection Line Isolation Valve

Justification

It is not practicable to full stroke exercise this valve during normal reactor operation. If the valve was opened at rated pressure, and the inboard testable check valve was to fail or leak, the low pressure piping could be subjected to reactor pressure. This would lift the low pressure piping relief valve and provide a flow path for reactor water outside the primary system, potentially overpressurizing the downstream low pressure piping. Exercising this valve during normal operation provides only single valve protection for the low pressure piping during this test.

Alternative Frequency

These valves will be full stroke exercised during cold shutdown.

Cold Shutdown Justification - CS-10

Description

It is not practicable to full stroke exercise close the following Reactor Core Isolation Cooling (RCIC) steam supply valves during normal plant operation.

Affected Components

EPN	Class	Cat.	Description
1(2)E51-F008	1	A	RCIC Steam Supply Outboard Isolation
1(2)E51-F063	1	A	RCIC Steam Supply Inboard Isolation

Justification

These valves provide a steam supply path to the turbine driven RCIC injection pump and are normally open to ensure that driving steam can be supplied to the RCIC turbines during normal plant operation. Closing these valves during operation would prevent auto initiation of RCIC should it be required during this time. Further, if either valve were to fail closed, the RCIC system would be rendered inoperable.

Alternative Frequency

These valves will be full stroke exercised closed during cold shutdown.

Cold Shutdown Justification - CS-11

Description

It is not practicable to full stroke exercise open the following Full Flow Test Valves during normal plant operation.

Affected Components

EPN	Class	Cat.	Description
1(2)E22-F023	2	A	HPCS Full Flow Test to Suppression Pool Isolation Valve
1(2)E21-F012	2	A	LPCS Full Flow Test Isolation Valve
1(2)E12-F021	2	A	RHR Pump C Full Flow Test Isolation Valve
1(2)E12-F024A	2	A	RHR Pump A Full Flow Test Isolation Valve
1(2)E12-F024B	2	A	RHR Pump B Full Flow Test Isolation Valve
1(2)E51-F019	2	A	RCIC Min Flow Bypass Stop

Justification

These valves are partial stroke tested quarterly during their respective inservice pump test surveillances. Full stroke exercising these valves with the pump in operation is not possible since pump damage will occur due to pump runout. Exercising the valve without the pump in operation will result in the draining of the associated piping, which renders the system inoperable for several hours until it is refilled and vented.

Partial stroking the valve during the pump surveillance ensures valve operability. In addition a partial stroke time test from the mid position is not repeatable for the timing requirements of the valve.

Alternative Frequency

These valves will be full stroke exercised and stroke timed during cold shutdown.

Cold Shutdown Justification - CS-12

Description

It is not practicable to full stroke exercise and stroke time the RCIC Outboard Injection Stop Valve during normal plant operation.

Affected Components

EPN	Class	Cat.	Description
1(2)E51-F013	1	A	RCIC Outboard Injection Stop Valve

Justification

During power operation, the RCIC piping is normally pressurized at 60 psig. One purpose of this valve is to isolate reactor pressure from the RCIC system. Opening the valve would result in a water hammer of the RCIC piping, and the high reactor water pressure would cause damage to the low pressure piping on the suction side of the RCIC pump. This piping is designed for a maximum pressure of 100 psig. The valve may be exercised during cold shutdowns when reactor pressure has been substantially reduced.

Alternative Frequency

The valves will be full stroke exercised and stroke timed during cold shutdown.

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ATTACHMENT 8

Refueling Justifications

Reactor Refueling Justification - RJ-01

Description

It is not practicable to exercise close the Feedwater Check valves during normal plant operation or cold shutdown.

Affected Components

EPN	Class	Cat.	Description
1(2)B21-F010A	1	AC	Feedwater Inboard Check Valve
1(2)B21-F010B	1	AC	Feedwater Inboard Check Valve
1(2)B21-F032A	1	AC	Feedwater Outboard Check Valve
1(2)B21-F032B	1	AC	Feedwater Outboard Check Valve

Justification

The feedwater line check valves are normally open during plant operation to allow coolant makeup to the reactor vessel. During plant shutdown conditions, this flowpath is also maintained available to allow coolant makeup to the reactor vessel if required. The feedwater line is also the return line for the reactor water cleanup system which is normally in operation during cold shutdown conditions to maintain reactor water quality. To verify closure of these normally open check valves, a leak rate test is required. This test is not possible during normal power operation since reactor coolant is passing through the feedwater lines.

These valves cannot be tested during cold shutdown due to the need to keep this flowpath available for reactor coolant makeup and reactor water cleanup return. To prepare these valves for testing requires draining and isolating the entire system and performing a leakage rate test to verify valve closure. This testing requires a large resource commitment which is not available during normally short cold shutdowns. Performing these tests also involves additional radiation exposure. These valves will be leak tested during refueling outages when feedwater flow is not needed and the lines may be drained. This is the only practical time to perform this test without straining resources needed to return the unit to service.

Reactor Refueling Justification - RJ-01 (continued)

The open position indicator can not be correctly adjusted and set while shutdown (with low or no feedwater flow) and the feed water lines in the area of these valves are a high radiation area during power operation and are inaccessible by personnel. Since the safety function of the 1(2)B21-F032A/B valves is to close; the absence of the open indication will not restrict power operation because the feedwater headers are individually monitored for flow.

Alternative Frequency

These valves will be exercised closed each refueling outage.

Reactor Refueling Justification - RJ-02

Description

It is not practicable to full stroke exercise open the Main Steam Relief Valve (MSRV) Vacuum Breakers during normal plant operation or cold shutdown.

Affected Components

EPN	Class	Cat.	Description
1(2)B21-F037A1/2	3	C	Safety Relief Valve Discharge Line Vacuum Breaker
1(2)B21-F037B1/2	3	C	Safety Relief Valve Discharge Line Vacuum Breaker
1(2)B21-F037C1/2	3	C	Safety Relief Valve Discharge Line Vacuum Breaker
1(2)B21-F037D1/2	3	C	Safety Relief Valve Discharge Line Vacuum Breaker
1(2)B21-F037E1/2	3	C	Safety Relief Valve Discharge Line Vacuum Breaker
1(2)B21-F037F1/2	3	C	Safety Relief Valve Discharge Line Vacuum Breaker
1(2)B21-F037G1/2	3	C	Safety Relief Valve Discharge Line Vacuum Breaker
1(2)B21-F037H1/2	3	C	Safety Relief Valve Discharge Line Vacuum Breaker
1(2)B21-F037J1/2	3	C	Safety Relief Valve Discharge Line Vacuum Breaker
1(2)B21-F037K1/2	3	C	Safety Relief Valve Discharge Line Vacuum Breaker
1(2)B21-F037L1/2	3	C	Safety Relief Valve Discharge Line Vacuum Breaker
1(2)B21-F037M1/2	3	C	Safety Relief Valve Discharge Line Vacuum Breaker
1(2)B21-F037N1/2	3	C	Safety Relief Valve Discharge Line Vacuum Breaker
1(2)B21-F037P1/2	3	C	Safety Relief Valve Discharge Line Vacuum Breaker
1(2)B21-F037R1/2	3	C	Safety Relief Valve Discharge Line Vacuum Breaker
1(2)B21-F037S1/2	3	C	Safety Relief Valve Discharge Line Vacuum Breaker
1(2)B21-F037U1/2	3	C	Safety Relief Valve Discharge Line Vacuum Breaker
1(2)B21-F037V1/2	3	C	Safety Relief Valve Discharge Line Vacuum Breaker

Justification

The vacuum breaker system allows MSRV downcomer pressure to equalize with drywell pressure as downcomer steam is condensed in the suppression pool. The 36 normally closed check valves (2 on each downcomer) which comprise this system are not equipped with an external means of actuation for exercising the valve. Exercising these valves can only be satisfactorily achieved by manually exercising the valve disk to its open position with a small diameter rod. Access to the disk is gained from the intake port of the valve body. The exercise test requires access to the drywell, which requires the drywell to be de-inerted, and removal of several sections of seismic mounted grating from each valve location because all the valves are installed below floor level.

Reactor Refueling Justification - RJ-02 (continued)

The removal of the floor grating would hinder general area access on the 740' elevation and also create a hazardous fall area for personnel who need drywell access to perform other drywell activities. It is estimated that removal and replacement of the grating for all the vacuum breakers would require about 72 hours.

The time required for the necessary radiation surveys and actual testing is approximately 6 hours. The total time required to perform this testing is about 78 hours, and this time would be added to the time that the Unit must be in cold shutdown and de-inerted. Testing during every cold shutdown would place an undue burden on resources and delay return to power operation. Adequate testing of this system will be achieved by exercising the valves during refueling outages as described above.

Alternative Frequency

These valves will be exercised open each refueling outage.

Reactor Refueling Justification - RJ-03

Description

It is not practicable to full stroke close the following drywell instrument nitrogen valves during normal plant operation or cold shutdown.

Affected Components

EPN	Class	Cat.	Description
1(2)IN001A	2	A	Drywell Suction Isolation Valve
1(2)IN001B	2	A	Drywell Suction Isolation Valve
1(2)IN017	2	A	Drywell Nitrogen Purge Isolation Valve
1(2)IN018	2	AC	Drywell Nitrogen to Drywell Check Valve
1(2)IN031	2	A	Tip Indexer Purge Isolation Valve
1(2)IN043	3	C	ADS Supply Check Valve
1(2)IN044	3	C	ADS Supply Check Valve
1(2)IN074	2	A	Drywell Nitrogen Purge Isolation Valve
1(2)IN075	2	A	Drywell Nitrogen Purge Isolation Valve
1(2)IN100	2	B	ADS Nitrogen Supply to Drywell Isolation Valve
1(2)IN101	2	B	ADS Nitrogen Supply to Drywell Isolation Valve

Justification

These valves provide instrument nitrogen to equipment in the drywell, and either isolate the Nitrogen Compressor when closed or (as in the case of the 1(2)IN043, 1(2)IN044 and 1(2)IN018 check valves) would otherwise require the IN system to be shutdown in order to perform a leak test. The loss of the IN system will result in a loss of control of the inboard MSIV's, the SRV's, and all other air operated valves in the Primary Containment.

System design provides an alternate emergency air supply for the system in the event the IN compressor is inoperable. However, the drywell is required to be nitrogen inerted during power operation and is not routinely de-inerted during cold shutdown.

Reactor Refueling Justification - RJ-03 (continued)

The use of station Instrument Air to feed the Drywell Pneumatic system will result in a gradual increase in Primary Containment atmosphere oxygen concentration during periods when the Primary Containment is required to be inerted. Testing these valves would require that the drywell be de-inerted. In addition, the TIP indexer purge valves 1(2)IN031 allows a continuous purge supply of dry nitrogen to the TIP index mechanism and guide tubes during normal operation. This prevents changes in drywell atmosphere humidity from destroying the Sermetel (graphite) coating of the guide tubes, which could render the TIP system inoperable. The nitrogen purge also limits the amount of general corrosion on all interior surfaces, and thus further reduces the possibility of component failure.

When the Drywell Pneumatic system is no longer required to provide instrument nitrogen to drywell components during cold shutdowns, and the drywell is de-inerted, the IN system may be shutdown. Typically, the IN system is only shutdown during extended planned outages when this evolution and testing would not increase the probability of delaying a Unit start-up.

Alternative Frequency

These valves will be full stroke exercised closed each refueling outage.

Reactor Refueling Justification - RJ-04

Description

It is not practicable to verify full stroke capability of the Main Steam Isolation Valve Leakage Control System (MSIV-LCS) check valves during normal plant operation or cold shutdown.

Affected Components

EPN	Class	Cat.	Description
1(2)E32-F010	2	C	MSIV-LCS Low Pressure Manifold Drn Check Valve
1(2)E32-F011	2	C	MSIV-LCS Dnstrm Exh Blwr Manifold Check Valve
1(2)E32-F310A	2	C	MSIV-LCS Upstrm Exh Blwr Manifold Check Valve
1(2)E32-F310B	2	C	MSIV-LCS Upstrm Exh Blwr Manifold Check Valve
1(2)E32-F310C	2	C	MSIV-LCS Upstrm Exh Blwr Manifold Check Valve
1(2)E32-F310D	2	C	MSIV-LCS Upstrm Exh Blwr Manifold Check Valve

Justification

The MSIV-LCS is designed to control the leakage from the MSIV's consistent with containment leakage limits imposed for the conditions associated with a postulated design-basis LOCA. There is no design basis flow for these check valves. The valves simply must open sufficiently to drain condensate from the lines and close to prevent excessive air from being drawn back into the system, which could possibly result in a system isolation.

Based on a study performed in response to SOER 86-03, check valves two inches and smaller do not experience failure due to misapplication concerns with respect to sizing and hydrodynamic effects. The predominant failure mode of check valves in this size range is due to seat leakage caused by dirt build-up, corrosion and chemical deposits. The MSIV-LCS system is normally exposed to air, which would not lead to the type of failure concluded from the study discussed above.

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Reactor Refueling Justification - RJ-04 (continued)

These check valves are designed with a seal welded bonnet and require cutting/grinding off the seal weld to open the check valve up for inspection, and then welding upon installation of the bonnet. This is considered to be burdensome and not practical, therefore, the sample disassembly and inspection plan described in RV-01 will be used.

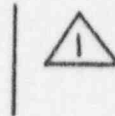
Alternative Frequency

These check valves will be disassembled and inspected in accordance with the sampling technique outlined in Generic Letter 89-04.

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Reactor Refueling Justification - RJ-05

This Reactor Refueling Justification has been deleted.



Reactor Refueling Justification - RJ-06

Description

It is not practicable to verify full closure of the MSIV and ADS accumulator check valves during normal plant operation or cold shutdown.

Affected Components

EPN	Class	Cat.	Description
1(2)B21-F024A/B/C/D	3	C	Inbd MSIV Accumulator Check Valve
1(2)B21-F029A/B/C/D	3	C	Outbd MSIV Accumulator Check Valve
1(2)B21-F040C/D/E/R/S/U/V	3	C	ADS Accumulator Check Valves

Justification

In order to prove the closure capability of the automatic depressurization system and the inboard main steam line nitrogen accumulator supply check valves a pressure drop test is required to be performed. This requires access to the drywell to install temporary pressure gauges to measure pressure decay in each accumulator. Normally, the drywell atmosphere is inerted with nitrogen gas rendering it inaccessible by personnel at all times except during refueling outages.

In order to prove the closure capability of the outboard main steam line accumulator supply check valves a pressure drop test is also required to be performed. It is impracticable to test these valves during forced outages because of manpower constraints and interference with testing the MSIV's. The pressure drop test requires isolating the instrument air supply to all MSIV's which renders them inoperable, and takes approximately three shifts to complete, once the test is started.

In addition, each of the accumulators is monitored continuously by pressure instrumentation which alarms in the main control room on low pressure to alert operating personnel of abnormal conditions. The opening capability of these valves is demonstrated by exercising of the MSIV's since the accumulators are bled down during both the opening and closing cycle. This is considered to be an acceptable level of testing to ensure the operability of these check valves.

Alternative Frequency

A pressure drop test will be performed during the refueling outage to verify full closure of these valves.

Reactor Refueling Justification - RJ-07

Description

It is not practicable to full or partial stroke exercise the Feedwater Testable Check Valve Accumulator Check Valves during normal plant operation or cold shutdown.

Affected Components

EPN	Class	Cat.	Description
1(2)B21-F529A	3	C	IA Accumulator Check Valve to FW Testable CV
1(2)B21-F529B	3	C	IA Accumulator Check Valve to FW Testable CV

Justification

To verify the closure capability of these valves requires back pressurizing the check valve and verifying the valve closed by observing no significant loss of pressure (leak rate test). To perform this test requires that an extensive amount of accumulator piping in the steam tunnel be disassembled and temporary gauges installed to test the valves.

Verifying closure of these valves during normal power operation or cold shutdown is impracticable due to the elevated dose rates and room temperatures of the steam tunnel during these modes of operation. In addition extensive maintenance is required to perform this test and may delay startup from a cold shutdown condition.

Alternative Frequency

These valves will be exercised closed each refueling outage.

Reactor Refueling Justification - RJ-08

Description

It is not practicable to exercise close the Recirculation Pump Seal Flow Check Valves during normal plant operation or cold shutdown.

Affected Components

EPN	Class	Cat.	Description
1(2)B33-F013A/B	2	AC	RR Pump Seal Flow Check Valve
1(2)B33-F017A/B	2	AC	RR Pump Seal Flow Check Valve

Justification

These valves are in the reactor recirculation pump seal purge lines. The mechanical seals are kept clean and cool by a seal purge. The seal purge provides a continuous flow of clean, cool water from the control rod drive system. It is highly desirable to maintain this flow at all times. If the flow is interrupted a backflow of water may carry foreign material into the seal which could result in rapid seal wear. The seal purge line check valves are normally open during plant operation to allow cooling flow to the reactor recirculation pump seals. During plant shutdown conditions this flowpath is also maintained in operation for the same reasons. A leak rate test must be performed in order to verify the closure of these normally open check valves. This test is not possible during power operation because of normal flow through the lines. These valves cannot be tested during cold shutdown due to the need to keep this flowpath in operation which precludes the possibility of performing leakage rate testing. This testing requires a large resource commitment which is not available during normally short cold shutdowns and involves significant setup time and additional radiation exposure.

These valves can only be exercised during refueling outages when the reactor recirculation pumps are shutdown and seal purge flow is not required.

Alternative Frequency

These valves will be exercised closed and leak tested during refuel outages.

Reactor Refueling Justification - RJ-09

Description

It is not practicable to fail-safe test the inboard MSIV's during normal plant operation or cold shutdown.

Affected Components

EPN	Class	Cat.	Description
1(2)B21-F022A	1	A	Main Steam Line A Inboard Isolation Valve (MSIV)
1(2)B21-F022B	1	A	Main Steam Line A Inboard Isolation Valve (MSIV)
1(2)B21-F022C	1	A	Main Steam Line A Inboard Isolation Valve (MSIV)
1(2)B21-F022D	1	A	Main Steam Line A Inboard Isolation Valve (MSIV)

Justification

Stroke time testing these valves during normal reactor operation requires quickly (3 to 5 seconds) isolating one of the four main steam lines. This fast of an isolation of these lines results in primary system pressure spikes, reactor power fluctuation, and increased flow in the unisolated steam lines. This unstable operation can lead to a reactor scram, and as discussed in NUREG-0626, pressure transients resulting from stroke testing MSIV's increase the chances of actuating primary system relief valves. Slow, full stroke exercising provides an acceptable means of verifying valve performance during plant operation without affecting safety margins.

Alternative Frequency

These valves will be fail-safe tested during refueling outages. Slow, full stroke testing will be performed during power operation and the valves will be stroke timed during cold shutdowns. Fail-safe testing of 1(2)B21-F022 A/B/C/D inboard MSIV's will be completed only during refueling outages due to lack of drywell accessibility at other times.

Reactor Refueling Justification - RJ-10

Description

It is not practicable to stroke time the Scram Discharge Volume Vent and Drain Valves during normal plant operation or cold shutdown.

Affected Components

EPN	Class	Cat.	Description
1(2)C11-F380	2	B	CRD Scram Discharge Instr. Volume Vent
1(2)C11-F381	2	B	CRD Scram Discharge Instr. Volume Drain
1(2)C11-F388	2	B	CRD Scram Discharge Instr. Volume Vent
1(2)C11-F389	2	B	CRD Scram Discharge Instr. Volume Drain

Justification

During reactor operation the scram discharge volume vent and drain valves operate in pairs and cannot be stroke timed with any repeatability because of the bleed valves installed in the supply (-F383) and exhaust lines (-F384), which are adjusted to control the sequencing between the upstream and downstream vent and drain valves. The -F380 and -F381 (downstream) valves are adjusted to close after the -F388 and -F389 (upstream) valves during a full core scram. When the full core scram is reset, the -F380 and -F381 valves are adjusted to open after the -F388 and -F389 valves. This design prevents locking pressurized air or water between the redundant vent or drain valve.

In order to measure the individual valve stroke time a strip chart recorder(s) is required to be connected to the electrical circuit of each valve, this in itself requires a number of man-hours because of the necessary procedural first and second verifications involved with lifting and landing leads to alleviate personnel errors. This elaborate timing set up would not provide any relevant data indicative of valve performance or condition, since the bleed rates themselves are not consistent.

Reactor Refueling Justification - RJ-10 (continued)

Exercising these valves quarterly without timing is sufficient to adequately assess their operational readiness. These valves will be individually stroke timed on a refueling outage frequency.

Alternative Frequency

These valves will be full stroke timed during refueling outages.

Reactor Refueling Justification - RJ-11

Description

It is not practicable to verify the close capability of the Excess Flow Check Valves during normal plant operation or cold shutdown.

Affected Components

EPN	Class	Cat.	Description
All Excess Flow Check Valves Indicated in the program. (High and low pressure)	2	AC	Excess Flow Check Valves

Justification

Excess flow check valves, depending on service, are designed to automatically close either in the event of a downstream line rupture in which flow exceeds 6.5 gpm, or if drywell pressure exceeds 2 psig. Upon closing, these valves are designed to allow a controlled leakage. Exercising these valves requires that such essential instrumentation as recirculation flow instrumentation, ECCS initiation, Primary Cont. isolation, RPS and neutron monitoring instrumentation temporarily be taken out of service which would render this required instrumentation (or that entire ECCS division), inoperable, possibly forcing a plant shutdown. In addition, isolation of these valves and subsequent return to service may cause transients to other instruments causing unnecessary RPS, PCIS, and ECCS actuation. Furthermore, these valves cannot be exercised during cold S/D because removal of multiple instruments from service could prevent operation of systems required for decay heat removal.

Alternative Frequency

The Excess Flow Check valves will be full stroke tested during refueling outages.

Reactor Refueling Justification - RJ-12

Description

It is not practicable to full stroke exercise open the following Testable Check Valves during normal plant operation or cold shutdown.

Affected Components

EPN	Class	Cat.	Description
1(2)E22-F005	1	AC	HPCS Injection Inboard Testable Check Valve
1(2)E21-F006	1	AC	LPCS Injection Inboard Testable Check Valve
1(2)E12-F041A	1	AC	RHR Injection Inboard Testable Check Valve
1(2)E12-F041B	1	AC	RHR Injection Inboard Testable Check Valve
1(2)E12-F041C	1	AC	RHR Injection Inboard Testable Check Valve

Justification

These normally closed testable check valves serve as the first isolation valve in the event of a system line break. Testing could be performed during power operation, however, the possibility exists that these valves may not properly reseal, rendering them incapable of performing their isolation function. Since the drywell is inaccessible during power operation, the affected penetration would need to be isolated, causing the system to be unavailable for its emergency function. The risk involved with the cycling of these valves during power operation is much greater than the assurance of operability gained by quarterly testing. The valves will be exercised at cold shutdown when their isolation function is not required.

These check valves were originally designed and furnished by the manufacturer to verify operability by partially stroking the disc from the closed position. The actuator design is incapable of closing the valve against flow or keeping it open against reverse flow and moves the disk from the fully closed position to 31% of full stroke (25 of the 80 degrees "free tilting" disk travel). Based on the manufacturer's experience, if the disk can be partially stroked by means of the test operator there is a high degree of confidence that the valve will fully open under design flow conditions.

Reactor Refueling Justification - RJ-12 (continued)

It is impractical to inject full flow or disassemble the valves for inspection during cold shutdowns because: (1) dead legs of piping flushed into the reactor could impact chemistry requirements and would significantly delay plant start-up (2) disassembly requires an extensive manpower and resource commitment; (3) exposure to personnel is substantial--pre and post radiation surveys, etc; (4) drywell entry is prohibited unless de-inerted.

Alternative Frequency

As an alternate test, LaSalle will exercise these valves during cold shutdown by use of the test operator, demonstrate full-stroke capability by injecting the required design flow through the valve or by disassembly and inspection each refueling outage. For subsequent operability testing, the test operator will be used to partially stroke the valve disk. This level of testing will verify the operability of these valves.

Reactor Refueling Justification - RJ-13

Description

It is not practicable to verify the full open capability of the LPCI Minimum Flow Check Valves during normal plant operation or cold shutdown.

Affected Components

EPN	Class	Cat.	Description
1(2)E12-F046A	2	C	LPCI Minimum Flow Line Check Valve
1(2)E12-F046B	2	C	LPCI Minimum Flow Line Check Valve
1(2)E12-F046C	2	C	LPCI Minimum Flow Line Check Valve

Justification

The LPCI minimum flow line is designed to pass approximately 550 gpm (FSAR 6.3.8) to provide sufficient flow to avoid overheating the pump due to low flow operation. There is no installed instrumentation to measure this flow for full-stroke ability of the -F046 valves. The quarterly operability and inservice surveillance test verifies an audible flow noise through the minimum flow line to determine the opening capability of the -F046 valves. This test is performed during pump start on the minimum flow line, prior to opening the full-flow test return valve. When flow in the discharge line reaches approximately 500-1000 gpm the minimum flow line isolates and audible flow noise is verified to have stopped, indicating no flow. Per Generic Letter 89-04 this is considered a partial-stroke test, therefore, the disassembly and inspection plan described in RV-01 will be used to full-stroke exercise test the -F046 valves during refueling outages. The time duration that these valves experience flow during the course of plant operation is short; normally only during the pump starting process do these lines have flow. This type of operating environment has not produced any substantial wear in the past. This is based on recent internal inspections performed for the INPO SOER 86-03 check valve misapplication and location concerns. Using the sample disassembly and inspection program for these valves is also consistent with the check valve preventive maintenance program implemented in response to SOER 86-03.

Alternative Frequency

These check valves will be disassembled and inspected to verify operability in accordance with the sampling technique outlined in Generic Letter 89-04 and RV-01.

Reactor Refueling Justification - RJ-14

Description

It is not practicable to verify closure capability of the Reactor Vessel Water Level Indication (RVWLIS) Reference Leg Continuous Backfill Panel Check Valves during normal plant operation or cold shutdown.

Affected Components

EPN	Class	Cat.	Description
1(2)C11-F422B	2	AC	RVWLIS Instrument Panel B Check Valve
1(2)C11-F422D	2	AC	RVWLIS Instrument Panel D Check Valve
1(2)C11-F422F	2	AC	RVWLIS Instrument Panel F Check Valve
1(2)C11-F422G	2	AC	RVWLIS Instrument Panel G Check Valve
1(2)C11-F423B	2	AC	RVWLIS Instrument Panel B Check Valve
1(2)C11-F423D	2	AC	RVWLIS Instrument Panel D Check Valve
1(2)C11-F423F	2	AC	RVWLIS Instrument Panel F Check Valve
1(2)C11-F423G	2	AC	RVWLIS Instrument Panel G Check Valve

Justification

The RWL Reference Leg Continuous Backfill System is designed to prevent the introduction and propagation of non-condensable gases into instrument sensing lines and the possible adverse affects upon RWL indications and actuations. This system ensures that there is clean and gas free water within the instrument reference legs and that there will be no adverse affects upon RWL trips and actuations. The backfill lines are installed on the reactor side of the instrument reference legs (Condensing pots 1(2)B21-D004A, B, C, and D). This will prevent an overpressure condition, in conjunction with a reference leg isolation root valve inadvertent closure, from actuating several level and pressure switches on the affected main instrument rack(s) and causing several unwanted and potentially serious transients (e.g. SRV actuations).

These check valves have been designated as safety-related and have a closed safety function as containment isolation valves. OM-10 requires that any check valve be exercised to it's safety position(s) on a quarterly basis. Thus, the RVWLIS Instrument Panel Check Valves are required to be exercised to the closed position quarterly. This type of testings not possible during normal plant operation. Any cycling of the check valves may introduce a pressure spike that will propagate into the main instrument rack(s) and cause spurious level actuations (ECCS actuations, diesel generator starts, and FW/RWLU fluctuations).

Reactor Refueling Justification - RJ-14 (continued)

These valves lack the design provisions to verify closure during Cold Shutdown. The only means to closure test these check valves is during Appendix J leak rate testing, which must be done during carefully established conditions (normally core off-loaded). The potential for a pressure spike that causes loss of RHR Shutdown Cooling (SDC) is high. The event sequence of: (1) pressure spike causing loss of SDC which initiates (2) containment valve emergency closure with potential valve damage and (3) inability to restore SDC, is of high enough probability and significance that the alternative frequency for valve cycling is warranted. This, coupled with the test equipment installation and removal time and the possibility that of closing the valves during Cold Shutdown could lead to the loss of instrumentation channels (i.e. draining the reference legs), render closure testing during Cold Shutdown is also not practical.

Alternative Frequency

The RVWLIS Instrument Panel Check Valves will be exercised and verified closed per the Appendix J leak test performed during each refueling outage.

Reactor Refueling Justification - RJ-15

Description

It is not practicable to verify the closure capability of the DG Cooling Water Pump and Fuel Pool Emergency Makeup Pump discharge check valves during normal operations or cold shutdown.

Affected Components

EPN	Class	Cat.	Description
0DG002	3	C	0 DG Cooling Water Pump Disch. Check Valve
1(2)DG002	3	C	A DG Cooling Water Pump Disch Check Valve
1(2)E22-F028	3	C	HPCS DG Cooling Water Pump Disch. CV
1FC044A/B	3	C	FP Emergency Makeup Pump Disch. CV
2FC044A/B	3	C	FP Emergency Makeup Pump Disch. CV

Justification

These check valves are installed on the individual discharge piping of the DG Cooling Water Pumps and the Fuel Pool Emergency Makeup Pumps. Their safety function is to open to allow flow of cooling or makeup water and to close to prevent backflow from damaging the pumps. The open safety function is verified quarterly by running design full flow through the valve.

However, due to the system configuration it is impossible to verify that the check valves are able to close. Each pumps discharge piping returns to the cooling lake via a common header thus it is impossible to pressurize behind the check valve using another pump's flow. Nor do these check valves have any local or remote position indication which would give a status of the valves position. This inability to perform an adequate closure test of the check valves is independent of the Operating Condition of the reactor.

Alternative Test

These check valves will be disassembled, exercised closed, and inspected in accordance with the sampling technique outlined in Generic Letter 89-04 and Relief Request RV-01.



Reactor Refueling Justification - RJ-16

Description

It is not practicable to full stroke close the VP Chill Water Supply and Return Containment Isolation valves during normal plant operation or cold shutdown.

Affected Components

EPN	Class	Cat.	Description
1(2)VP053A/B	2	A	Chilled Water Return
1(2)VP114A/B	2	A	Chilled Water Return
1(2)VP063A/B	2	A	Chilled Water Supply
1(2)VP113A/B	2	A	Chilled Water Supply

Justification

Closing one of these isolation valves would prevent chilled water from reaching the primary containment cooling units. This systems operation is essential to drywell equipment operability during power operation and is also necessary during cold shutdowns to maintain acceptable conditions in drywell for maintenance personnel.

The reactor system in cold shutdown is normally maintained at some temperature below 200 F, but as warm as possible, except during refuel outages. This practice is consistent with minimal time expenditure for turnaround and return to power operation from unscheduled cold shutdowns. This condition will add heat to the drywell at a rate which will make the drywell inaccessible to personnel if the drywell coolers are not available.

This testing will require either additional reactor system cooldown or some amount of delay in completing the repair that necessitated the Unit shutdown, with the ultimate consequence of delaying the timely return to power operation. These valves should only be exercised during refueling outages when the heat input to the drywell atmosphere is substantially reduced, and when the probability of delaying a Unit startup is minimal.

Alternative Test

Valves will be full stroke exercised and stroke timed close during each refuel outage.



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ATTACHMENT 9

Unit #1 and #2 Pump Tables

Facility: LaSalle Unit Common
System ID: DG — Diesel Generator

Pump Number	P&ID	Coord	Class	Pump Type	Test	Test Sched	RP	Tech Pos
0DG01P	87-2	C7	3	Centrifugal Pump	Differential Pressure Test	Q		
					Flow Rate Test	Q		
					Vibration Test	Q		TP-03
	DG Cooling Water Pump 0A							

System ID: DG — Diesel Generator

Facility: LaSalle Unit Common
 System ID: DO — Diesel Oil

Pump Number	P&ID	Coord	Class	Pump Type	Test	Test Sched	RP	Tech Post
0D001P	85-1	C4	3	Centrifugal Pump	Differential Pressure Test Flow Rate Test Vibration Test	Q Q Q		TP-03

.....
 DG Feed Transfer Pump 8A

Facility: LaSalle Unit 1
 System ID: DG -- Diesel Generator

Pump Number	PAID	Coord	Class	Pump Type	Test	Test Sched	RP	Tech Fee
1DC01P	87-1	D7	3	Centrifugal Pump	Differential Pressure Test Flow Rate Test Vibration Test	Q Q Q		TP-03

.....
 DG Cooling Water Pump 1A

Facility: LaSalle Unit 1
 System ID: DO -- Diesel Oil

Pump Number	PAID	Coord	Class	Pump Type	Test	Test Sched	RP	Tech Pos
1DC01P	85-1	C6	3	Centrifugal Pump	Differential Pressure Test Flow Rate Test Vibration Test	Q Q Q		TP-03
.....								
DG Fuel Transfer Pump 1A								
1DC02P	85-1	C1	3	Centrifugal Pump	Differential Pressure Test Flow Rate Test Vibration Test	Q Q Q		TP-03
.....								
HPCS DG Fuel Transfer Pump 1B								
.....								

Facility: LaSalle Unit 1
 System ID: FC — Fuel Pool Cooling

Pump Number	P&ID	Coord	Class	Pump Type	Test	Test Sched	RF	Tech Per
1FC03PA	E7-2	E7	3	Centrifugal Pump	Differential Pressure Test Flow Rate Test Vibration Test	Q Q Q		TP-03
Fuel Pool Emergency Makeup Pump 1A								
1FC03PB	E7-1	C7	3	Centrifugal Pump	Differential Pressure Test Flow Rate Test Vibration Test	Q Q Q		TP-03
Fuel Pool Emergency Makeup Pump 1B								

Facility: LaSalle Unit 1

System ID: HP — High Pressure Core Spray

Pump Number	P&ID	Coord	Class	Pump Type	Test	Test Sched	RP	Tech Pos
1E22-C001	95	C2	2	Centrifugal Pump	Differential Pressure Test	Q	RP-03	
					Flow Rate Test	Q		
					Vibration Test	Q		TP-03
	HPCS Pump							

1E22-C002	87-1	B7	3	Centrifugal Pump	Differential Pressure Test	Q		
					Flow Rate Test	Q		
					Vibration Test	Q		TP-03
	HPCS DG Cooling Water Pump							

1E22-C003	95	D4	2	Centrifugal Pump	Differential Pressure Test	Q	RP-01	
					Vibration Test	Q		TP-03
	HPCS Water Leg Pump							

System ID: HP — High Pressure Core Spray

Facility: LaSalle Unit 1
 System ID: LP -- Low Pressure Core Spray

Pump Number	F&ID	Coord	Class	Pump Type	Test	Test Sched	RF	Test Pos
1E21-C001	94	B2	2	Centrifugal Pump	Differential Pressure Test Flow Rate Test Vibration Test	Q Q Q		TP-03
LPCS Pump								
1E21-C002	94	B3	2	Centrifugal Pump	Differential Pressure Test Vibration Test	Q Q	RP-01	TP-03
LPCS Water Log Pump								

Facility: LaSalle Unit 1
 System ID: RH — Residual Heat Removal

Pump Number	P&ID	Coord	Class	Pump Type	Test	Test Sched	RP	Tech Fun
1E12-C002A	96-1	A5	2	Centrifugal Pump	Differential Pressure Test Flow Rate Test Vibration Test	Q Q Q	RP-02	TP-03
RHR Pump 1A								
1E12-C002B	96-2	B4	2	Centrifugal Pump	Differential Pressure Test Flow Rate Test Vibration Test	Q Q Q	RP-02	TP-03
RHR Pump 1B								
1E12-C002C	96-3	C5	2	Centrifugal Pump	Differential Pressure Test Flow Rate Test Vibration Test	Q Q Q	RP-02	TP-03
RHR Pump 1C								
1E12-C003	96-3	A7	2	Centrifugal Pump	Differential Pressure Test Vibration Test	Q Q	RP-02 RP-01	TP-03
RHR Water Leg Pump								
1E12-C300A	87-2	A7	3	Centrifugal Pump	Differential Pressure Test Flow Rate Test Vibration Test	Q Q Q		TP-03
RHR Service Water Pump 1A								
1E12-C300B	87-2	B7	3	Centrifugal Pump	Differential Pressure Test Flow Rate Test Vibration Test	Q Q Q		TP-03
RHR Service Water Pump 1B								
1E12-C300C	87-1	E7	3	Centrifugal Pump	Differential Pressure Test Flow Rate Test Vibration Test	Q Q Q		TP-03
RHR Service Water Pump 1C								
1E12-C300D	87-1	F7	3	Centrifugal Pump	Differential Pressure Test Flow Rate Test Vibration Test	Q Q Q		TP-03
RHR Service Water Pump 1D								

System ID: RH — Residual Heat Removal

Facility: LaSalle Unit 2
 System ID: DG --- Diesel Generator

Pump Number	P&ID	Code	Class	Pump Type	Test	Test Method	RF	Test Per
2DC01P	134-1	D7	3	Centrifugal Pump	Differential Pressure Test Flow Rate Test Vibration Test	Q Q Q		TP-03

.....
 DG Cooling Water Pump 1A

Facility: LaSalle Unit 2
 System ID: DO -- Diesel Oil

Pump Number	P&ID	Coord	Class	Pump Type	Test	Test Sched	RF	Tech Pos
2DO01P	132	C6	3	Centrifugal Pump	Differential Pressure Test Flow Rate Test Vibration Test	Q Q Q		TP-03
.....								
DG Fuel Transfer Pump 2A								
2DO02P	132	C4	3	Centrifugal Pump	Differential Pressure Test Flow Rate Test Vibration Test	Q Q Q		TP-03
.....								
HPCS DG Fuel Transfer Pump 2B								
.....								

System ID: DO -- Diesel Oil

Facility: LaSalle Unit 2
 System ID: FC -- Fuel Pool Cooling

Pump Number	P&ID	Class	Coord	Class	Pump Type	Test	Test Sched	RP	Yock Pen
2FC03PA	134-2	E7	3	Centrifugal Pump	Differential Pressure Test Flow Rate Test Vibration Test	Q Q Q		TP-03	
Fuel Pool Emergency Makeup Pump 2A									
2FC03PB	134-1	C7	3	Centrifugal Pump	Differential Pressure Test Flow Rate Test Vibration Test	Q Q Q		TP-03	
Fuel Pool Emergency Makeup Pump 2B									

Facility: LaSalle Unit 2

System ID: HP — High Pressure Core Spray

Pump Number	P&ID	Coord	Class	Pump Type	Test	Test Sched	RP	Tech Pos
2E22-C001	141	B2	2	Centrifugal Pump	Differential Pressure Test	Q	RP-03	
					Flow Rate Test	Q		
					Vibration Test	Q		TP-03
	HPCS Pump							

2E22-C002	134-1	B7	3	Centrifugal Pump	Differential Pressure Test	Q		
					Flow Rate Test	Q		
					Vibration Test	Q		TP-03
	HPCS DG Cooling Water Pw.p							

2E22-C003	141	D4	2	Centrifugal Pump	Differential Pressure Test	Q	RP-01	
					Vibration Test	Q		TP-03
	HPCS Water Leg Pump							

System ID: HP — High Pressure Core Spray

Facility: LaSalle Unit 2
 System ID: LP --- Low Pressure Core Spray

Pump Number	P&ID	Cont'd	Class	Pump Type	Test	Test Sched	RP	Tech Post
2E21-C001	140	B2	2	Centrifugal Pump	Differential Pressure Test Flow Rate Test Vibration Test	Q Q Q		TP-03
LPCS Pump								
2E21-C002	140	B3	2	Centrifugal Pump	Differential Pressure Test Vibration Test	Q Q	RP-01	TP-03
LPCS Water Log Pump								

Facility: LaSalle Unit 2
 System ID: RH — Residual Heat Removal

Pump Number	PAID	Coord	Class	Pump Type	Test	Test Sched	RP	Tech Fee
2E12-C002A	142-1	A5	2	Centrifugal Pump	Differential Pressure Test Flow Rate Test Vibration Test	Q Q Q	RP-02	TP-03
RHR Pump 1A								
2E12-C002B	142-2	B4	2	Centrifugal Pump	Differential Pressure Test Flow Rate Test Vibration Test	Q Q Q	RP-02	TP-03
RHR Pump 1B								
2E12-C002C	142-3	C5	2	Centrifugal Pump	Differential Pressure Test Flow Rate Test Vibration Test	Q Q Q	RP-02	TP-03
RHR Pump 1C								
2E12-C003	142-3	A7	2	Centrifugal Pump	Differential Pressure Test Vibration Test	Q Q	RP-02 RP-01	TP-03
RHR Water Leg Pump								
2E12-C300A	134-2	A7	3	Centrifugal Pump	Differential Pressure Test Flow Rate Test Vibration Test	Q Q Q		TP-03
RHR Service Water Pump 1A								
2E12-C300B	134-2	B7	3	Centrifugal Pump	Differential Pressure Test Flow Rate Test Vibration Test	Q Q Q		TP-03
RHR Service Water Pump 1B								
2E12-C300C	134-1	E7	3	Centrifugal Pump	Differential Pressure Test Flow Rate Test Vibration Test	Q Q Q		TP-03
RHR Service Water Pump 1C								
2E12-C300D	134-1	F7	3	Centrifugal Pump	Differential Pressure Test Flow Rate Test Vibration Test	Q Q Q		TP-03
RHR Service Water Pump 1D								

System ID: RH — Residual Heat Removal

LaSalle County Station
Inservice Testing Plan
Units #1 and #2
Revision 1

ATTACHMENT 10

Unit #1 and #2 Valve Tables

Facility: LaSalle Unit Common
 System ID: DG — Diesel Generator

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
0DG002	87-2	D6	12.00	3	C	NSC	SA	C	A	CTC CTO	SAM Q	RV-1/RJ-15		
DG Cooling Water Pump Discharge Check Valve														
0DG009	87-2	C5	4.00	3	B	GT	MO	C	A	E	Q			
DG Cooling Water Strainer Backwash Valve														
0DG014	87-2	D4	.75x1.0	3	C	RV	SA	C	P	RT	10Y			2
DG 0A Cooler Relief Valve														
0DG023A	83-2	C6	1.00	3	C	CV	SA	O/C	A	CTC CTO	Q Q			
Air Start Compressor Discharge Check Valve														
0DG023B	83-2	F6	1.00	3	C	CV	SA	O/C	A	CTC CTO	Q Q			
Air Start Compressor Discharge Check Valve														
0DG029A	83-2	E6	0.38	3	C	RV	SA	C	P	RT	10Y			
0 DG Air Receiver Relief Valve														
0DG029B	83-2	F6	0.38	3	C	RV	SA	C	P	RT	10Y			
0 DG Air Receiver Relief Valve														
0DG035A	83-2	E3	2.00	N	B	GT	AO	C	A	BTO FST	Q Q	RV-06 RV-06	TP-05	
Diesel Generator Starting Air Relay Valve														
0DG035B	83-2	F3	2.00	N	B	GT	AO	C	A	BTO FST	Q Q	RV-06 RV-06	TP-05	
Diesel Generator Starting Air Relay Valve														
0DG036A	83-2	D4	2.00	N	B	CNV	SO	C	A	BTO FST	Q Q	RV-06 RV-06	TP-05	
Diesel Generator Starting Air Control Valve														

System ID: DG — Diesel Generator

Facility: LaSalle Unit Common
 System ID: DG — Diesel Generator

Valve Number	P&ID	Coord	Size	Class	Cut	Valve Type	Act Type	Normal Pos	Active/Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
0DG036B	83-2	E4	2.00	N	B	CNV	SO	C	A	BTO FST	Q Q	RV-06 RV-06	TP-05	
Diesel Generator Starting Air Control Valve														
0DG038A	83-2	D3	2.00	N	C	CV	SA	C	A	CTC	Q	RV-06	TP-05	
Diesel Generator Starting Air Check Valve														
0DG038B	83-2	E3	2.00	N	C	CV	SA	C	A	CTC	Q	RV-06	TP-05	
Diesel Generator Starting Air Check Valve														
0DG048A	83-4	B6	1.00	3	C	CV	SA	C	A	CTC	Q		TP-05	
Diesel Generator DC Soak Back Disch Check Valve														
0DG048B	83-4	B6	1.00	3	C	CV	SA	C	A	CTC	Q		TP-05	
Diesel Generator AC Soak Back Disch Check Valve														
0DG051	83-4	B3	1.00	3	C	CV	SA	C	A	CTC	Q		TP-05	
Diesel Generator Lube Oil Cooler Disch Check Valve														
0DGABC	83-4	C8	1.00	N	C	CV	SA	C	A	CTO	Q		TP-05	14
Diesel Generator Turbocharger Check Valve														

System ID: DG — Diesel Generator

Facility: LaSalle Unit Common
 System ID: DO -- Diesel Oil

Valve Number	PAID	Coord	Size	Class	Out	Valve Type	Act Type	Normal Pos	Activ/Passive	Test	Test Sched	RV/RJCF	Tech Pos	Notes
0DO-002		D4	1.50	3	C	NBC	SA	J	A	CTO	Q			

6A DG Fuel Transfer Pump Discharge Check Valve

System ID: DO -- Diesel Oil

Facility: LaSalle Unit 1
 System ID: CM — Containment Monitoring

Valve Number	P&ID	Coord	Size	Class	Out	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes	
1CM002	156-3	C6	0.75	2	AC	EPC	SA	O	A	AT	RR	RJ-11		9	
										CTC	RR			9	
										PTT	2Y			9	
										Suppression Pool Water Level Instr EPC					
1CM004	92-2	B3	0.75	2	AC	EPC	SA	O	A	AT	RR	RJ-11		9	
										CTC	RR			9	
										PTT	2Y			9	
										Suppression Pool Water Level Instr EPC					
1CM010	156-3	C7	0.75	2	AC	EPC	SA	O	A	AT	RR	RJ-11		9	
										CTC	RR			9	
										PTT	2Y			9	
										Suppression Pool Water Level Instr EPC					
1CM012	92-2	C6	0.75	2	AC	EPC	SA	O	A	AT	RR	RJ-11		9	
										CTC	RR			9	
										PTT	2Y			9	
										Suppression Pool Water Level Instr EPC					
1CM017A	156-1	F7	0.50	2	A	OB	SO	O	A	AT	RR		TP-04	4,6	
										BTC	Q			TP-01	4,6
										FST	Q				4,6
										PTT	2Y				4,6
										DW to Cont Humidity Monitor Sample Pump A Iso Vlv					
1CM017B	156-2	F7	0.50	2	A	GB	SO	O	A	AT	RR		TP-04		4
										BTC	Q			TP-01	4
										FST	Q				4
										PTT	2Y				4
										DW to Cont Humidity Monitor Sample Pump B Iso Vlv					
1CM018A	156-1	E7	0.50	2	A	GB	SO	O	A	AT	RR		TP-04		4,6
										BTC	Q			TP-01	4,6
										FST	Q				4,6
										PTT	2Y				4,6
										DW to Cont Humidity Monitor Sample Pump A Iso Vlv					

System ID: CM — Containment Monitoring

Facility: LaSalle Unit 1

System ID: CM — Containment Monitoring

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
1CM018B	156-2	F7	0.50	2	A	GB	SO	O	A	AT	RR		TP-04	4
										BTC	Q		TP-01	4
										FST	Q			4
										PIT	2Y			4
										DW to Cont Humidity Monitor Sample Pump B Iso Vlv				
1CM019A	156-1	B7	0.50	2	A	GB	SO	O	A	AT	RR		TP-04	4
										BTC	Q		TP-01	4
										FST	Q			4
										PIT	2Y			4
										Cont Humidity Monitor Pump A to Supp Pool Iso Vlv				
1CM019B	156-2	B7	0.50	2	A	GB	SO	O	A	AT	RR		TP-04	4
										BTC	Q		TP-01	4
										FST	Q			4
										PIT	2Y			4
										Cont Humidity Monitor Pump B to Supp Pool Iso Vlv				
1CM020A	156-1	B7	0.50	2	A	GB	SO	O	A	AT	RR		TP-04	4,6
										BTC	Q		TP-01	4,6
										FST	Q			4,6
										PIT	2Y			4,6
										Cont Humidity Monitor Pump A to Supp Pool Iso Vlv				
1CM020B	156-2	B7	0.50	2	A	GB	SO	O	A	AT	RR		TP-04	4,6
										BTC	Q		TP-01	4,6
										FST	Q			4,6
										PIT	2Y			4,6
										Cont Humidity Monitor Pump B to Supp Pool Iso Vlv				
1CM021B	156-2	E3	0.50	2	B	GB	SO	C	A	BTO	Q		TP-01	
										FST	Q			
										PIT	2Y			
										DW to Foot LOCA Sample Pump B Iso Vlv				

System ID: CM — Containment Monitoring

Facility: LaSalle Unit 1
 System ID: CM — Containment Monitoring

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Activa/ Passive	Test	Test Sched	RV/RJCS	Tech Pos	Notes
1CM022A	156-1	E3	0.50	2	B	GB	SO	C	A	BTO FST PIT	Q Q 2Y		TP-01	
DW to Post LOCA Sample Pump A Iso Vlv														
1CM023B	156-2	E3	0.50	2	B	GB	SO	C	A	BTO FST PIT	Q Q 2Y		TP-01	
Supp Chamber to Post LOCA Sample Pump B Iso Vlv														
1CM024A	156-1	E3	0.50	2	B	GB	SO	C	A	BTO FST PIT	Q Q 2Y		TP-01	
Supp Chamber to Post LOCA Sample Pump A Iso Vlv														
1CM025A	156-1	A4	0.50	2	B	GB	SO	C	A	BTO FST PIT	Q Q 2Y		TP-01	
Post LOCA Sample Pump A to Supp Chamber Iso Vlv														
1CM026B	156-2	A4	0.50	2	B	GB	SO	C	A	BTO FST PIT	Q Q 2Y		TP-01	
Post LOCA Sample Pump B to Supp Chamber Iso Vlv														
1CM027	156-4	E8	0.50	2	A	GB	SO	O	A	AT BTC FST PIT	RR Q Q 2Y		TP-04 TP-01	4,6 4,6 4,6 4,6
Supp Chamber to CAM Sample Pump Iso Vlv														
1CM028	156-4	E8	0.50	2	A	GB	SO	O	A	AT BTC FST PIT	RR Q Q 2Y		TP-04 TP-01	4 4 4 4
Supp Chamber to CAM Sample Pump Iso Vlv														

System ID: CM — Containment Monitoring

Facility: LaSalle Unit 1
 System ID: CM — Containment Monitoring

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Fee	Notes
1CM029	156-4	F8	0.50	2	A	GB	SO	O	A	AT BTC FST FIT	RR Q Q 2Y		TP-04 TP-01	4,6 4,6 4,6 4,6
DW to CAM Sample Pump Iso Vlv														
1CM030	156-4	E8	0.50	2	A	GB	SO	O	A	AT BTC FST FIT	RR Q Q 2Y		TP-04 TP-01	4 4 4 4
DW to CAM Sample Pump Iso Vlv														
1CM031	156-4	C6	1.50	2	A	GB	SO	O	A	AT BTC FST FIT	RR Q Q 2Y		TP-04 TP-01	4,6 4,6 4,6 4,6
DW to CAM Sample Pump Iso Vlv														
1CM032	156-4	C6	1.50	2	A	GB	SO	O	A	AT BTC FST FIT	RR Q Q 2Y		TP-04 TP-01	4 4 4 4
DW to CAM Sample Pump Iso Vlv														
1CM033	156-4	B7	1.50	2	A	GB	SO	O	A	AT BTC FST FIT	RR Q Q 2Y		TP-04 TP-01	4 4 4 4
CAM Sample Pump to Supp Chamber Iso Vlv														
1CM034	156-4	B7	1.50	2	A	GB	SO	O	A	AT BTC FST FIT	RR Q Q 2Y		TP-04 TP-01	4,6 4,6 4,6 4,6
CAM Sample Pump to Supp Chamber Iso Vlv														

System ID: CM — Containment Monitoring

Facility: LaSalle Unit 1
 System ID: CM -- Containment Monitoring

Valve Number	P&ID	Coord	Size	Class	Out	Valve Type	Act Type	Normal Pos	Active/Passive	Test	Test Sched	RV/RJCS	Tech Pos	Notes
1CM102	156-3	E5	0.75	2	AC	EPC	BA	O	A	AT CTC FIT	RR RR 2Y	RJ-11		9 9 9

Suppression Pool Water Level Instr EPC

Facility: LaSalle Unit 1
 System ID: DG — Diesel Generator

Valve Number	P&ID	Coord	Size	Class	Cut	Valve Type	Act Type	Normal Pos	Active/Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
1DG002	87-1	D6	10.00	3	C	NSC	SA	C	A	CTC CTO	SAM Q	RV-1/RJ-15		
DG Cooling Water Pump Discharge Check Valve														
1DG011	87-1	D5	4.00	3	B	GT	MO	C	A	E	Q			
DG Cooling Water Strainer Backwash Valve														
1DG034	87-1	D4	.75x1.0	3	C	RV	SA	C	P	RT	10Y			2
DG 1A Cooler Relief Valve														
1DG035	87-2	E4	1.50	3	B	GB	MO	O	A	BTO PIT	Q 2Y		TP-01	
LPCS Pump Cooler Inlet Valve														
1DG049A	83-1	B6	1.00	3	C	CV	SA	O/C	A	CTC CTO	Q Q			
Air Start Compressor Discharge Check Valve														
1DG049B	83-1	C6	1.00	3	C	CV	SA	O/C	A	CTC CTO	Q Q			
Air Start Compressor Discharge Check Valve														
1DG055A	83-1	B6	0.38	3	C	RV	SA	C	P	RT	10Y			
1A DG Air Receiver Relief Valve														
1DG055B	83-1	C6	0.38	3	C	RV	SA	C	P	RT	10Y			
1A DG Air Receiver Relief Valve														
1DG061A	83-1	B3	2.00	N	B	GT	AO	C	A	BTO FST	Q Q	RV-06 RV-06	TP-05	
Diesel Generator 1A Starting Air Relay Valve														
1DG061B	83-1	C3	2.00	N	B	GT	AO	C	A	BTO FST	Q Q	RV-06 RV-06	TP-05	
Diesel Generator 1A Starting Air Relay Valve														

System ID: DG — Diesel Generator

Facility: LaSalle Unit 1
 System ID: DG — Diesel Generator

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
1DG062A	83-1	B4	2.00	N	B	CNV	SO	C	A	BTO FST	Q Q	RV-06 RV-06	TP-05	
Diesel Generator 1A Starting Air Control Valve														
1DG062B	83-1	C4	2.00	N	B	CNV	SO	C	A	BTO FST	Q Q	RV-06 RV-06	TP-05	
Diesel Generator 1A Starting Air Control Valve														
1DG064A	83-1	B3	2.00	N	C	CV	SA	C	A	CTC	Q	RV-06	TP-05	
Diesel Generator 1A Starting Air Check Valve														
1DG064B	83-1	C3	2.00	N	C	CV	SA	C	A	CTC	Q	RV-06	TP-05	
Diesel Generator 1A Starting Air Check Valve														
1DG083A	83-4	E6	1.00	3	C	CV	SA	C	A	CTC	Q		TP-05	
HPCS Diesel Generator DC Soak Back Pump Disch Chk														
1DG083B	83-4	E5	1.00	3	C	CV	SA	C	A	CTC	Q		TP-05	
HPCS Diesel Generator AC Soak Back Pump Disch Chk														
1DG087A	83-4	B6	1.00	3	C	CV	SA	C	A	CTC	Q		TP-05	
Diesel Generator DC Soak Back Pump Disch Chk														
1DG087B	83-4	B6	1.00	3	C	CV	SA	C	A	CTC	Q		TP-05	
Diesel Generator AC Soak Back Pump Disch Chk														
1DG091	83-4	E3	0.50	3	C	CV	SA	C	A	CTC	Q		TP-05	
HPCS Diesel Generator Lube Oil Cooler Check Valve														
1DG092	83-4	E3	0.50	3	C	CV	SA	C	A	CTC	Q		TP-05	
Diesel Generator Lube Oil Cooler Check Valve														
1DGABC	83-4	F8	1.00	N	C	CV	SA	C	A	CTO	Q		TP-05	14
HPCS Diesel Generator Turbocharger Check Valve														
1DGXYZ	83-4	C8	1.00	N	C	CV	SA	C	A	CTO	Q		TP-05	14
Diesel Generator Turbocharger Check Valve														

System ID: DG — Diesel Generator

Facility: LaSalle Unit 1
 System ID: DG — Diesel Generator

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
1E22-369A	83-1	E6	0.38	3	C	RV	SA	C	P	RT	10Y			
HPCS DG Air Receiver Relief Valve														
1E22-369B	83-1	F6	0.38	3	C	RV	SA	C	P	RT	10Y			
HPCS DG Air Receiver Relief Valve														
1E22-370A	83-1	D6	0.38	3	C	RV	SA	C	P	RT	10Y			
HPCS DG Air Receiver Relief Valve														
1E22-370B	83-1	E6	0.38	3	C	RV	SA	C	P	RT	10Y			
HPCS DG Air Receiver Relief Valve														
1E22-F362A	83-1	E6	1.00	3	C	CV	SA	O/C	A	CTC CTO	Q Q			
Air Start Compressor Discharge Check Valve														
1E22-F362B	83-1	F6	1.00	3	C	CV	SA	O/C	A	CTC CTO	Q Q			
Air Start Compressor Discharge Check Valve														
1E22-F381A	83-1	E3	2.00	N	B	GT	AO	C	A	BTO FST	Q Q	RV-06 RV-06	TP-05 TP-05	
HPCS Diesel Generator Starting Air Relay Valve														
1E22-F381B	83-1	F3	2.00	N	B	GT	AO	C	A	BTO FST	Q Q	RV-06 RV-06	TP-05 TP-05	
HPCS Diesel Generator Starting Air Relay Valve														
1E22-F382A	83-1	D4	2.00	N	B	CNV	SO	C	A	BTO FST	Q Q	RV-06 RV-06	TP-05 TP-05	
HPCS Diesel Generator Starting Air Control Valve														
1E22-F382B	83-1	E4	2.00	N	B	CNV	SO	C	A	BTO FST	Q Q	RV-06 RV-06	TP-05	
HPCS Diesel Generator Starting Air Control Valve														
1E22-F383A	83-1	E3	2.00	N	C	CV	SA	C	A	CTC	Q	RV-06	TP-05	
HPCS Diesel Generator Starting Air Check Valve														

System ID: DG — Diesel Generator

Facility: LaSalle Unit 1
 System ID: DG — Diesel Generator

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/Passive	Test	Test Sched	RV/RJCS	Tech Pos	Notes
1E22-F383B	83-1	F3	2.00	N	C	CV	SA	C	A	CTC	Q	RV-06	TP-03	

.....
 HPCS Diesel Generator Starting Air Check Valve

Facility: LaSalle Unit 1
 System ID: DO — Diesel Oil

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/Passive	Test	Test Sched	RV/RL/CS	Tech Fee	Notes
1DO-002	85-1 1A DG Fuel Transfer Pump Discharge Check Valve	D6	1.50	3	C	NSC	SA	C	A	CTO	Q			
1DO-012	85-1 1B DG Fuel Transfer Pump Discharge Check Valve	D1	1.50	3	C	NSC	SA	C	A	CTO	Q			

System ID: DO — Diesel Oil

Facility: LaSalle Unit 1
 System ID: FC — Fuel Pool Cooling

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
1FC044A	87-2	E6	6.00	3	C	NSC	8A	C	A	CTC CTO	8AM Q	RV-1/RJ-15		
Fuel Pool Emergency Makeup Pump 1A Disch Check														
1FC044B	87-1	C6	6.00	3	C	NSC	8A	C	A	CTC CTO	8AM Q	RV-1/RJ-15		
Fuel Pool Emergency Makeup Pump 1B Disch Check														
1FC045A	87-2	E6	6.00	3	B	GT	M	C	A	E	Q			
FP Emergency Makeup Pump Manual Discharge Stop														
1FC045B	87-1	C6	6.00	3	B	GT	M	C	A	E	Q			
FP Emergency Makeup Pump Manual Discharge Stop														
1FC050A	98-1	E5	6.00	3	B	GB	M	C	A	E	Q			
FC Emergency Makeup Pump Disch to Fuel Pool Stop														
1FC050B	98-1	E1	6.00	3	B	GB	M	C	A	E	Q			
FC Emergency Makeup Pump Disch to Fuel Pool Stop														
1FC086	98-1	C7	10.00	2	A	GT	M	C	P	AT	RR		TP-04	4
RX Well Bulkhead Drain Isolation Valve														
1FC113	98-1	D7	2.00	2	A	GB	M	C	P	AT	RR		TP-04	4,6
Clean Condensate to Refueling Bellows Iso Vlv														
1FC114	98-1	D7	2.00	2	A	GB	M	C	P	AT	RR		TP-04	4,6
Clean Condensate to Refueling Bellows Iso Vlv														
1FC115	98-1	C7	10.00	2	A	GT	M	C	P	AT	RR		TP-04	4,6
RX Well Bulkhead Drain Isolation Valve														

System ID: FC — Fuel Pool Cooling

Facility: LaSalle Unit 1
 System ID: FW -- Feedwater

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Fee	Notes
1B21-F010A	57	A7	24.00	1	AC	NSC	SA	O	A	AT CTC	RR RR	RJ-01	TP-04	1,4 1,4
RX Feedwater Inboard Check														
1B21-F010B	57	C7	24.00	1	AC	NSC	SA	O	A	AT CTC	RR RR	RJ-01	TP-04	1,4 1,4
RX Feedwater Inboard Check														
1B21-F031A	57	A6	24.00	1	AC	NSC	AO	O	A	AT CTC FIT	RR RR 2Y	RJ-01 RJ-01	TP-04	1,4 1,4 1,4
RX Feedwater Outboard Testable Check														
1B21-F032B	57	C6	24.00	1	AC	NSC	AO	O	A	AT CTC FIT	RR RR 2Y	RJ-01 RJ-01	TP-04	1,4 1,4 1,4
RX Feedwater Outboard Testable Check														
1B21-F065A	57	A5	24.00	2	A	GT	MO	O	A	AT BTC FIT	RR CS 2Y	CS-04	TP-04 TP-01	1,4 1,4 1,4
RX Feedwater Isolation Valve														
1B21-F065B	57	C5	24.00	2	A	GT	MO	O	A	AT BTC FIT	RR CS 2Y	CS-04	TP-04 TP-01	1,4 1,4 1,4
RX Feedwater Isolation Valve														

System ID: FW -- Feedwater

Facility: LaSalle Unit 1
 System ID: HG --- Combustible Gas Control

Valve Number	P&ID	Coord	Size	Class	Cut	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
1HG001A	130-1	F7	4.00	2	A	GT	MO	C	A	AT BTO PIT	RR Q 2Y		TP-04 TP-01	4,6 4,6 4,6
Unit 1 DW to Unit 1 Recombiner Isolation Valve														
1HG001B	130-1	E7	4.00	2	A	GT	MO	C	A	AT BTO PIT	RR Q 2Y		TP-04 TP-01	4,6 4,6 4,6
Unit 1 DW to Unit 2 Recombiner Isolation Valve														
1HG002A	130-1	F7	4.00	2	A	GB	MO	C	A	AT BTO PIT	RR Q 2Y		TP-04 TP-01	4 4 4
Unit 1 DW to Unit 1 Recombiner Isolation Valve														
1HG002B	130-1	E7	4.00	2	A	GB	MO	C	A	AT BTO PIT	RR Q 2Y		TP-04 TP-01	4 4 4
Unit 1 DW to Unit 2 Recombiner Isolation Valve														
1HG003	130-1	C6	6.00	2	B	GT	MO	O	A	BTO PIT	Q 2Y		TP-01	
Unit 1 Recombiner Crosstie Isolation Valve														
1HG005A	130-1	B7	6.00	2	A	GT	MO	C	A	AT BTO PIT	RR Q 2Y		TP-04 TP-01	4,6 4,6 4,6
Unit 1 Recombiner to Unit 1 Supp Pool Iso Valve														
1HG005B	130-1	A7	6.00	2	A	GT	MO	C	A	AT BTO PIT	RR Q 2Y		TP-04 TP-01	4,6 4,6 4,6
Unit 2 Recombiner to Unit 1 Supp Pool Iso Valve														
1HG006A	130-1	B6	6.00	2	A	GT	MO	C	A	AT BTO PIT	RR Q 2Y		TP-04 TP-01	4 4 4
Unit 1 Recombiner to Unit 1 Supp Pool Iso Valve														

System ID: HG --- Combustible Gas Control

Facility: LaSalle Unit 1

System ID: HG --- Combustible Gas Control

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
1HG006B	130-1	A6	6.00	2	A	GT	MO	C	A	AT BTO PIT	RR Q 2Y		TP-04 TP-01	4 4 4
Unit 2 Recombiner to Unit 1 Supp Pool Iso Valve														
1HG007	130-2	F6	4.00	2	C	CV	SA	C	A	CTO	Q			
Unit 1 DW to Unit 2 Recombiner Check Valve														
1HG009	130-1	C6	6.00	2	B	GT	MO	C	A	BTO PIT	Q 2Y		TP-01	
Unit 1 Recombiner to Unit 2 Supp Pool Iso Valve														
1HG016	130-1	F6	4.00	2	C	CV	SA	C	A	CTO	Q			
Unit 1 DW to Unit 1 Recombiner Check Valve														
1HG017A	130-1	F3	1.50	2	C	CV	SA	C	A	CTO	18Mo	RV-04		
Unit 1 RHR to Unit 1 Recmbr Spray Cooler CK Valve														
1HG017B	130-1	E3	1.50	2	C	CV	SA	C	A	CTO	18Mo	RV-04		
Unit 2 RHR to Unit 1 Recmbr Spray Cooler CK Valve														
1HG018	130-1	E4	1.50	2	B	GB	MO	C	A	BTO PIT	Q 2Y		TP-01	
Unit 2 RHR to Unit 1 Recmbr Spray Cooler Iso Valve														

System ID: HG --- Combustible Gas Control

Facility: LaSalle Unit 1
 System ID: HP — High Pressure Core Spray

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
1E22-F004	95	D6	12.00	1	A	GT	MO	C	A	AT AT1 BTC BTO PIT	RR RR CS CS 2Y	CS-09 CS-09	TP-04 TP-04 TP-01 TP-01	4,5 4,5 4,5 4,5 4,5
HPCS Injection Line Isolation Valve														
1E22-F005	95	D7	12.00	1	AC	NSC	AO	C	A	AT1 CTC CTO PIT PS	RR RR RR 2Y CS	RJ-12 RJ-12	TP-04	5,7 5,7 5,7 5,7 5,7
HPCS Injection Line Testable Check														
1E22-F007	95	D4	0.75	2	C	NSC	SA	O/C	A	CTC CTO	Q Q		TP-02 TP-02	15 15
HPCS Water Leg Pump Discharge Check														
1E22-F012	95	C3	4.00	2	A	GT	MO	C	A	AT BTC BTO PIT	RR Q Q 2Y	RV-09	TP-04 TP-01 TP-01	4,6,8 4,6,8 4,6,8 4,6,8
HPCS Pump Minimum Flow Bypass Line Iso Vlv														
1E22-F014	95	B5	1x2	2	AC	RV	3A	C	P	AT RT	RR 10Y		TP-04	2,4,6,8 2,4,6,8
HPCS Water Leg Relief Valve														
1E22-F015	95	B6	18.00	2	A	GT	MO	O	A	AT BTC PIT	RR Q 2Y		TP-04 TP-01	4,6,11 4,6,11 4,6,11
HPCS Pump Suction from Suppression Pool Iso Vlv														
1E22-F016	95	B5	24.00	2	C	CV	SA	C	A	CTO	Q			1,6
HPCS Pump Suction from Suppression Pool Check														

System ID: HP — High Pressure Core Spray

Facility: LaSalle Unit 1
 System ID: HP — High Pressure Core Spray

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
1E22-F023	95	C5	12.00	2	A	GB	MO	C	A	AT BTC PIT PS	RR CS 2Y Q	CS-11	TP-04 TP-01	4,8 4,8 4,8 4,8
HPCS Full Flow Test to Suppression Pool Iso Vlv														
1E22-F024	95	C3	16.00	2	C	NSC	SA	C	A	CTC CTO	Q Q			15 15
HPCS Pump Discharge Check														
1E22-F028	87-1	B6	10.90	3	C	NSC	SA	C	A	CTC CTO	SAM Q	RV-1/RJ-15		△
HPCS DG Cooling Water Pump Discharge Check														
1E22-F038	M-95	D7	12.00	1	B	GT	M	LO	P	PIT	2Y			△
HPCS Injection Manual Stop														
1E22-F304	2095-1	--	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
HPCS/RX Vessel Diff Press Instr EFC														
1E22-F319	87-1	B6	4.00	3	B	MFC	M	C	A	E	Q			△
HPCS DG Cooling Water Strainer Backwash Valve														
1E22-F341	2095-1	--	0.75	2	AC	EFC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		9 9 9
Supp Pool High Water Level Instr EFC														
1E22-F342	2095-1	--	0.75	2	AC	EFC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		9 9 9
Supp Pool High Water Level Instr EFC														
1E22-F345	87-1	B4	.75x1.0	3	C	RV	SA	C	P	RT	10Y			2
HPCS DG Cooler Relief Valve														

System ID: HP — High Pressure Core Spray

Facility: LaSalle Unit 1
 System ID: IA — Instrument Air

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
1B21-F029A	81-2 IA Supply to MSIV Accumulator CK	F5	0.75	3	C	NSC	SA	O/C	A	CTC	RR	RJ-06		1,15
1B21-F029B	81-2 IA Supply to MSIV Accumulator CK	F5	0.75	3	C	NSC	SA	O/C	A	CTC	RR	RJ-06		1,15
1B21-F029C	81-2 IA Supply to MSIV Accumulator CK	F5	0.75	3	C	NSC	SA	O/C	A	CTC	RR	RJ-06		1,15
1B21-F029D	81-2 IA Supply to MSIV Accumulator CK	F5	0.75	3	C	NSC	SA	O/C	A	CTC	RR	RJ-06		1,15
1B21-F529A	81-2 IA Supply to Feedwater Testable CK Accumulator CK	F5	0.75	3	C	NSC	SA	O/C	A	CTC	RR	RJ-07		1,15
1B21-F529B	81-2 IA Supply to Feedwater Testable CK Accumulator CK	F5	0.75	3	C	NSC	SA	O/C	A	CTC	RR	RJ-07		1,15

System ID: IA — Instrument Air

Facility: LaSalle Unit 1
 System ID: IN --- Drywell Instrument Nitrogen

Valve Number	P&ID	Coord	Size	Class	Out	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CB	Tech Pos	Notes
1B21-F024A	66-2	F6	0.75	3	C	NSC	SA	O/C	A	CTC	RR	RJ-06		1,15
	Inbrd MSIV N2 Accumulator Supply Check													
1B21-F024B	66-2	F7	0.75	3	C	NSC	SA	O/C	A	CTC	RR	RJ-06		1,15
	Inbrd MSIV N2 Accumulator Supply Check													
1B21-F024C	66-2	F4	0.75	3	C	NSC	SA	O/C	A	CTC	RR	RJ-06		1,15
	Inbrd MSIV N2 Accumulator Supply Check													
1B21-F024D	66-2	F5	0.75	3	C	NSC	SA	O/C	A	CTC	RR	RJ-06		1,15
	Inbrd MSIV N2 Accumulator Supply Check													
1B21-F040C	66-2	B2	0.50	3	C	NSC	SA	O/C	A	CTC	RR	RJ-06		1,15
	ADS N2 Supply Check													
1B21-F040D	66-2	B4	0.50	3	C	NSC	SA	O/C	A	CTC	RR	RJ-06		1,15
	ADS N2 Supply Check													
1B21-F040E	66-2	B7	0.50	3	C	NSC	SA	O/C	A	CTC	RR	RJ-06		1,15
	ADS N2 Supply Check													
1B21-F040R	66-2	B8	0.50	3	C	NSC	SA	O/C	A	CTC	RR	RJ-06		1,15
	ADS N2 Supply Check													
1B21-F040S	66-2	B6	0.50	3	C	NSC	SA	O/C	A	CTC	RR	RJ-06		1,15
	ADS N2 Supply Check													
1B21-F040U	66-2	B3	0.50	3	C	NSC	SA	O/C	A	CTC	RR	RJ-06		1,15
	ADS N2 Supply Check													
1B21-F040V	66-2	B4	0.50	3	C	NSC	SA	O/C	A	CTC	RR	RJ-06		1,15
	ADS N2 Supply Check													
1IN001A	66-1	F6	2.00	2	A	GB	AO	O	A	AT BTC FST PIT	RR RR RR 2Y	RJ-03 RJ-03	TP-04 TP-01	1,4,6 1,4,6 1,4,6 1,4,6
	DW Section Iso Vlv													

System ID: IN --- Drywell Instrument Nitrogen

Facility: LaSalle Unit 1
 System ID: IN — Drywell Instrument Nitrogen

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
11N001B	66-1	F7	2.00	2	A	GB	AO	O	A	AT BTC PST PTT	RR RR RR 2Y	RJ-03 RJ-03	TP-04 TP-01	1,4 1,4 1,4 1,4
DW Section Iso Vlv														
11N017	66-1	B3	1.50	2	A	GB	AO	O	A	AT BTC PST PTT	RR RR RR 2Y	RJ-03 RJ-03	TP-04 TP-01	1,4 1,4 1,4 1,4
DW N2 Purge Iso Vlv														
11N018	66-1	B3	2.00	2	AC	NBC	SA	O/C	A	AT CTC	RR RR	RJ-03	TP-04	1,4 1,4
DW N2 to DW Check														
11N031	66-1	B5	0.75	2	A	GB	SO	O	A	AT BTC PST PTT	RR RR RR 2Y	RJ-03 RJ-03	TP-04 TP-01	1,4,6 1,4,6 1,4,6 1,4,6
TIP Indexer N2 Purge Iso Vlv														
11N043	66-7	D5	1.00	3	C	NBC	SA	O/C	A	CTC	RR	RJ-03		15
ADS N2 Supply from Comp Check														
11N044	66-7	D8	1.00	3	C	NBC	SA	O/C	A	CTC	RR	RJ-03		15
ADS N2 Supply from Comp Check														
11N045	66-7	E7	1x2	3	C	RV	SA	C	P	RT	10Y			
ADS N2 Header Relief Valve														
11N046	66-7	E6	1x2	3	C	RV	SA	C	P	RT	10Y			
ADS N2 Header Relief Valve														

System ID: IN — Drywell Instrument Nitrogen

Facility: LaSalle Unit 1
 System ID: IN -- Drywell Instrument Nitrogen

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CB	Tech Pos	Notes
11N074	66-1	E3	1.50	2	A	GB	AO	O	A	AT	RR		TP-04	1,4,6
										BTC	RR	RJ-03	TP-01	1,4,6
										FST	RR	RJ-03		1,4,6
										PIT	2Y			1,4,6
DW N2 Purge Containment Iso Vlv														
11N075	66-1	E3	1.50	2	A	GB	AO	O	A	AT	RR		TP-04	1,4
										BTC	RR	RJ-03	TP-01	1,4
										FST	RR	RJ-03		1,4
										PIT	2Y			1,4
DW N2 Purge Containment Iso Vlv														
11N100	66-7	C7	1.00	2	B	GB	SO	O	A	BTC	RR	RJ-03	TP-01	1
										FST	RR	RJ-03		1
										PIT	2Y			1
ADS N2 Supply to DW Iso Vlv														
11N101	66-7	C6	1.00	2	B	GB	SO	O	A	BTC	RR	RJ-03	TP-01	1
										FST	RR	RJ-03		1
										PIT	2Y			1
ADS N2 Supply to DW Iso Vlv														

System ID: IN -- Drywell Instrument Nitrogen

Facility: LaSalle Unit 1
 System ID: LP — Low Pressure Core Spray

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
1E21-F001	94	B6	24.00	2	A	GT	MO	O	A	AT BTC PIT	RR Q 2Y		TP-04 TP-01	4,6,11 4,6,11 4,6,11
LPCS Suppression Pool Section Isolation														
1E21-F003	94	C2	16.00	2	C	NSC	SA	C	A	CTC CTO	Q Q			15 15
LPCS Pump Discharge Check														
1E21-F005	94	D6	12.00	1	A	GT	MO	C	A	AT AT1 BTC BTO PIT	RR RR CS CS 2Y	CS-02 CS-02	TP-04 TP-04 TP-01 TP-01	1,4,5 1,4,5 1,4,5 1,4,5 1,4,5
LPCS Injection Line Outboard Isolation														
1E21-F006	94	C6	12.00	1	AC	NSC	AO	C	A	AT1 CTC CTO PIT PS	RR RR RR 2Y CS	RJ-12 RJ-12	TP-04	1,5,7 1,5,7 1,5,7 1,5,7 1,5,7
LPCS Injection Line Inboard Check														
1E21-F011	94	C3	4.00	2	A	GT	MO	O	A	AT BTC BTO PIT	RR Q Q 2Y		TP-04 TP-01 TP-01	4,6,8 4,6,8 4,6,8 4,6,8
LPCS Min Flow Bypass Isolation														
1E21-F012	94	C5	14.00	2	A	GB	MO	C	A	AT BTC PIT PS	RR CS 2Y Q	CS-11	TP-04 TP-01	4 4 4 4
LPCS Full Flow Test Valve														
1E21-F018	94	D5	3x4	2	AC	RV	SA	C	P	AT RT	RR 10Y		TP-04	2,4,6,8 2,4,6,8
LPCS Pump Discharge Relief Valve														

Facility: LaSalle Unit 1
 System ID: LP — Low Pressure Core Spray

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
1E21-F031	94	B4	1x2	2	AC	RV	SA	C	P	AT RT	RR 10Y		TP-04	2,4,6,8 2,4,6,8
LPCS Water Leg Pump Relief Valve														
1E21-F033	94	C3	0.75	2	C	N8C	SA	O/C	A	CTC CTO	Q Q		TP-02 TP-02	15 15
LPCS Water Leg Pump Discharge Check														
1E21-F051	M-94	D7	12.00	1	B	GT	M	LO	P	PIT	2Y			
LPCS Injection Manual Stop														
1E21-F304	2094-1	--	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
LPCS - RHR Differential Pressure EPC														



System ID: LP — Low Pressure Core Spray

Facility: LaSalle Unit 1

System ID: MC — Clean Condensate Storage

Valve Number	P&ID	Coord	Stae	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/BJ/CE	Tock Pos	Notes
1MC027	75-2	B6	3.00	2	A	GT	M	LC	P	AT	RR		TP-04	13
Clean Condensate Storage Supply to DW Iso Vlv														
1MC033	75-2	B6	3.00	2	A	GT	M	LC	P	AT	RR		TP-04	13
Clean Condensate Storage Supply to DW Iso Vlv														

System ID: MC — Clean Condensate Storage

Facility: LaSalle Unit 1
 System ID: MS — Main Steam

Valve Number	PAID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
1B21-P013A	55-1	D3	8x10	1	C	SRV	AO	C	P	RT	5Y			2
Main Steam Line D Safety Relief Valve														
1B21-P013B	55-1	C3	8x10	1	C	SRV	AO	C	P	RT	5Y			2
Main Steam Line A Safety Relief Valve														
1B21-P013C	55-1	E2	8x10	1	C	SRV	AO	C	A	E RT	RR 5Y			2 2
Main Steam Line C Safety Relief Valve														
1B21-P013D	55-1	B2	8x10	1	C	SRV	AO	C	A	E RT	RR 5Y			2 2
Main Steam Line B Safety Relief Valve														
1B21-P013E	55-1	E3	8x10	1	C	SRV	AO	C	A	E RT	RR 5Y			2 2
Main Steam Line C Safety Relief Valve														
1B21-P013F	55-1	B3	8x10	1	C	SRV	AO	C	P	RT	5Y			2
Main Steam Line B Safety Relief Valve														
1B21-P013G	55-1	D6	8x10	1	C	SRV	AO	C	P	RT	5Y			2
Main Steam Line D Safety Relief Valve														
1B21-P013H	55-1	D4	8x10	1	C	SRV	AO	C	P	RT	5Y			2
Main Steam Line D Safety Relief Valve														
1B21-P013J	55-1	C4	8x10	1	C	SRV	AO	C	P	RT	5Y			2
Main Steam Line A Safety Relief Valve														
1B21-P013K	55-1	B4	8x10	1	C	SRV	AO	C	P	RT	5Y			2
Main Steam Line B Safety Relief Valve														
1B21-P013L	55-1	E6	8x10	1	C	SRV	AO	C	P	RT	5Y			2
Main Steam Line C Safety Relief Valve														
1B21-P013M	55-1	B7	8x10	1	C	SRV	AO	C	P	RT	5Y			2
Main Steam Line B Safety Relief Valve														

System ID: MS — Main Steam

Facility: LaSalle Unit 1
 System ID: MS — Main Steam

Valve Number	P&ID	Coord	Size	Class	Cnt	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJCS	Yech Pos	Notes
1B21-F013N	55-1	E7	8x10	1	C	SRV	AO	C	P	RT	5Y			2
Main Steam Line C Safety Relief Valve														
1B21-F013P	55-1	C6	8x10	1	C	SRV	AO	C	P	RT	5Y			2
Main Steam Line A Safety Relief Valve														
1B21-F013R	55-1	E5	8x10	1	C	SRV	AO	C	A	E RT	RR 5Y			2 2
Main Steam Line C Safety Relief Valve														
1B21-F013S	55-1	B6	8x10	1	C	SRV	AO	C	A	E RT	RR 5Y			2 2
Main Steam Line B Safety Relief Valve														
1B21-F013U	55-1	D7	8x10	1	C	SRV	AO	C	A	E RT	RR 5Y			2 2
Main Steam Line D Safety Relief Valve														
1B21-F013V	55-1	C7	8x10	1	C	SRV	AO	C	A	E RT	RR 5Y			2 2
Main Steam Line A Safety Relief Valve														
1B21-F016	55-7	B7	3.00	1	A	GT	MO	O	A	AT BTC PIT	RR Q 2Y		TP-04 TP-01	4,6 4,6 4,6
Main Steam Inboard Drain Line Isolation Valve														
1B21-F019	55-7	B6	3.00	1	A	GT	MO	O	A	AT BTC PIT	RR Q 2Y		TP-04 TP-01	4,6 4,6 4,6
Main Steam Outboard Drain Line Isolation Valve														
1B21-F022A	55-2	C6	26.00	1	A	GB	AO	O	A	AT BTC FST PIT PS	RR CS RR 2Y Q	CS-08 RJ-09	TP-04 TP-01	1,4,6,12 1,4,6,12 1,4,6,12 1,4,6,12 1,4,6,12
Main Steam Line A Inboard Isolation Valve (MSIV)														

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Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
1B21-F022B	55-2	B6	26.00	1	A	GB	AO	O	A	AT	RR	CS-08 RJ-09	TP-04 TP-01	1,4,6,12 1,4,6,12 1,4,6,12 1,4,6,12 1,4,6,12
										BTC	CS			
										FST	RR			
										PIT	2Y			
										PS	Q			
Main Steam Line B Inboard Isolation Valve (MSIV)														
1B21-F022C	55-2	F6	26.00	1	A	GB	AO	O	A	AT	RR	CS-08 RJ-09	TP-04 TP-01	1,4,6,12 1,4,6,12 1,4,6,12 1,4,6,12 1,4,6,12
										BTC	CS			
										FST	RR			
										PIT	2Y			
										PS	Q			
Main Steam Line C Inboard Isolation Valve (MSIV)														
1B21-F022D	55-2	D6	26.00	1	A	GB	AO	O	A	AT	RR	CS-08 RJ-09	TP-04 TP-01	1,4,6,12 1,4,6,12 1,4,6,12 1,4,6,12 1,4,6,12
										BTC	CS			
										FST	RR			
										PIT	2Y			
										PS	Q			
Main Steam Line D Inboard Isolation Valve (MSIV)														
1B21-F028A	55-2	C4	26.00	1	A	GB	AO	O	A	AT	RR	CS-08 CS-08	TP-04 TP-01	1,4,12 1,4,12 1,4,12 1,4,12 1,4,12
										BTC	CS			
										FST	CS			
										PIT	2Y			
										PS	Q			
Main Steam Line A Outboard Isolation Valve (MSIV)														
1B21-F028B	55-2	B4	26.00	1	A	GB	AO	O	A	AT	RR	CS-08 CS-08	TP-04 TP-01	1,4,12 1,4,12 1,4,12 1,4,12 1,4,12
										BTC	CS			
										FST	CS			
										PIT	2Y			
										PS	Q			
Main Steam Line B Outboard Isolation Valve (MSIV)														

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Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
1B21-F028C	55-2	F4	26.00	1	A	GB	AO	O	A	AT BTC FST PIT PS	RR CS CS 2Y Q	CS-08 CS-08	TP-04 TP-01	1,4,12 1,4,12 1,4,12 1,4,12 1,4,12
Main Steam Line C Outboard Isolation Valve (MSIV)														
1B21-F028D	55-2	D4	26.00	1	A	GB	AO	O	A	AT BTC FST PIT PS	RR CS CS 2Y Q	CS-08 CS-08	TP-04 TP-01	1,4,12 1,4,12 1,4,12 1,4,12 1,4,12
Main Steam Line D Outboard Isolation Valve (MSIV)														
1B21-F037A1	92-1	C4	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02		
Safety Relief Valve Discharge Line Vacuum Breaker														
1B21-F037A2	92-1	C4	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02		
Safety Relief Valve Discharge Line Vacuum Breaker														
1B21-F037B1	92-1	C4	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02		
Safety Relief Valve Discharge Line Vacuum Breaker														
1B21-F037B2	92-1	C4	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02		
Safety Relief Valve Discharge Line Vacuum Breaker														
1B21-F037C1	92-1	C4	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02		
Safety Relief Valve Discharge Line Vacuum Breaker														
1B21-F037C2	92-1	C4	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02		
Safety Relief Valve Discharge Line Vacuum Breaker														
1B21-F037D1	92-1	C4	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02		
Safety Relief Valve Discharge Line Vacuum Breaker														
1B21-F037D2	92-1	C4	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02		
Safety Relief Valve Discharge Line Vacuum Breaker														

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Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
1B21-F037E1	92-1	C4	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02		Safety Relief Valve Discharge Line Vacuum Breaker
1B21-F037E2	92-1	C4	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02		Safety Relief Valve Discharge Line Vacuum Breaker
1B21-F037F1	92-1	C4	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02		Safety Relief Valve Discharge Line Vacuum Breaker
1B21-F037F2	92-1	C4	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02		Safety Relief Valve Discharge Line Vacuum Breaker
1B21-F037G1	92-1	C4	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02		Safety Relief Valve Discharge Line Vacuum Breaker
1B21-F037G2	92-1	C4	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02		Safety Relief Valve Discharge Line Vacuum Breaker
1B21-F037H1	92-1	C6	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02		Safety Relief Valve Discharge Line Vacuum Breaker
1B21-F037H2	92-1	C6	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02		Safety Relief Valve Discharge Line Vacuum Breaker
1B21-F037J1	92-1	C6	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02		Safety Relief Valve Discharge Line Vacuum Breaker
1B21-F037J2	92-1	C6	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02		Safety Relief Valve Discharge Line Vacuum Breaker
1B21-F037K1	92-1	C5	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02		Safety Relief Valve Discharge Line Vacuum Breaker
1B21-F037K2	92-1	C5	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02		Safety Relief Valve Discharge Line Vacuum Breaker
1B21-F037L1	92-1	C5	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02		Safety Relief Valve Discharge Line Vacuum Breaker

System ID: MS — Main Steam

Facility: LaSalle Unit 1
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Valve Number	PAID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
1B21-F037L2	92-1	C5	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02		Safety Relief Valve Discharge Line Vacuum Breaker
1B21-F037M1	92-1	C6	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02		Safety Relief Valve Discharge Line Vacuum Breaker
1B21-F037M2	92-1	C6	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02		Safety Relief Valve Discharge Line Vacuum Breaker
1B21-F037N1	92-1	C6	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02		Safety Relief Valve Discharge Line Vacuum Breaker
1B21-F037N2	92-1	C6	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02		Safety Relief Valve Discharge Line Vacuum Breaker
1B21-F037P1	92-1	C5	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02		Safety Relief Valve Discharge Line Vacuum Breaker
1B21-F037P2	92-1	C5	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02		Safety Relief Valve Discharge Line Vacuum Breaker
1B21-F037R1	92-1	C5	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02		Safety Relief Valve Discharge Line Vacuum Breaker
1B21-F037R2	92-1	C5	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02		Safety Relief Valve Discharge Line Vacuum Breaker
1B21-F037S1	92-1	C5	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02		Safety Relief Valve Discharge Line Vacuum Breaker
1B21-F037S2	92-1	C5	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02		Safety Relief Valve Discharge Line Vacuum Breaker
1B21-F037U1	92-1	C5	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02		Safety Relief Valve Discharge Line Vacuum Breaker
1B21-F037U2	92-1	C5	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02		Safety Relief Valve Discharge Line Vacuum Breaker

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Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
1B21-F037V1	92-1	C5	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02		
Safety Relief Valve Discharge Line Vacuum Breaker														
1B21-F037V2	92-1	C5	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02		
Safety Relief Valve Discharge Line Vacuum Breaker														
1B21-F067A	55-7	E6	1.50	1	A	GT	MO	C	A	AT BTC PIT	RR Q 2Y		TP-04 TP-01	4,12 4,12 4,12
Main Steam Line A Drain Line Outboard Iso Valve														
1B21-F067B	55-7	E5	1.50	1	A	GT	MO	C	A	AT BTC PIT	RR Q 2Y		TP-04 TP-01	4,12 4,12 4,12
Main Steam Line B Drain Line Outboard Iso Valve														
1B21-F067C	55-7	E7	1.50	1	A	GT	MO	C	A	AT BTC PIT	RR Q 2Y		TP-04 TP-01	4,12 4,12 4,12
Main Steam Line C Drain Line Outboard Iso Valve														
1B21-F067D	55-7	E6	1.50	1	A	GT	MO	C	A	AT BTC PIT	RR Q 2Y		TP-04 TP-01	4,12 4,12 4,12
Main Steam Line D Drain Line Outboard Iso Valve														
1B21-F325A	2055-4	-	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
MSIV Logic Instrument Excess Flow Check Valve														
1B21-F325B	2055-5	-	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
MSIV Logic Instrument Excess Flow Check Valve														

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Valve Number	P&ID	Coord	Size	Class	Out	Valve Type	Act Type	Normal Pos	Activated Positive	Test	Test Sched	R/V/R/J/C/S	Teach Pos	Notes
1B21-F325C	2055-6	-	0.75	2	AC	EFC	SA	O	A	AT CTC FIT	RR RR 2Y	RJ-11		10 10 10
MSIV Logic Instrument Excess Flow Check Valve														
1B21-F325D	2055-7	-	0.75	2	AC	EFC	SA	O	A	AT CTC FIT	RR RR 2Y	RJ-11		0 0 0
MSIV Logic Instrument Excess Flow Check Valve														
1B21-F326A	2055-4	-	0.75	2	AC	EFC	SA	O	A	AT CTC FIT	RR RR 2Y	RJ-11		10 10 10
MSIV Logic Instrument Excess Flow Check Valve														
1B21-F326B	2055-5	-	0.75	2	AC	EFC	SA	O	A	AT CTC FIT	RR RR 2Y	RJ-11		10 10 10
MSIV Logic Instrument Excess Flow Check Valve														
1B21-F326C	2055-6	-	0.75	2	AC	EFC	SA	O	A	AT CTC FIT	RR RR 2Y	RJ-11		10 10 10
MSIV Logic Instrument Excess Flow Check Valve														
1B21-F326D	2055-7	-	0.75	2	AC	EFC	SA	O	A	AT CTC FIT	RR RR 2Y	RJ-11		10 10 10
MSIV Logic Instrument Excess Flow Check Valve														
1B21-F327A	2055-4	-	0.75	2	AC	EFC	SA	O	A	AT CTC FIT	RR RR 2Y	RJ-11		10 10 10
MSIV Logic Instrument Excess Flow Check Valve														

Facility: LaSalle Unit 1
 System ID: MS — Main Steam

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
1B21-F327B	2055-5	--	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
MSIV Logic Instrument Excess Flow Check Valve														
1B21-F327C	2055-6	--	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
MSIV Logic Instrument Excess Flow Check Valve														
1B21-F327D	2055-7	--	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
MSIV Logic Instrument Excess Flow Check Valve														
1B21-F328A	2055-4	--	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
MSIV Logic Instrument Excess Flow Check Valve														
1B21-F328B	2055-5	--	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
MSIV Logic Instrument Excess Flow Check Valve														
1B21-F328C	2055-6	--	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
MSIV Logic Instrument Excess Flow Check Valve														
1B21-F328D	2055-7	--	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
MSIV Logic Instrument Excess Flow Check Valve														

System ID: MS — Main Steam

Facility: LaSalle Unit 1
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Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Fail-safe	Test	Test Sched	RV/RJCS	Tech Pos	Notes
1B21-F413A	2101-1	--	0.75	2	AC	EPC	8A	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
RCIC Main Steam Leak Detection Excess Flow Check														
1B21-F413B	2101-1	--	0.75	2	AC	EPC	8A	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
RCIC Main Steam Leak Detection Excess Flow Check														
1B21-F415A	2101-1	--	0.75	2	AC	EPC	8A	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
RCIC Main Steam Leak Detection Excess Flow Check														
1B21-F415B	2101-1	--	0.75	2	AC	EPC	8A	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
RCIC Main Steam Leak Detection Excess Flow Check														
1E32-F001A	55-8	F3	2.50	1	A	GT	MO	C	A	AT BTC BTO PIT	RR CS CS 2Y	CS-07 CS-07	TP-04 TP-01 TP-01	1,4,12 1,4,12 1,4,12 1,4,12
Main Steam Line A Leakage Control Inbrd Iso Valve														
1E32-F001E	55-8	E3	0.50	1	A	GT	MO	C	A	AT BTC BTO PIT	RR CS CS 2Y	CS-07 CS-07	TP-04 TP-01 TP-01	1,4,12 1,4,12 1,4,12 1,4,12
Main Steam Line B Leakage Control Inbrd Iso Valve														
1E32-F001J	55-8	C3	2.50	1	A	GT	MO	C	A	AT BTC BTO PIT	RR CS CS 2Y	CS-07 CS-07	TP-04 TP-01 TP-01	1,4,12 1,4,12 1,4,12 1,4,12
Main Steam Line C Leakage Control Inbrd Iso Valve														

System ID: MS — Main Steam

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Valve Number	F&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
1E32-P001N	55-8	C3	2.50	1	A	GT	MO	C	A	AT BTC BTO PIT	RR CS CS 2Y	CS-07 CS-07	TP-04 TP-01 TP-01	1,4,12 1,4,12 1,4,12 1,4,12
Main Steam Line D Leakage Control Inbrl Iso Valve														
1E32-P002A	55-8	F3	2.50	2	B	GT	MO	C	A	BTO PIT	CS 2Y	CS-07	TP-01	1 1
Main Steam Line A Leakage Control System Iso Valve														
1E32-P002E	55-8	E3	2.50	2	B	GT	MO	C	A	BTO PIT	CS 2Y	CS-07	TP-01	1 1
Main Steam Line B Leakage Control System Iso Valve														
1E32-P002J	55-8	D3	2.50	2	B	GT	MO	C	A	BTO PIT	CS 2Y	CS-07	TP-01	1 1
Main Steam Line C Leakage Control System Iso Valve														
1E32-P002N	55-8	C3	2.50	2	B	GT	MO	C	A	BTO PIT	CS 2Y	CS-07	TP-01	1 1
Main Steam Line D Leakage Control System Iso Valve														
1E32-P003A	55-8	F4	2.00	2	B	GB	MO	C	A	BTO PIT	CS 2Y	CS-07	TP-01	1 1
Main Steam Line A LCS Blowdown Valve														
1E32-P003E	55-8	D4	2.00	2	B	GB	MO	C	A	BTO PIT	CS 2Y	CS-07	TP-01	1 1
Main Steam Line B LCS Blowdown Valve														
1E32-P003J	55-8	C4	2.00	2	B	GB	MO	C	A	BTO PIT	CS 2Y	CS-07	TP-01	1 1
Main Steam Line C LCS Blowdown Valve														
1E32-P003N	55-8	B4	3.00	2	B	GT	MO	C	A	BTO PIT	CS 2Y	CS-07	TP-01	1 1
Main Steam Line D LCS Blowdown Valve														

System ID: MS — Main Steam

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Valve Number	PAID	Coord	Size	Class	Cnt	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
1E32-F006	55-8	B3	2.50	2	B	GT	MO	C	A	BTC BTO PIT	CS CS 2Y	CS-07 CS-07	TP-01 TP-01	1 1 1
Main Steam LCS Bleed Valve														
1E32-F007	55-8	B4	2.50	2	B	GT	MO	C	A	BTC BTO PIT	CS CS 2Y	CS-07 CS-07	TP-01 TP-01	1 1 1
Main Steam LCS Bleed Valve														
1E32-F008	55-8	A4	2.00	2	B	GB	MO	C	A	BTC BTO PIT	CS CS 2Y	CS-07 CS-07	TP-01 TP-01	1 1 1
Main Steam LCS Blowdown Valve														
1E32-F009	55-8	A4	2.00	2	B	GB	MO	C	A	BTC BTO PIT	CS CS 2Y	CS-07 CS-07	TP-01 TP-01	1 1 1
Main Steam LCS Blowdown Valve														
1E32-F010	55-8	E7	0.75	2	C	CV	SA	C	A	CTC CTO	SAM SAM	RJ-04 RJ-04		RV-01 RV-01
MSIV-LCS LP Manifold Drain Line Check Valve														
1E32-F011	55-8	A6	0.75	2	C	CV	SA	C	A	CTC CTO	SAM SAM	RJ-04 RJ-04		RV-01 RV-01
MSIV-LCS Downstream Exhaust Blower Check Valve														
1E32-F310A	55-8	F4	0.75	2	C	CV	SA	C	A	CTC CTO	SAM SAM	RJ-04 RJ-04		RV-01 RV-01
MSIV-LCS Upstream Exhaust Blower Check Valve														
1E32-F310B	55-8	E4	0.75	2	C	CV	SA	C	A	CTC CTO	SAM SAM	RJ-04 RJ-04		RV-01 RV-01
MSIV-LCS Upstream Exhaust Blower Check Valve														

System ID: MS — Main Steam

Facility: LaSalle Unit 1
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Valve Number	P&ID	Coord	Size	Class	Ctrl	Valve Type	Act Type	Normal Pos	Active/Passive	Test	Test Sched	RV/RL/CS	Tech Pos	Notes
1E32-F310C	55-8	D4	0.75	2	C	CV	SA	C	A	CTC CTO	SAM SAM	RJ-04 RJ-04		RV-01 RV-01
MSIV-LCS Upstream Exhaust Blower Check Valve														
1E32-F310D	55-8	C4	0.75	2	C	CV	SA	C	A	CTC CTO	SAM SAM	RJ-04 RJ-04		RV-01 RV-01
MSIV-LCS Upstream Exhaust Blower Check Valve														

Facility: LaSalle Unit 1
 System ID: NB — Nuclear Boiler

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Fee	Notes
1B21-F344	93-3	B3	0.75	2	AC	EPC	SA	O	A	AT CTC PTT	RR RR 2Y	RJ-11		10 10 10
Jet Pump Pressure EPC														
1B21-F346	93-3	B6	0.75	2	AC	EPC	SA	O	A	AT CTC PTT	RR RR 2Y	RJ-11		10 10 10
RPV Bottom Head Drain Flow EPC														
1B21-F348	93-3	A6	0.75	2	AC	EPC	SA	O	A	AT CTC PTT	RR RR 2Y	RJ-11		10 10 10
RPV / HPCS dP EPC														
1B21-F350	93-3	A6	0.75	2	AC	EPC	SA	O	A	AT CTC PTT	RR RR 2Y	RJ-11		10 10 10
Core dP EPC														
1B21-F353	93-4	A5	0.75	2	AC	EPC	SA	O	A	AT CTC PTT	RR RR 2Y	RJ-11		10 10 10
RPV Level and Pressure EPC														
1B21-F355	93-4	B5	0.75	2	AC	EPC	SA	O	A	AT CTC PTT	RR RR 2Y	RJ-11		10 10 10
RPV Level and Pressure EPC														
1B21-F357	93-4	D5	0.75	2	AC	EPC	SA	O	A	AT CTC PTT	RR RR 2Y	RJ-11		10 10 10
RPV Level and Pressure EPC														

System ID: NB — Nuclear Boiler

Facility: LaSalle Unit 1
 System ID: NB — Nuclear Boiler

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
1B21-F359	93-4	C5	0.75	2	AC	EPC	8A	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
RPV Level and Pressure EPC														
1B21-F361	93-4	D5	0.75	2	AC	EPC	8A	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
RPV Level and Pressure EPC														
1B21-F363	93-4	C5	0.75	2	AC	EPC	8A	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
RPV Level and Pressure EPC														
1B21-F365	93-4	E5	0.75	2	AC	EPC	8A	O	A	AT CTC PIT	RR RR 2Y	RJ-11		9 9 9
Drywell Pressure EPC														
1B21-F367	93-4	A5	0.75	2	AC	EPC	8A	O	A	AT CTC PIT	RR RR 2Y	RJ-11		9 9 9
Drywell Pressure EPC														
1B21-F370	93-5	A6	0.75	2	AC	EPC	8A	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
RPV Level and Pressure EPC														
1B21-F372	93-5	O6	0.75	2	AC	EPC	8A	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
RPV Level and Pressure EPC														

System ID: NB — Nuclear Boiler

Facility: LaSalle Unit 1
 System ID: NB — Nuclear Boiler

Valve Number	P&ID	Coord	Size	Class	Cont	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
1B21-F374	93-5	D6	0.75	2	AC	EPC	SA	O	A	AT CTC PT	RR RR 2Y	RJ-11		10 10 10
RPV Level and Pressure EPC														
1B21-F376	93-5	B6	0.75	2	AC	EPC	SA	O	A	AT CTC PT	RR RR 2Y	RJ-11		10 10 10
RPV Level and Pressure EPC														
1B21-F378	93-5	E6	0.75	2	AC	EPC	SA	O	A	AT CTC PT	RR RR 2Y	RJ-11		10 10 10
RPV Level and Pressure EPC														
1B21-F380	93-5	A6	0.75	2	AC	EPC	SA	O	A	AT CTC PT	RR RR 2Y	RJ-11		9 9 9
Drywell Pressure EPC														
1B21-F382	93-5	F6	0.75	2	AC	EPC	SA	O	A	AT CTC PT	RR RR 2Y	RJ-11		9 9 9
Drywell Pressure EPC														
1B21-F437	93-3	E3	0.75	2	AC	EPC	SA	O	A	AT CTC PT	RR RR 2Y	RJ-11		10 10 10
Jet Pump Flow EPC														
1B21-F439	93-3	E3	0.75	2	AC	EPC	SA	O	A	AT CTC PT	RR RR 2Y	RJ-11		10 10 10
Jet Pump Flow EPC														

System ID: NB — Nuclear Boiler

Facility: LaSalle Unit 1
 System ID: NB — Nuclear Boiler

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJCS	Tech Pos	Notes
1B21-F441	93-3	D3	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Jet Pump Flow EPC														
1B21-F443	93-3	D3	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Jet Pump Flow EPC														
1B21-F445A	93-3	D3	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Jet Pump Flow EPC														
1B21-F445B	93-3	D3	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Jet Pump Flow EPC														
1B21-F447	93-3	C3	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Jet Pump Flow EPC														
1B21-F449	93-3	C3	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Jet Pump Flow EPC														
1B21-F451	93-3	C3	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Jet Pump Flow EPC														

System ID: NB — Nuclear Boiler

Facility: LaSalle Unit 1
 System ID: NB — Nuclear Boiler

Valve Number	PAID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RL/CS	Tech Pos	Notes
1B21-F453	93-3	C3	0.75	2	AC	EPC	SA	O	A	AT CTC PT	RR RR 2Y	RJ-11		10 10 10
Jet Pump Flow EPC														
1B21-F455A	93-3	B3	0.75	2	AC	EPC	SA	O	A	AT CTC PT	RR RR 2Y	RJ-11		10 10 10
Jet Pump Flow EPC														
1B21-F455B	93-3	B3	0.75	2	AC	EPC	SA	O	A	AT CTC PT	RR RR 2Y	RJ-11		10 10 10
Jet Pump Flow EPC														
1B21-F457	93-3	E6	0.75	2	AC	EPC	SA	O	A	AT CTC PT	RR RR 2Y	RJ-11		10 10 10
Jet Pump Flow EPC														
1B21-F459	93-3	E6	0.75	2	AC	EPC	SA	O	A	AT CTC PT	RR RR 2Y	RJ-11		10 10 10
Jet Pump Flow EPC														
1B21-F461	93-3	D6	0.75	2	AC	EPC	SA	O	A	AT CTC PT	RR RR 2Y	RJ-11		10 10 10
Jet Pump Flow EPC														
1B21-F463	93-3	D6	0.75	2	AC	EPC	SA	O	A	AT CTC PT	RR RR 2Y	RJ-11		10 10 10
Jet Pump Flow EPC														

System ID: NB — Nuclear Boiler

Facility: LaSalle Unit 1
 System ID: NB — Nuclear Boiler

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active Positive	Test	Test Sched	RV/RI/CS	Tech Pos	Notes
1B21-F465A	93-3	D6	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Jet Pump Flow EPC														
1B21-F465B	93-3	D6	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Jet Pump Flow EPC														
1B21-F467	93-3	C6	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Jet Pump Flow EPC														
1B21-F469	93-3	C6	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Jet Pump Flow EPC														
1B21-F471	93-3	C6	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Jet Pump Flow EPC														
1B21-F473	93-3	C6	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Jet Pump Flow EPC														
1B21-F475A	93-3	B6	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Jet Pump Flow EPC														

System ID: NB — Nuclear Boiler

Facility: LaSalle Unit 1
 System ID: NB — Nuclear Boiler

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
1B21-F475B	93-3	B6	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Jet Pump Flow EPC														
1B21-F570	93-4	C5	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
RPV Level and Pressure EPC														
1B21-F571	93-5	E6	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Drywell Pressure EPC														

System ID: NB — Nuclear Boiler

Facility: LaSalle Unit 1
 System ID: NR — Neutron Monitoring

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/Passive	Test	Test Sched	RV/RJCS	Tech Pos	Notes
1CS1-J004A	0774-01	E6	0.38	N	A	BV	SO	C	A	AT BTC PST PIT	RR Q Q 2Y		TP-04 TP-01	
TIP Guide Tube Ball Valve														
1CS1-J004B	0774-01	D6	0.38	N	A	BV	SO	C	A	AT BTC PST PIT	RR Q Q 2Y		TP-04 TP-01	
TIP Guide Tube Ball Valve														
1CS1-J004C	0774-01	C6	0.38	N	A	BV	SO	C	A	AT BTC PST PIT	RR Q Q 2Y		TP-04 TP-01	
TIP Guide Tube Ball Valve														
1CS1-J004D	0774-01	D6	0.38	N	A	BV	SO	C	A	AT BTC PST PIT	RR Q Q 2Y		TP-04 TP-01	
TIP Guide Tube Ball Valve														
1CS1-J004E	0774-01	D6	0.38	N	A	BV	SO	C	A	AT BTC PST PIT	RR Q Q 2Y		TP-04 TP-01	
TIP Guide Tube Ball Valve														

System ID: NR — Neutron Monitoring

Facility: LaSalle Unit 1
 System ID: PC — Primary Containment Purge

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Fee	Notes
1PC001A	92-2	D6	24.00	2	C	CV	SA	C	A	CTC	M	RV-05		15
										CTO	RR			15
										E	M			15
										PIT	2Y			15
Containment Vacuum Breaker														
1PC001B	92-2	E6	24.00	2	C	CV	SA	C	A	CTC	M	RV-05		15
										CTO	RR			15
										E	M			15
										PIT	2Y			15
Containment Vacuum Breaker														
1PC001C	92-2	D3	24.00	2	C	CV	SA	C	A	CTC	M	RV-05		15
										CTO	RR			15
										E	M			15
										PIT	2Y			15
Containment Vacuum Breaker														
1PC001D	92-2	E3	24.00	2	C	CV	SA	C	A	CTC	M	RV-05		15
										CTO	RR			15
										E	M			15
										PIT	2Y			15
Containment Vacuum Breaker														

Facility: LaSalle Unit 1
 System ID: RD — Control Rod Drive

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CB	Tech Pos	Notes
1C11-D001-114	100-3	E3		N	C					CTO	T8	RV-02		
Scram Discharge Riser Check														
1C11-D001-115	100-3	D7		N	C					CTC	RR	RV-03		
HCU Accumulator Check														
1C11-D001-126	100-3	D6	1.00	N	B	OT	AO	C	A	BTO FST	T8 T8	RV-02 RV-02		
Inlet Scram Valve														
1C11-D001-127	100-3	E3	1.00	N	B	OT	AO	C	A	BTO FST	T8 T8	RV-02 RV-02		
Outlet Scram Valve														
1C11-D001-138	100-3	D6	0.50	N	C	CV	SA	O	A	CTC	T8	RV-03		
CRD Cooling Water Check														
1C11-F380	100-2	C3	2.00	2	B	GT	AO	O	A	BTC FST PIT	RR Q 2Y	RJ-10		
CRD Scram Discharge Instr Volume Vent														
1C11-F381	100-4	B1	2.00	2	B	GT	AO	O	A	BTC FST PIT	RR Q 2Y	RJ-10		
CRD Scram Discharge Instr Volume Drain														
1C11-F388	100-2	C3	2.00	2	B	GT	AO	O	A	BTC FST PIT	RR Q 2Y	RJ-10		
CRD Scram Discharge Instr Volume Vent														
1C11-F389	100-4	B1	2.00	2	B	GT	AO	O	A	BTC FST PIT	RR Q 2Y	RJ-10		
CRD Scram Discharge Instr Volume Drain														

System ID: RD — Control Rod Drive

Facility: LaSalle Unit 1
 System ID: RD — Control Rod Drive

Valve Number	PAID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
1C11-F422B	100-5	B4	3/8"	2	AC	CV	SA	O	A	AT CTC CTO	2Y 2Y TS	RJ-14		
RVWLIS Panel B Check Valve														
1C11-F422D	100-5	E8	3/8"	2	AC	CV	SA	O	A	AT CTC CTO	2Y 2Y TS	RJ-14		
RVWLIS Panel D Check Valve														
1C11-F422F	100-5	E4	3/8"	2	AC	CV	SA	O	A	AT CTC CTO	2Y 2Y TS	RJ-14		
RVWLIS Panel F Check Valve														
1C11-F422G	100-5	E2	3/8"	2	AC	CV	SA	O	A	AT CTC CTO	2Y 2Y TS	RJ-14		
RVWLIS Panel G Check Valve														
1C11-F423B	100-5	B4	3/8"	2	AC	CV	SA	O	A	AT CTC CTO	2Y 2Y TS	RJ-14		
RVWLIS Panel B Check Valve														
1C11-F423D	100-5	E8	3/8"	2	AC	CV	SA	O	A	AT CTC CTO	2Y 2Y TS	RJ-14		
RVWLIS Panel D Check Valve														
1C11-F423F	100-5	E4	3/8"	2	AC	CV	SA	O	A	AT CTC CTO	2Y 2Y TS	RJ-14		
RVWLIS Panel F Check Valve														

System ID: RD — Control Rod Drive

Facility: LaSalle Unit 1
 System ID: RD — Control Rod Drive

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
1C11-F423G	100-5	E2	3/8"	2	AC	CV	SA	O	A	AT CTC CTO	2Y 2Y TS	RJ-14		
RVWLIS Panel G Check Valve														

System ID: RD — Control Rod Drive

Facility: LaSalle Unit 1
 System ID: RE — Reactor Building Equipment Drains

Valve Number	PAID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/Passive	Test	Test Sched	RV/RJ/CB	Tech Pos	Notes
1RE-024	91-4	B4	2.00	2	A	GT	AO	O/C	A	AT	RR		TP-04	4,6
										BTC	Q		TP-01	4,6
										FST	Q			4,6
										PIT	2Y			4,6
										DW Equip Sump Inboard Containment Iso Vlv				
1RE-025	91-4	C4	2.00	2	A	GT	AO	O/C	A	AT	RR		TP-04	4
										BTC	Q		TP-01	4
										FST	Q			4
										PIT	2Y			4
										DW Equip Sump Outboard Containment Iso Vlv				
1RE-026	91-4	D5	1.00	2	A	GT	AO	O/C	A	AT	RR		TP-04	4
										BTC	Q		TP-01	4
										FST	Q			4
										PIT	2Y			4
										Gland Seal Leakoff Reservoir Inboard Cont Iso Vlv				
1RE-029	91-4	D5	1.00	2	A	GT	AO	O/C	A	AT	RR		TP-04	4
										BTC	Q		TP-01	4
										FST	Q			4
										PIT	2Y			4
										Gland Seal Leakoff Reservoir Outboard Cont Iso Vlv				

Facility: LaSalle Unit 1
 System ID: RF -- Reactor Building Floor Drains

Valve Number	F&ID	Coord	Size	Class	Ord	Valve Type	Act Type	Normal Pos	Actived/Passive	Test	Test Sched	RV/RACK	Teach Pos	Notes
1RF-012	91-4	A4	2.00	2	A	GT	AO	OAC	A	AT BTC FST FIT	LR Q Q 2Y		TP-04 TP-01	4 4 4 4
.....														
DW Floor Sump Inboard Containment Iso Vlv														
1RF-013	91-4	E4	2.00	2	A	GT	AO	OAC	A	AT BTC FST FIT	RR Q Q 2Y		TP-04 TP-01	4 4 4 4
.....														
DW Floor Sump Outboard Containment Iso Vlv														
.....														

Facility: LaSalle Unit 1
 System ID: RH — Residual Heat Removal

Valve Number	F&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
1E12-F003A	96-4	C1	18.00	2	B	GT	MO	O	A	BTO PIT	Q 2Y		TP-01	
A RHR HX Outlet Isolation Valve														
1E12-F003B	96-4	C8	18.00	2	B	GT	MO	O	A	BTO PIT	Q 2Y		TP-01	
B RHR HX Outlet Isolation Valve														
1E12-F004A	96-1	A7	24.00	2	A	GT	MO	O	A	AT BTC PIT	RR Q 2Y		TP-04 TP-01	4,6,11 4,6,11 4,6,11
A RHR Pump Outboard Suction from Suppression Pool														
1E12-F004B	96-2	A7	24.00	2	A	GT	MO	O	A	AT BTC PIT	RR Q 2Y		TP-04 TP-01	4,6,11 4,6,11 4,6,11
B RHR Pump Outboard Suction from Suppression Pool														
1E12-F004C	96-3	A7	24.00	2	A	GT	MO	O	A	AT BTC PIT	RR Q 2Y		TP-04 TP-01	4,6,11 4,6,11 4,6,11
C RHR Pump Outboard Suction from Suppression Pool														
1E12-F005	96-3	C5	1x2	2	AC	RV	SA	C	P	AT RT	RR 10Y		TP-04	2,4,6,8 2,4,6,8
Shutdown Cooling Header Relief Valve														
1E12-F006A	96-1	A6	18	2		GT	MO	C	A	BTO PIT	Q RR		TP-01	
A RHR Suction Stop from Shutdown Cooling														
1E12-F006B	96-2	B6	18	2		GT	MO	C	A	BTO PIT	Q RR		TP-01	
B RHR Suction Stop from Shutdown Cooling														

Facility: LaSalle Unit 1
 System ID: RH — Residual Heat Removal

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
1E12-F008	96-3	D6	20.00	1	A	GT	MO	C	A	AT	RR		TP-04	1,4,5
										AT1	RR		TP-04	1,4,5
										BTC	CS	CS-02	TP-01	1,4,5
										BTO	CS	CS-02	TP-01	1,4,5
										PIT	2Y			1,4,5
RHI SDC Section Header Outboard Cont Iso Vlv														
1E12-F009	96-3	C7	20.00	1	A	GT	MO	C	A	AT	RR		TP-04	1,4,5
										AT1	RR		TP-04	1,4,5
										BTC	CS	CS-02	TP-01	1,4,5
										BTO	CS	CS-02	TP-01	1,4,5
										PIT	2Y			1,4,5
RHR SDC Section Header Inboard Cont Iso Vlv														
1E12-F011A	96-4	A3	4.00	2	A	GT	MO	C	P	AT	RR		TP-04	4,6,8
										PIT	2Y			4,6,8
A RHR HX Steam Cond to Supp Pool Cont Iso Vlv														
1E12-F011B	96-4	A6	4.00	2	A	GT	MO	C	P	AT	RR		TP-04	4,6,8
										PIT	2Y			4,6,8
B RHR HX Steam Cond to Supp Pool Cont Iso Vlv														
1E12-F016A	96-1	E5	16.00	2	A	GT	MO	C	P	AT	RR		TP-04	4
										BTC	Q		TP-01	4
										PIT	2Y			4
A RHR Cont Spray Upstream Iso Vlv														
1E12-F016B	96-2	F5	16.00	2	A	GT	MO	C	P	AT	RR		TP-04	4
										BTC	Q		TP-01	4
										PIT	2Y			4
B RHR Cont Spray Upstream Iso Vlv														
1E12-F017A	96-1	E7	16.00	2	A	GT	MO	C	P	AT	RR		TP-04	4,6
										BTC	Q		TP-01	4,6
										PIT	2Y			4,6
A RHR Cont Spray Downstream Iso Vlv														

Facility: LaSalle Unit 1
 System ID: RH --- Residual Heat Removal

Valve Number	PAID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
1E12-F017B	96-2	F6	16.00	2	A	OT	MO	C	P	AT BTC PIT	RR Q 2Y		TP-04 TP-01	4,6 4,6 4,6
B RHR Cont Spray Downstream Iso Vlv														
1E12-F020	96-3	C8	20.0	1	B	OT	M	LO	P	PIT	2Y			
RHR Shutdown Cooling Suction Manual Stop														
1E12-F021	96-3	E5	18.00	2	A	GB	MO	C	A	AT BTC PIT PS	RR CS 2Y Q	CS-11	TP-04 TP-01	4,6,8 4,6,8 4,6,8 4,6,8
C RHR Pump Full Flow Test Iso Vlv														
1E12-F023	96-1	F6	6.00	1	A	GB	MO	C	A	AT BTC PIT	RR CS 2Y	CS-02	TP-04 TP-01	1,4 1,4 1,4
RHR HX Head Spray Discharge Header Iso Vlv														
1E12-F024A	96-1	D2	18.00	2	A	GB	MO	C	A	AT BTC BTO PIT PS	RR CS CS 2Y Q	CS-11 CS-11	TP-04 TP-01 TP-01	4,6,8 4,6,8 4,6,8 4,6,8 4,6,8
A RHR Pump Full Flow Test Iso Vlv														
1E12-F024B	96-2	E2	18.00	2	A	GB	MO	C	A	AT BTC BTO PIT PS	RR CS CS 2Y Q	CS-11 CS-11	TP-04 TP-01 TP-01	4,6,8 4,6,8 4,6,8 4,6,8 4,6,8
B RHR Pump Full Flow Test Iso Vlv														
1E12-F025A	96-1	E3	1x2	2	AC	RV	SA	C	P	AT RT	RR 10Y		TP-04	2,4,6,8 2,4,6,8
A RHR Pump Discharge Relief Valve														

System ID: RH --- Residual Heat Removal

Facility: LaSalle Unit 1
 System ID: RH — Residual Heat Removal

Valve Number	PAID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
1E12-F025B	96-2	D5	1x2	2	AC	RV	SA	C	P	AT RT	RR 10Y		TP-04	2,4,6,8 2,4,6,8
B RHR Pump Discharge Relief Valve														
1E12-F025C	96-3	C2	1x2	2	AC	RV	SA	C	P	AT RT	RR 10Y		TP-04	2,4,6,8 2,4,6,8
C RHR Pump Discharge Relief Valve														
1E12-F026A	96-4	B4	4.00	2	B	GT	MO	C	P	PIT	2Y			
A RHR HX Steam Cond Outlet to RCIC Iso Vlv														
1E12-F026B	96-4	B6	4.00	2	B	GT	MO	C	P	PIT	2Y			
B RHR HX Steam Cond Outlet to RCIC Iso Vlv														
1E12-F027A	96-1	C5	4.00	2	A	GT	MO	C	A	AT BTC BTO PIT	RR Q Q 2Y		TP-04 TP-01 TP-01	4,6,8 4,6,8 4,6,8 4,6,8
A RHR Suppression Chamber Spray Iso Vlv														
1E12-F027B	96-2	C4	4.00	2	A	GT	MO	C	A	AT BTC BTO PIT	RR Q Q 2Y		TP-04 TP-01 TP-01	4,6,8 4,6,8 4,6,8 4,6,8
B RHR Suppression Chamber Spray Iso Vlv														
1E12-F030	96-2	B4	1x2	2	AC	RV	SA	C	P	AT RT	RR 10Y		TP-04	2,4,6,8 2,4,6,8
RHR Cross-connect Relief Valve														
1E12-F031A	96-1	A4	18.00	2	C	CV	SA	C	A	CTC CTO	Q Q			15 15
A RHR Pump Discharge Check														
1E12-F031B	96-2	C3	18.00	2	C	CV	SA	C	A	CTC CTO	Q Q			15 15
B RHR Pump Discharge Check														

System ID: RH — Residual Heat Removal

Facility: LaSalle Unit 1
 System ID: RH --- Residual Heat Removal

Valve Number	PAID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
1E12-F031C	96-3	B4	18.00	2	C	CV	SA	C	A	CTC CTO	Q Q			15 15
C RHR Pump Discharge Check														
1E12-F040A	96-4	C1	3.00	2	B	GB	MO	C	A	BTC PIT	Q 2Y		TP-01	
A RHR HX Disch to RadWaste Stop														
1E12-F040B	96-4	C3	3.00	2	B	GB	MO	C	A	BTC PIT	Q 2Y		TP-01	
B RHR HX Disch to RadWaste Stop														
1E12-F041A	96-1	D7	12.00	1	AC	NSC	AO	C	A	AT1 CTC CTO PIT PS	RR RR RR 2Y CS	RJ-12 RJ-12	TP-04	1,5,7 1,5,7 1,5,7 1,5,7 1,5,7
A RHR Injection Testable Check														
1E12-F041B	96-2	E7	12.00	1	AC	NSC	AO	C	A	AT1 CTC CTO PIT PS	RR RR RR 2Y CS	RJ-12 RJ-12	TP-04	1,5,7 1,5,7 1,5,7 1,5,7 1,5,7
B RHR Injection Testable Check														
1E12-F041C	96-3	E7	12.00	1	AC	NSC	AO	C	A	AT1 CTC CTO PIT PS	RR RR RR 2Y CS	RJ-12 RJ-12	TP-04	1,5,7 1,5,7 1,5,7 1,5,7 1,5,7
C RHR Injection Testable Check														

System ID: RH --- Residual Heat Removal

Facility: LaSalle Unit 1
 System ID: RH — Residual Heat Removal

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Fee	Notes
1E12-F042A	96-1	D5	12.00	1	A	GT	MO	C	A	AT	RR		TP-04	1,4,5
										AT1	RR		TP-04	1,4,5
										BTC	CS	CS-02	TP-01	1,4,5
										BTO	CS	CS-02	TP-01	1,4,5
										PIT	2Y			1,4,5
A RHR LPCI Injection Outboard Cont Iso Vlv														
1E12-F042B	96-2	E6	12.00	1	A	GT	MO	C	A	AT	RR		TP-04	1,4,5
										AT1	RR		TP-04	1,4,5
										BTC	CS	CS-02	TP-01	1,4,5
										BTO	CS	CS-02	TP-01	1,4,5
										PIT	2Y			1,4,5
B RHR LPCI Injection Outboard Cont Iso Vlv														
1E12-F042C	96-3	E6	12.00	1	A	GT	MO	C	A	AT	RR		TP-04	1,4,5
										AT1	RR		TP-04	1,4,5
										BTC	CS	CS-02	TP-01	1,4,5
										BTO	CS	CS-02	TP-01	1,4,5
										PIT	2Y			1,4,5
C RHR LPCI Injection Outboard Cont Iso Vlv														
1E12-F046A	96-1	B5	8.00	2	C	CV	8A	C	A	CTO	SAM	RJ-13		RV-01
										PS	Q			RV-01
A RHR Minimum Flow Bypass Check														
1E12-F046B	96-2	C2	8.00	2	C	CV	8A	C	A	CTO	SAM	RJ-13		RV-01
										PS	Q			RV-01
B RHR Minimum Flow Bypass Check														
1E12-F046C	96-3	E3	8.00	2	C	CV	8A	C	A	CTO	SAM	RJ-13		RV-01
										PS	Q			RV-01
C RHR Minimum Flow Bypass Check														
1E12-F048A	96-4	D1	18.00	2	B	GB	MO	O	A	BTC	Q		TP-01	
										BTO	Q		TP-01	
										PIT	2Y			
A RHR HX Shell Side Bypass Valve														

System ID: RH — Residual Heat Removal

Facility: LaSalle Unit 1
 System ID: RH — Residual Heat Removal

Valve Number	PAID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJCS	Tech Pos	Notes
1E12-F048B	96-4	D8	18.00	2	B	GB	MO	O	A	BTC BTO PIT	Q Q 2Y		TP-01 TP-01	
B RHR HX Shell Side Bypass Valve														
1E12-F049A	96-4	C1	3.00	2	B	GT	MO	C	A	BTC PIT	Q 2Y		TP-01	
A RHR HX Disch to RadWaste Inboard Cont Iso Vlv														
1E12-F049B	96-4	C8	3.00	2	B	GT	MO	C	A	BTC PIT	Q 2Y		TP-01	
B RHR HX Disch to RadWaste Inboard Cont Iso Vlv														
1E12-F050A	96-1	D7	12.00	1	AC	NSC	AO	C	A	AT1 CTC CTO PIT	RR RR RR 2Y	RV-08 RV-08	TP-04	1,5,7 1,5,7 1,5,7 1,5,7
A RHR SDC Testable Check														
1E12-F050B	96-2	D7	12.00	1	AC	NSC	AO	C	A	AT1 CTC CTO PIT	RR RR RR 2Y	RV-08 RV-08	TP-04	1,5,7 1,5,7 1,5,7 1,5,7
B RHR SDC Testable Check														
1E12-F051A	96-4	C4	10.00	2	B	GB	MO	C	P	PIT	2Y			
A RHR HX Steam Inlet Iso Vlv														
1E12-F052B	96-4	C5	10.00	2	B	GB	MO	C	P	PIT	2Y			
B RHR HX Steam Inlet Iso Vlv														
1E12-F053A	96-1	D5	12.00	1	A	GB	MO	C	A	AT AT1 BTC BTO PIT	RR RR CS CS 2Y	CS-02 CS-02	TP-04 TP-04 TP-01 TP-01	1,4,5 1,4,5 1,4,5 1,4,5 1,4,5
A RHR SDC Injection Vlv														

System ID: RH — Residual Heat Removal

Facility: LaSalle Unit 1
 System ID: RH --- Residual Heat Removal

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
1E12-P053B	96-2	D6	12.00	1	A	OB	MO	C	A	AT	RR		TP-04	1,4,5
										AT1	RR		TP-04	1,4,5
										BTC	CS	CS-02	TP-01	1,4,5
										BTO	CS	CS-02	TP-01	1,4,5
										PIT	2Y			1,4,5
B RHR SDC Injection Vlv														
1E12-P055A	96-4	D3	4x6	2	AC	RV	SA	C	P	AT	RR		TP-04	2,6,8
HX Steam Supply Relief Valve														
1E12-P055B	96-4	D5	4x6	2	AC	RV	SA	C	P	AT	RR		TP-04	2,6,8
HX Steam Supply Relief Valve														
1E12-P064A	96-1	B5	4.00	2	A	GT	MO	O	A	AT	RR		TP-04	4,6,8
										BTC	Q		TP-01	4,6,8
										BTO	Q		TP-01	4,6,8
										PIT	2Y			4,6,8
A RHR Pump Minimum Flow Bypass Iso Vlv														
1E12-P064B	96-2	C3	4.00	2	A	GT	MO	O	A	AT	RR		TP-04	4,6,8
										BTC	Q		TP-01	4,6,8
										BTO	Q		TP-01	4,6,8
										PIT	2Y			4,6,8
B RHR Pump Minimum Flow Bypass Iso Vlv														
1E12-P064C	96-3	B4	4.00	2	A	GT	MO	O	A	AT	RR		TP-04	4,6,8
										BTC	Q		TP-01	4,6,8
										BTO	Q		TP-01	4,6,8
										PIT	2Y			4,6,8
C RHR Pump Minimum Flow Bypass Iso Vlv														
1E12-P068A	87-2	B3	20.00	3	B	GT	MO	C	A	BTO	Q		TP-01	
										PIT	2Y			
A RHR HX Outlet Iso Vlv														
1E12-P068B	87-1	F2	20.00	3	B	GT	MO	C	A	BTO	Q		TP-01	
										PIT	2Y			
B RHR HX Outlet Iso Vlv														

System ID: RH --- Residual Heat Removal

Facility: LaSalle Unit 1
 System ID: RH --- Residual Heat Removal

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
1E12-F073A	96-4	E3	0.75	2	A	GB	MO	C	P	AT PIT	RR 2Y		TP-04	4,6,8 4,6,8
A RHR HX Vent Valve														
1E12-F073B	96-4	E5	0.75	2	A	GB	MO	C	P	AT PIT	RR 2Y		TP-04	4,6,8 4,6,8
B RHR HX Vent Valve														
1E12-F074A	96-4	E2	0.75	2	A	GB	MO	C	P	AT PIT	RR 2Y		TP-04	4,6,8 4,6,8
A RHR HX Vent Valve														
1E12-F074B	96-4	E6	0.75	2	A	GB	MO	C	P	AT PIT	RR 2Y		TP-04	4,6,8 4,6,8
B RHR HX Vent Valve														
1E12-F084A	96-1	B4	0.75	2	C	CV	SA	O/C	A	CTC CTO	Q Q		TP-02 TP-02	15 15
LPCS Water Leg Pump Discharge Check														
1E12-F084B	96-4	E5	0.75	2	C	CV	SA	O/C	A	CTC CTO	Q Q		TP-02 TP-02	15 15
RHR Water Leg Pump Discharge Check														
1E12-F084C	96-3	A8	0.75	2	C	CV	SA	O/C	A	CTC CTO	Q Q		TP-02 TP-02	15 15
RHR Water Leg Pump Discharge Check														
1E12-F087A	96-4	C4	10.00	2	B	GB	MO	C	P	PIT	2Y			
A RHR HX Steam Inlet PCV Bypass Vlv														
1E12-F087B	96-4	C5	10.00	2	B	GB	MO	C	P	PIT	2Y			
B RHR HX Steam Inlet PCV Bypass Vlv														
1E12-F088A	96-1	A6	1x2	2	AC	RV	SA	C	P	AT RT	RR 10Y		TP-04	2,4,6,8 2,4,6,8
A RHR Pump Suction Relief Valve														

System ID: RH --- Residual Heat Removal

Facility: LaSalle Unit 1
 System ID: RH --- Residual Heat Removal

Valve Number	P&ID	Coord	Size	Class	Cont	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
1E12-F088B	96-2	B5	1x2	2	AC	RV	SA	C	P	AT RT	RR 10Y		TP-04	2,4,6,8 2,4,6,8
B RHR Pump Section Relief Valve														
1E12-F088C	96-3	B6	1x2	2	AC	RV	SA	C	P	AT RT	RR 10Y		TP-04	2,4,6,8 2,4,6,8
C RHR Pump Section Relief Valve														
1E12-F089	96-4	F5	4.00	2	C	CV	SA	C	A	CTC CTO	Q Q			
Fuel Pool Emergency Makeup Testable Check														
1E12-F090A	96-1	C8	12.0	1	B	GT	M	LO	P	PIT	2Y			
A RHR Shutdown Cooling Return Manual Stop														
1E12-F090B	96-2	C8	12.0	1	B	GT	M	LO	P	PIT	2Y			
B RHR Shutdown Cooling Return Manual Stop														
1E12-F092A	96-1	D8	12.0	1	B	GT	M	LO	P	PIT	2Y			
A RHR LPCI Injection Manual Stop														
1E12-F092B	96-2	D8	12.0	1	B	GT	M	LO	P	PIT	2Y			
B RHR LPCI Injection Manual Stop														
1E12-F092C	96-3	D8	12.0	1	B	GT	M	LO	P	PIT	2Y			
C RHR LPCI Injection Manual Stop														
1E12-F093	94-4	F4	4	2		GT	MO	C	A	BTO PIT	Q RR		TP-01	
Fuel Pool Emergency Makeup Supply Downstream														
1E12-F094	94-4	F3	4	2		GT	MO	C	A	BTO PIT	Q RR		TP-01	
Fuel Pool Emergency Makeup Supply Upstream														
1E12-F097	96-4	F2	0.75	2	B	GB	SO	O	A	BTC FST	Q Q		TP-01	
Emergency Makeup Supply Vent Vlv														

System ID: RH --- Residual Heat Removal

Facility: LaSalle Unit 1
 System ID: RH — Residual Heat Removal

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
1E12-F099A	96-1	C7	2.00	1	A	GB	MO	C	A	AT BTC PIT	RR CS 2Y	CS-02	TP-04 TP-01	1,5,7 1,5,7 1,5,7
A RHR SDC Testable Check Bypass Iso Vlv														
1E12-F099B	96-2	C7	2.00	1	A	GB	MO	C	A	AT BTC PIT	RR CS 2Y	CS-02	TP-04 TP-01	1,5,7 1,5,7 1,5,7
B RHR SDC Testable Check Bypass Iso Vlv														
1E12-F302	96-1	C2	14.00	2	A	GT	M	LC	P	AT	RR		TP-04	4
Condensate Polisher Iso Vlv														
1E12-F311A	96-4	D2	.75x1	2	AC	RV	SA	C	P	AT RT	RR 10Y		TP-04	2,4,6,8 2,4,6,8
A RHR HX Shell Side Relief Valve														
1E12-F311B	96-4	D6	.75x1	2	AC	RV	SA	C	P	AT RT	RR 10Y		TP-04	2,4,6,8 2,4,6,8
B RHR HX Shell Side Relief Valve														
1E12-F312A	96-1	D2	1.50	2	B	GB	MO	C	A	BTO PIT	Q 2Y		TP-01	
Cooling Water to H2 Recombiner Iso Vlv														
1E12-F312B	96-2	E2	1.50	2	B	GB	MO	C	A	BTO PIT	Q 2Y		TP-01	
Cooling Water to H2 Recombiner Iso Vlv														
1E12-F313A	91-3	C4	3x4	N	C	RV	SA	C	P	RT	10Y			2
A RHR HX Tube Side Relief Valve														
1E12-F313B	91-3	C3	3x4	N	C	RV	SA	C	P	RT	10Y			2
B RHR HX Tube Side Relief Valve														

System ID: RH — Residual Heat Removal

Facility: LaSalle Unit 1
 System ID: RH — Residual Heat Removal

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJCS	Tech Pos	Notes
1E12-F315	2096-4	-	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
RHR Line Integrity EPC														
1E12-F317	2096-4	-	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
RHR Line Integrity EPC														
1E12-F319	2096-4	-	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
RHR Line Integrity EPC														
1E12-F331A	87-2	B6	16.00	3	C	NSC	SA	C	A	CTC CTO	Q Q			15 15
RHR SW Pump 1A Discharge Check														
1E12-F331B	87-2	B6	16.00	3	C	NSC	SA	C	A	CTC CTO	Q Q			15 15
RHR SW Pump 1B Discharge Check														
1E12-F331C	87-1	E6	16.00	3	C	NSC	SA	C	A	CTC CTO	Q Q			15 15
RHR SW Pump 1C Discharge Check														
1E12-F331D	87-1	F6	16.00	3	C	NSC	SA	C	A	CTC CTO	Q Q			15 15
RHR SW Pump 1D Discharge Check														
1E12-F359A	2096-5	-	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
RHR SDC Flow Instr EPC														

System ID: RH — Residual Heat Removal

Facility: LaSalle Unit 1

System ID: RH — Residual Heat Removal

Valve Number	PAID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
1E12-F359B	2096-5	-	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
RHR SDC Flow Instr EPC														
1E12-F360A	2096-5	-	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
RHR SDC Flow Instr EPC														
1E12-F360B	2096-5	-	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
RHR SDC Flow Instr EPC														

System ID: RH — Residual Heat Removal

Facility: LaSalle Unit 1
 System ID: RI — Reactor Core Isolation Cooling

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
1E51-F006	101-1	E7	4.00	1	A	GT	MO	O	A	AT BTC PIT	RR CS 2Y	CS-10	TP-04 TP-01	1,4 1,4 1,4
RCIC Steam Supply Outboard Isolation														
1E51-F013	101-2	C7	6.00	1	A	GT	MO	C	A	AT BTC PIT	RR CS 2Y	CS-12	TP-04 TP-01	1,4 1,4 1,4
RCIC Injection Isolation														
1E51-F019	101-2	B5	2.00	2	A	GB	MO	C	A	AT BTC PIT	RR CS 2Y	RV-09	TP-04 TP-01	4,6,8 4,6,8 4,6,8
RCIC Min Flow Isolation														
1E51-F022	101-2	D6	4.00	2	A	GB	MO	C	P	AT PIT	RR 2Y		TP-04	
RCIC Full Flow Test Upstream Stop														
1E51-F028	101-1	B6	1.25	2	AC	NSC	SA	C	A	AT CTC	RR RR	RV-07	TP-04	4 4
Barometric Condenser Vacuum Pump Discharge Check														
1E51-F031	101-2	B7	8.00	2	A	GT	MO	C	A	AT BTC PIT	RR Q 2Y		TP-04 TP-01	4,6,11 4,6,11 4,6,11
RCIC Pump Supp Pool Suction Isolation														
1E51-F040	101-1	B7	10.00	2	AC	CV	SA	C	A	AT CTC	RR RR	RV-07	TP-04	4 4
Turbine Exhaust Discharge Check														
1E51-F059	101-2	D5	4.00	2	A	GT	MO	C	P	AT PIT	RR 2Y		TP-04	
RCIC Full Flow Test Downstream Stop														

Facility: LaSalle Unit 1
 System ID: RI --- Reactor Core Isolation Cooling

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
1E51-F063	101-1	E8	10.00	1	A	GT	MO	O	A	AT BTC PIT	RR CS 2Y	CS-10	TP-04 TP-01	1,4,6 1,4,6 1,4,6
Steam Supply Inboard Isolation														
1E51-F064	101-1	E7	10.00	1	A	GT	MO	C	P	AT PIT	RR 2Y		TP-04	1,4 1,4
Steam Condensing Supply Valve														
1E51-F065	101-2	C7	6.00	1	AC	N8C	AO	C	P	AT1 PIT	RR 2Y		TP-04	5,7 5,7
RCIC Injection Outboard Testable Check														
1E51-F066	101-2	C8	6.00	1	AC	N8C	AO	C	P	AT1 PIT	RR 2Y		TP-04	5,7 5,7
RCIC Injection Inboard Testable Check														
1E51-F068	101-1	B7	10.00	2	A	GT	MO	O	A	AT BTC PIT	RR Q 2Y		TP-04 TP-01	4,6 4,6 4,6
Turbine Exhaust Discharge Isolation														
1E51-F069	101-1	B7	1.25	2	A	GB	MO	O	A	AT BTC PIT	RR Q 2Y		TP-04 TP-01	4,6 4,6 4,6
Barometric Cond. Vacuum Pump Discharge														
1E51-F076	101-1	E8	1.00	1	A	GB	MO	C	P	AT BTC PIT	RR Q 2Y		TP-04 TP-01	4,6 4,6 4,6
Steam Supply Inboard Isolation														
1E51-F090	101-1	C7	2.00	2	A	GB	MO	O	A	AT BTC PIT	RR Q 2Y		TP-04 TP-01	4 4 4
RCIC Turbine Exhaust Vacuum Breaker Isolation														

System ID: RI --- Reactor Core Isolation Cooling

Facility: LaSalle Unit 1
 System ID: RI — Reactor Core Isolation Cooling

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
1E51-F086	101-1	C7	2.00	2	A	GB	MO	O	A	AT BTC PIT	RR Q 2Y		TP-04 TP-01	4,5 4,6 4,6
RCIC Turbine Vacuum Breaker Isolation														
1E51-F357	101-1	E8	2.00	1	A	GT	M	LC	P	AT	RR		TP-04	
RCIC Steam Line Upstream Drain Valve														
1E51-F362	101-2	F7	4.00	2	A	GT	M	LC	P	AT	RR		TP-04	
Alternate Full Flow Test Line Manual Isolation														
1E51-F363	101-2	F7	4.00	2	A	GT	M	LC	P	AT	RR		TP-04	
Alternate Full Flow Test Line Manual Isolation														

System ID: RI — Reactor Core Isolation Cooling

Facility: LaSalle Unit 1
 System ID: RR — Reactor Recirculation

Valve Number	PAID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
1B33-F013A	93-1	B7	0.75	2	AC	NSC	SA	O	A	AT CTC	RR RR	RJ-08	TP-04	4 4
Recirc Pump Seal Supply Check														
1B33-F013B	93-2	B7	0.75	2	AC	NSC	SA	O	A	AT CTC	RR RR	RJ-08	TP-04	4 4
Recirc Pump Seal Supply Check														
1B33-F017A	93-1	B7	0.75	2	AC	NSC	SA	O	A	AT CTC	RR RR	RJ-08	TP-04	4 4
Recirc Pump Seal Supply Check														
1B33-F017B	93-2	B7	0.75	2	AC	NSC	SA	O	A	AT CTC	RR RR	RJ-08	TP-04	4 4
Recirc Pump Seal Supply Check														
1B33-F019	93-2	E6	0.75	2	A	GB	AO	O	A	AT BTC FST PIT	RR Q Q 2Y		TP-04 TP-01	4 4 4 4
Process Sampling Isolation Valve														
1B33-F020	93-2	E8	0.75	2	A	GB	AO	O	A	AT BTC FST PIT	RR Q Q 2Y		TP-04 TP-01	4 4 4 4
Process Sampling Isolation Valve														
1B33-F301A	93-1	D8	0.75	2	AC	EFC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Recirc Pump Suction Pressure EFC														
1B33-F301B	93-2	D8	0.75	2	AC	EFC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Recirc Pump Suction Pressure EFC														

Facility: LaSalle Unit 1
 System ID: RR — Reactor Recirculation

Valve Number	PAID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
1B33-F305A	2093-1		0.75	2	AC	EFC	SA	O	A	AT CTC FIT	RR RR 2Y	RJ-11		10 10 10
Recirc Pump Flow EFC														
1B33-F305B	2093-1		0.75	2	AC	EFC	SA	O	A	AT CTC FIT	RR RR 2Y	RJ-11		10 10 10
Recirc Pump Flow EFC														
1B33-F305C	2093-1		0.75	2	AC	EFC	SA	O	A	AT CTC FIT	RR RR 2Y	RJ-11		10 10 10
Recirc Pump Flow EFC														
1B33-F305D	2093-1		0.75	2	AC	EFC	SA	O	A	AT CTC FIT	RR RR 2Y	RJ-11		10 10 10
Recirc Pump Flow EFC														
1B33-F307A	2093-1		0.75	2	AC	EFC	SA	O	A	AT CTC FIT	RR RR 2Y	RJ-11		10 10 10
Recirc Pump Flow EFC														
1B33-F307B	2093-1		0.75	2	AC	EFC	SA	O	A	AT CTC FIT	RR RR 2Y	RJ-11		10 10 10
Recirc Pump Flow EFC														
1B33-F307C	2093-1		0.75	2	AC	EFC	SA	O	A	AT CTC FIT	RR RR 2Y	RJ-11		10 10 10
Recirc Pump Flow EFC														

System ID: RR — Reactor Recirculation

Facility: LaSalle Unit 1
 System ID: RR — Reactor Recirculation

Valve Number	PAID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
1B33-F307D	2093-1		0.75	2	AC	EPC	8A	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Recirc Pump Flow EPC														
1B33-F311A	2093-2		0.75	2	AC	EPC	8A	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Recirc Pump Flow EPC														
1B33-F311B	2093-2		0.75	2	AC	EPC	8A	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Recirc Pump Flow EPC														
1B33-F311C	2093-2		0.75	2	AC	EPC	8A	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Recirc Pump Flow EPC														
1B33-F311D	2093-2		0.75	2	AC	EPC	8A	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Recirc Pump Flow EPC														
1B33-F313A	2093-2		0.75	2	AC	EPC	8A	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Recirc Pump Flow EPC														
1B33-F313B	2093-2		0.75	2	AC	EPC	8A	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Recirc Pump Flow EPC														

Facility: LaSalle Unit 1
 System ID: RR — Reactor Recirculation

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
1B33-F313C	2093-2		0.75	2	AC	EFC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Recirc Pump Flow EFC														
1B33-F313D	2093-2		0.75	2	AC	EFC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Recirc Pump Flow EFC														
1B33-F315A	2093-3		0.75	2	AC	EFC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Recirc Pump dP EFC														
1B33-F315B	2093-3		0.75	2	AC	EFC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Recirc Pump dP EFC														
1B33-F315C	2093-4		0.75	2	AC	EFC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Recirc Pump dP EFC														
1B33-F315D	2093-4		0.75	2	AC	EFC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Recirc Pump dP EFC														
1B33-F317A	2093-8		0.75	2	AC	EFC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Recirc Pump Seal Pressure EFC														

Facility: LaSalle Unit 1
 System ID: RR — Reactor Recirculation

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
1B33-F317B	2093-8		0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Recirc Pump Seal Pressure EPC														
1B33-F319A	2093-8		0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Recirc Pump Seal Pressure EPC														
1B33-F319B	2093-8		0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 .0
Recirc Pump Seal Pressure EPC														
1B33-F338A	93-1	E2	0.75	2	B	GB	SO	O	A	BTC FST PIT	CS CS 2Y	CS-03 CS-03	TP-01	17 17 17
Recirc FCV HPU Inboard Isolation														
1B33-F338B	93-2	E2	0.75	2	B	GB	SO	O	A	BTC FST PIT	CS CS 2Y	CS-03 CS-03	TP-01	17 17 17
Recirc FCV HPU Inboard Isolation														
1B33-F339A	93-1	E1	0.75	2	B	GB	SO	O	A	BTC FST PIT	Q Q 2Y		TP-01	17 17 17
Recirc FCV HPU Outboard Isolation														
1B33-F339B	93-2	E1	0.75	2	B	GB	SO	O	A	BTC FST PIT	Q Q 2Y		TP-01	17 17 17
Recirc FCV HPU Outboard Isolation														

Facility: LaSalle Unit 1
 System ID: RR — Reactor Recirculation

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
1B33-F340A	93-1	E2	0.50	2	B	GB	SO	O	A	BTC FST PIT	CS CS 2Y	CS-03 CS-03	TP-01	17 17 17
Recirc FCV HPU Inboard Isolation														
1B33-F340B	93-2	D2	0.50	2	B	GB	SO	O	A	BTC FST PIT	CS CS 2Y	CS-03 CS-03	TP-01	17 17 17
Recirc FCV HPU Inboard Isolation														
1B33-F341A	93-1	E1	0.50	2	B	GB	SO	O	A	BTC FST PIT	Q Q 2Y		TP-01	17 17 17
Recirc FCV HPU Outboard Isolation														
1B33-F341B	93-2	D1	0.50	2	B	GB	SO	O	A	BTC FST PIT	Q Q 2Y		TP-01	17 17 17
Recirc FCV HPU Outboard Isolation														
1B33-F342A	93-1	D2	0.50	2	B	GB	SO	O	A	BTC FST PIT	CS CS 2Y	CS-03 CS-03	TP-01	17 17 17
Recirc FCV HPU Inboard Isolation														
1B33-F342B	93-2	C2	0.50	2	B	GB	SO	O	A	BTC FST PIT	CS CS 2Y	CS-03 CS-03	TP-01	17 17 17
Recirc FCV HPU Inboard Isolation														
1B33-F343A	93-1	D1	0.50	2	B	GB	SO	O	A	BTC FST PIT	Q Q 2Y		TP-01	17 17 17
Recirc FCV HPU Outboard Isolation														

Facility: LaSalle Unit 1
 System ID: RR — Reactor Recirculation

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
1B33-F343B	93-2	C1	0.50	2	B	GB	SO	O	A	BTC FST PIT	Q Q 2Y		TP-01	17 17 17
Recirc FCV HPU Outboard Isolation														
1B33-F344A	93-1	C2	0.75	2	B	GB	SO	O	A	BTC FST PIT	CS CS 2Y	CS-03 CS-03	TP-01	17 17 17
Recirc FCV HPU Inboard Isolation														
1B33-F344B	93-2	C2	0.75	2	B	GB	SO	O	A	BTC FST PIT	CS CS 2Y	CS-03 CS-03	TP-01	17 17 17
Recirc FCV HPU Inboard Isolation														
1B33-F345A	93-1	C1	0.75	2	B	GB	SO	O	A	BTC FST PIT	Q Q 2Y		TP-01	17 17 17
Recirc FCV HPU Outboard Isolation														
1B33-F345B	93-2	C1	0.75	2	B	GB	SO	O	A	BTC FST PIT	Q Q 2Y		TP-01	17 17 17
Recirc FCV HPU Outboard Isolation														



System ID: RR — Reactor Recirculation

Facility: LaSalle Unit 1
 System ID: RT — Reactor Water Cleanup

Valve Number	P&ID	Coord	Size	Class	Ctrl	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
1G33-F001	97-1	E8	6.00	1	A	GT	MO	O	A	AT BTC MT	RR CS 2Y	CS-05	TP-04 TP-01	1,4,6 1,4,6 1,4,6
RWCU Supply Inboard Cont Iso Vlv														
1G33-F004	97-1	E7	6.00	1	A	GT	MO	O	A	AT BTC MT	RR CS 2Y	CS-05	TP-04 TP-01	1,4 1,4 1,4
RWCU Supply Outboard Cont Iso Vlv														
1G33-F040	97-1	F4	4.00	2	A	GT	MO	O	A	AT BTC MT	RR CS 2Y	CS-05	TP-04 TP-01	1,4 1,4 1,4
RWCU Return Containment Iso Vlv														
1G33-F309	2097-1	-	0.75	2	AC	EPC	SA	O	A	AT CTC MT	RR RR 2Y	RJ-11		10 10 10
RX Vessel Drain Flow Instr EPC														
1G33-F312A	2097-2	-	0.75	2	AC	EPC	SA	O	A	AT CTC MT	RR RR 2Y	RJ-11		10 10 10
RWCU Flow Instr EPC														
1G33-F312B	2097-2	-	0.75	2	AC	EPC	SA	O	A	AT CTC MT	RR RR 2Y	RJ-11		10 10 10
RWCU Flow Instr EPC														

System ID: RT — Reactor Water Cleanup

Facility: LaSalle Unit 1
 System ID: SA — Service Air

Valve Number	PAID	Coord	Size	Class	Cnt	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CB	Tech Pos	Notes
18A042	B2-3	B7	3.00	2	A	GT	M	C	P	AT	BR		TP-04	13
DW Service Air Supply Outboard Isolation Valve														
18A046	B2-3	B7	3.00	2	A	GT	M	C	P	AT	BR		TP-04	13
DW Service Air Supply Inboard Isolation Valve														

System ID: SA — Service Air

Facility: LaSalle Unit 1
 System ID: SC — Standby Liquid Control

Valve Number	PAID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RACE	Test Fee	Notes
1C41-P004A	99	C5	1.50	1	A	GT	EX	C	P	AT	RR		TP-04	3,4
1C41-P004B	99	B5	1.50	1	A	GT	EX	C	P	AT	RR		TP-04	3,4
1C41-P007	99	D7	1.50	1	AC	NBC	SA	C	P	AT	RR		TP-04	4

System ID: SC — Standby Liquid Control

Facility: LaSalle Unit 1
 System ID: VG — Standby Gas Treatment

Valve Number	P&ID	Coord	Size	Class	Col	Valve Type	Act Type	Normal Pos	Active/Passive	Test	Test Sched	RV/R/ICE	Tech Pos	Notes
1VG001	89	A7	20.00	N	B	BF	MO	C	A	BTO FIT	Q 2Y		TP-01	
SBGT Inlet Isolation Damper														
1VG003	89	B2	20.00	3	B	BF	MO	C	A	BTO FIT	Q 2Y		TP-01	
SBGT Outlet Isolation Damper														

System ID: VG — Standby Gas Treatment

Facility: LaSalle Unit 1
 System ID: VP --- Primary Containment Ventilation

Valve Number	PAID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
1VP053A	86	E2	8.00	2	A	GT	MO	O/C	A	AT BTC PIT	RR RR 2Y	RJ-16	TP-04 TP-01	1,4 1,4 1,4
Chill Water Return Outboard Cont Iso Vlv														
1VP053B	86	C2	8.00	2	A	GT	MO	O/C	A	AT BTC PIT	RR RR 2Y	RJ-16	TP-04 TP-01	1,4 1,4 1,4
Chill Water Return Outboard Cont Iso Vlv														
1VP063A	86	D2	8.00	2	A	GT	MO	O/C	A	AT BTC PIT	RR RR 2Y	RJ-16	TP-04 TP-01	1,4 1,4 1,4
Chill Water Supply Outboard Cont Iso Vlv														
1VP063B	86	B2	8.00	2	A	GT	MO	O/C	A	AT BTC PIT	RR RR 2Y	RJ-16	TP-04 TP-01	1,4 1,4 1,4
Chill Water Supply Outboard Cont Iso Vlv														
1VP113A	86	D2	8.00	2	A	BF	MO	O/C	A	AT BTC PIT	RR RR 2Y	RJ-16	TP-04 TP-01	1,4,6 1,4,6 1,4,6
Chill Water Supply Inboard Cont Iso Vlv														
1VP113B	86	B2	8.00	2	A	BF	MO	O/C	A	AT BTC PIT	RR RR 2Y	RJ-16	TP-04 TP-01	1,4,6 1,4,6 1,4,6
Chill Water Supply Inboard Cont Iso Vlv														
1VP114A	86	E2	8.00	2	A	BF	MO	O/C	A	AT BTC PIT	RR RR 2Y	RJ-16	TP-04 TP-01	1,4,6 1,4,6 1,4,6
Chill Water Return Inboard Cont Iso Vlv														

System ID: VP --- Primary Containment Ventilation

Facility: LaSalle Unit 1

System ID: VP — Primary Containment Ventilation

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
1VP114B	86	C2	8.00	2	A	BF	MO	OC	A	AT BTC PIT	RR RR 2Y	RJ-16	TP-04 TP-01	1,4,6 1,4,6 1,4,6

Chill Water Return Inboard Cont Iso Vlv



System ID: VP — Primary Containment Ventilation

Facility: LaSalle Unit 1
 System ID: VQ — Primary Containment Vent and Purge

Valve Number	P&ID	Coord	Size	Class	Cnt	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CE	Tech Pos	Notes
1VQ026	92-1	C2	26.00	2	A	BF	AO	C	A	AT BTC PST PIT	RR CS CS 2Y	CS-06 CS-06	TP-04 TP-01	1 1 1 1
Outlet to Sec Cont from RX Bldg Inboard Damper														
1VQ027	92-1	C2	26.00	2	A	BF	AO	C	A	AT BTC PST PIT	RR CS CS 2Y	CS-06 CS-06	TP-04 TP-01	1 1 1 1
Inlet to Sec Cont from RX Bldg Inboard Damper														
1VQ029	92-1	D2	26.00	2	A	BF	AO	C	A	AT BTC PST PIT	RR CS CS 2Y	CS-06 CS-06	TP-04 TP-01	1,4 1,4 1,4 1,4
Inlet to DW from RX Bldg Outboard Damper														
1VQ030	92-1	D3	26.00	2	A	BF	AO	C	A	AT BTC PST PIT	RR CS CS 2Y	CS-06 CS-06	TP-04 TP-01	1,4,6 1,4,6 1,4,6 1,4,6
Inlet to DW from RX Bldg Inboard Damper														
1VQ031	92-1	C7	26.00	2	A	BF	AO	C	A	AT BTC PST PIT	RR CS CS 2Y	CS-06 CS-06	TP-04 TP-01	1 1 1 1
Suction from RX Bldg Inboard Damper														
1VQ032	92-1	C7	2.00	2	A	GB	MO	C	A	AT BTC PIT	RR Q 2Y		TP-04 TP-01	1,4,6 1,4,6 1,4,6
RX Bldg Suction Inboard Damper Bypass Valve														

Facility: LaSalle Unit 1
 System ID: VQ — Primary Containment Vent and Purge

Valve Number	P&ID	Coord	Size	Class	Out	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RL/CS	Tech Pos	Notes
1VQ034	92-1	E6	26.00	2	A	BF	AO	C	A	AT BTC FST PIT	RR CS CS 2Y	CS-06 CS-06	TP-04 TP-01	1,4,6 1,4,6 1,4,6 1,4,6
Section from DW Inboard Damper														
1VQ035	92-1	E6	2.00	2	A	GB	MO	C	A	AT BTC PIT	RR Q 2Y		TP-04 TP-01	4,6 4,6 4,6
Section from DW Inboard Damper														
1VQ036	92-1	E7	26.00	2	A	BF	AO	C	A	AT BTC FST PIT	RR CS CS 2Y	CS-06 CS-06	TP-04 TP-01	4 4 4 4
Section from DW Outboard Damper														
1VQ037	92-1	B8	26.00	2	B	BF	MO	C	A	BTC PIT	Q 2Y		TP-01	
Primary Cont Vent Sec Cont Inboard Damper														
1VQ038	92-1	B7	26.00	2	B	BF	MO	C	A	BTC PIT	Q 2Y		TP-01	
Primary Cont Vent Sec Cont Outboard Damper														
1VQ040	92-1	C8	26.00	2	A	BF	AO	C	A	AT BTC FST PIT	RR CS CS 2Y	CS-06 CS-06	TP-04 TP-01	1,4 1,4 1,4 1,4
Section Supp Cham Outboard Isolation Damper														
1VQ042	92-1	D2	8.00	2	A	BF	AO	C	A	AT BTC FST PIT	RR CS CS 2Y	CS-06 CS-06	TP-04 TP-01	1,4 1,4 1,4 1,4
Nitrogen Inerting Supply Valve														

Facility: LaSalle Unit 1
 System ID: VQ — Primary Containment Vent and Purge

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
1VQ043	92-1	C2	8.00	2	A	BF	AO	C	A	AT BTC FST FIT	RR CS CS 2Y	CS-06 CS-06	TP-04 TP-01	1,4 1,4 1,4 1,4
Nitrogen Inerting Supply Valve														
1VQ047	92-1	D3	1.50	2	A	GB	MO	O	A	AT BTC FIT	RR Q 2Y		TP-04 TP-01	4,6 4,6 4,6
Nitrogen Makeup Supply Valve														
1VQ048	92-1	D3	1.50	2	A	GB	MO	O	A	AT BTC FIT	RR Q 2Y		TP-04 TP-01	4 4 4
Nitrogen Makeup Supply Valve														
1VQ050	92-1	C3	1.50	2	A	GB	MO	O	A	AT BTC FIT	RR Q 2Y		TP-04 TP-01	4,6 4,6 4,6
Nitrogen Makeup Supply Valve														
1VQ051	92-1	C3	1.50	2	A	GB	MO	O	A	AT BTC FIT	RR Q 2Y		TP-04 TP-01	4 4 4
Nitrogen Makeup Supply Valve														
1VQ061	92-1	E4	0.75	2	AC	EPC	BA	O	A	AT CTC FIT	RR RR 2Y	RJ-11		9 9 9
Nitrogen Makeup Supply Pressure Sensing Line EPC														
1VQ068	92-1	E7	2.00	2	A	GB	MO	C	A	AT BTC FIT	RR Q 2Y		TP-04 TP-01	4 4 4
Outlet Purge Damper Bypass Valve														

Facility: LaSalle Unit 1
 System ID: WR — Reactor Building Closed Cooling

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/Passive	Test	Test Sched	RV/RL/CS	Tech Pos	Notes
1WR029	90-2	B7	6.00	2	A	GT	MO	O	A	AT	RR	CS-01	TP-04	1,4
										BTC	CS		TP-01	1,4
										PIT	2Y			1,4
RBCCW Supply Outboard Cont Iso Vlv														
1WR040	90-2	B4	6.00	2	A	GT	MO	O	A	AT	RR	CS-01	TP-04	1,4
										BTC	CS		TP-01	1,4
										PIT	2Y			1,4
RBCCW Return Outboard Cont Iso Vlv														
1WR179	90-2	B7	6.00	2	A	GT	MO	O	A	AT	RR	CS-01	TP-04	1,4
										BTC	CS		TP-01	1,4
										PIT	2Y			1,4
RBCCW Supply Inboard Cont Iso Vlv														
1WR180	90-2	B4	6.00	2	A	GT	MO	O	A	AT	RR	CS-01	TP-04	1,4
										BTC	CS		TP-01	1,4
										PIT	2Y			1,4
RBCCW Return Inboard Cont Iso Vlv														

Facility: LaSalle Unit 2
 System ID: CM — Containment Monitoring

Valve Number	P&ID	Coord	Size	Class	Mat	Valve Type	Act Type	Normal Pos	Active/Positive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
2CM002	158-3	C6	0.75	2	AC	EPC	SA	O	A	AT	RR	RJ-11		9
										CTC	RR			9
										PTT	2Y			9
Suppression Pool Water Level Instr EPC														
2CM004	138-2	B3	0.75	2	AC	EPC	SA	O	A	AT	RR	RJ-11		9
										CTC	RR			9
										PTT	2Y			9
Suppression Pool Water Level Instr EPC														
2CM010	158-3	C7	0.75	2	AC	EPC	SA	O	A	AT	RR	RJ-11		9
										CTC	RR			9
										PTT	2Y			9
Suppression Pool Water Level Instr EPC														
2CM012	138-2	C6	0.75	2	AC	EPC	SA	O	A	AT	RR	RJ-11		9
										CTC	RR			9
										PTT	2Y			9
Suppression Pool Water Level Instr EPC														
2CM017A	158-1	F6	0.50	2	A	GB	SO	O	A	AT	RR		TP-04	4,6
										BTC	Q		TP-01	4,6
										FST	Q			4,6
										PTT	2Y			4,6
DW to Cont Humidity Monitor Sample Pump A Iso Vlv														
2CM017B	158-2	F6	0.50	2	A	GB	SO	O	A	AT	RR		TP-04	4
										BTC	Q		TP-01	4
										FST	Q			4
										PTT	2Y			4
DW to Cont Humidity Monitor Sample Pump B Iso Vlv														
2CM018A	158-1	F6	0.50	2	A	GB	SO	O	A	AT	RR		TP-04	4,6
										BTC	Q		TP-01	4,6
										FST	Q			4,6
										PTT	2Y			4,6
DW to Cont Humidity Monitor Sample Pump A Iso Vlv														

Facility: LaSalle Unit 2
 System ID: CM --- Containment Monitoring

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJCS	Tech Pos	Notes
2CM018B	158-2	F6	0.50	2	A	GB	BO	O	A	AT BTC FST PIT	RR Q Q 2Y		TP-04 TP-01	4 4 4 4
DW to Cont Humidity Monitor Sample Pump B Iso Vlv														
2CM019A	158-1	B6	0.50	2	A	GB	BO	O	A	AT BTC FST PIT	RR Q Q 2Y		TP-04 TP-01	4 4 4 4
Cont Humidity Monitor Pump A to Supp Pool Iso Vlv														
2CM019B	158-2	B6	0.50	2	A	GB	BO	O	A	AT BTC FST PIT	RR Q Q 2Y		TP-04 TP-01	4 4 4 4
Cont Humidity Monitor Pump B to Supp Pool Iso Vlv														
2CM020A	158-1	B6	0.50	2	A	GB	BO	O	A	AT BTC FST PIT	RR Q Q 2Y		TP-04 TP-01	4,6 4,6 4,6 4,6
Cont Humidity Monitor Pump A to Supp Pool Iso Vlv														
2CM020B	158-2	B6	0.50	2	A	GB	BO	O	A	AT BTC FST PIT	RR Q Q 2Y		TP-04 TP-01	4,6 4,6 4,6 4,6
Cont Humidity Monitor Pump B to Supp Pool Iso Vlv														
2CM021B	158-2	F3	0.50	2	B	GB	BO	C	A	BTO FST PIT	Q Q 2Y		TP-01	
DW to Post LOCA Sample Pump B Iso Vlv														

System ID: CM --- Containment Monitoring

Facility: LaSalle Unit 2
 System ID: CM — Containment Monitoring

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	EV/R/L/CB	Tech Pos	Notes
2CM022A	158-1	F3	0.50	2	B	GB	SO	C	A	BTO FST PIT	Q Q 2Y		TP-01	
DW to Post LOCA Sample Pump A Iso Vlv														
2CM023B	158-2	F2	0.50	2	B	GB	SO	C	A	BTO FST PIT	Q Q 2Y		TP-01	
Supp Chamber to Post LOCA Sample Pump B Iso Vlv														
2CM024A	158-1	E3	0.50	2	B	GB	SO	C	A	BTO FST PIT	Q Q 2Y		TP-01	
Supp Chamber to Post LOCA Sample Pump A Iso Vlv														
2CM025A	158-1	Z3	0.50	2	B	GB	SO	C	A	BTO FST PIT	Q Q 2Y		TP-01	
Post LOCA Sample Pump A to Supp Chamber Iso Vlv														
2CM026B	158-2	B3	0.50	2	B	GB	SO	C	A	BTO FST PIT	Q Q 2Y		TP-01	
Post LOCA Sample Pump B to Supp Chamber Iso Vlv														
2CM027	158-4	E8	0.50	2	A	GB	SO	O	A	AT BTC FST PIT	RR Q Q 2Y		TP-04 TP-01	4,6 4,6 4,6 4,6
Supp Chamber to CAM Sample Pump Iso Vlv														
2CM028	158-4	E8	0.50	2	A	GB	SO	O	A	AT BTC FST PIT	RR Q Q 2Y		TP-04 TP-01	4 4 4 4
Supp Chamber to CAM Sample Pump Iso Vlv														

Facility: LaSalle Unit 2
 System ID: CM — Containment Monitoring

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJCS	Tech Fee	Notes
2CM029	158-4	F8	0.50	2	A	GB	BO	O	A	AT	RR		TP-04	4,6
										BTC	Q		TP-01	4,6
										FST	Q			4,6
										PIT	2Y			4,6
										DW to CAM Sample Pump Iso Vlv				
2CM030	158-4	E8	0.50	2	A	GB	BO	O	A	AT	RR		TP-04	4
										BTC	Q		TP-01	4
										FST	Q			4
										PIT	2Y			4
										DW to CAM Sample Pump Iso Vlv				
2CM031	158-4	C6	1.50	2	A	GB	BO	O	A	AT	RR		TP-04	4,6
										BTC	Q		TP-01	4,6
										FST	Q			4,6
										PIT	2Y			4,6
										DW to CAM Sample Pump Iso Vlv				
2CM032	158-4	C6	1.50	2	A	GB	BO	O	A	AT	RR		TP-04	4
										BTC	Q		TP-01	4
										FST	Q			4
										PIT	2Y			4
										DW to CAM Sample Pump Iso Vlv				
2CM033	158-4	B7	1.50	2	A	GB	BO	O	A	AT	RR		TP-04	4
										BTC	Q		TP-01	4
										FST	Q			4
										PIT	2Y			4
										CAM Sample Pump to Supp Chamber Iso Vlv				
2CM034	158-4	B6	1.50	2	A	GB	BO	O	A	AT	RR		TP-04	4,6
										BTC	Q		TP-01	4,6
										FST	Q			4,6
										PIT	2Y			4,6
										CAM Sample Pump to Supp Chamber Iso Vlv				

System ID: CM — Containment Monitoring

Facility: LaSalle Unit 2
 System ID: CM — Containment Monitoring

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CB	Tech Pos	Notes
2CM102	158-3	E5	0.75	2	AC	EPC	8A	O	A	AT	RR			9
										CTC	RR	RJ-11		9
										PT	2Y			9
Suppression Pool Water Level Instr EPC														

System ID: CM — Containment Monitoring

Facility: LaSalle Unit 2
 System ID: DG — Diesel Generator

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
2DG002	134-1	D6	10.00	3	C	NSC	SA	C	A	CTC CTO	SAM Q	RV-1/RJ-15		
DG Cooling Water Pump Discharge Check Valve														
2DG011	134-1	D5	4.00	3	B	GT	MO	C	A	E	Q			
DG Cooling Water Strainer Backwash Valve														
2DG034	134-1	C4	.75x1.0	3	C	RV	SA	C	P	RT	10Y			2
DG 1A Cooler Relief Valve														
2DG035	134-2	E4	1.50	3	B	GB	MO	O	A	BTO PIT	Q 2Y		TP-01	
LPCS Pump Cooler Inlet Valve														
2DG049A	83-3	B6	1.00	3	C	CV	SA	O/C	A	CTC CTO	Q Q			
Air Start Compressor Discharge Check Valve														
2DG049B	83-3	C6	1.00	3	C	CV	SA	O/C	A	CTC CTO	Q Q			
Air Start Compressor Discharge Check Valve														
2DG055A	83-3	B6	0.38	3	C	RV	SA	C	P	RT	10Y			
1A DG Air Receiver Relief Valve														
2DG055B	83-3	C6	0.38	3	C	RV	SA	C	P	RT	10Y			
1A DG Air Receiver Relief Valve														
2DG061A	83-3	B3	2.00	N	B	GT	AO	C	A	BTO FST	Q Q	RV-06 RV-06	TP-05 TP-05	
Diesel Generator 1A Starting Air Relay Valve														
2DG061B	83-3	C3	2.00	N	B	GT	AO	C	A	BTO FST	Q Q	RV-06 RV-06	TP-05 TP-05	
Diesel Generator 1A Starting Air Relay Valve														

System ID: DG — Diesel Generator

Facility: LaSalle Unit 2
 System ID: DG — Diesel Generator

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
2DG062A	83-3	B4	2.00	N	B	CNV	SO	C	A	BTO FST	Q Q	RV-06 RV-06	TP-05 TP-05	
Diesel Generator 1A Starting Air Control Valve														
2DG062B	83-3	C4	2.00	N	B	CNV	SO	C	A	BTO FST	Q Q	RV-06 RV-06	TP-05 TP-05	
Diesel Generator 1A Starting Air Control Valve														
2DG064A	83-3	B3	2.00	N	C	CV	SA	C	A	CTC	Q	RV-06	TP-05	
Diesel Generator 1A Starting Air Check Valve														
2DG064B	83-3	C3	2.00	N	C	CV	SA	C	A	CTC	Q	RV-06	TP-05	
Diesel Generator 1A Starting Air Check Valve														
2DG083A	83-4	E6	1.00	3	C	CV	SA	C	A	CTC	Q		TP-05	
HPCS Diesel Generator DC Soak Back Pump Disch Chk														
2DG083B	83-4	E6	1.00	3	C	CV	SA	C	A	CTC	Q		TP-05	
HPCS Diesel Generator AC Soak Back Pump Disch Chk														
2DG087A	83-4	B6	1.00	3	C	CV	SA	C	A	CTC	Q		TP-05	
Diesel Generator DC Soak Back Pump Disch Chk														
2DG087B	83-4	B6	1.00	3	C	CV	SA	C	A	CTC	Q		TP-05	
Diesel Generator AC Soak Back Pump Disch Chk														
2DG091	83-4	E3	0.50	3	C	CV	SA	C	A	CTC	Q		TP-05	
HPCS Diesel Generator Lube Oil Cooler Check Valve														
2DG092	83-4	B3	0.50	3	C	CV	SA	C	A	CTC	Q		TP-05	
Diesel Generator Lube Oil Cooler Check Valve														
2DGABC	83-4	F8	1.00	N	C	CV	SA	C	A	CTO	Q		TP-05	14
HPCS Diesel Generator Turbocharger Check Valve														
2DGXYZ	83-4	C8	1.00	N	C	CV	SA	C	A	CTO	Q		TP-05	14
Diesel Generator Turbocharger Check Valve														

System ID: DG — Diesel Generator

Facility: LaSalle Unit 2
 System ID: DG — Diesel Generator

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
2E22-369A	83-3	E6	0.38	3	C	RV	SA	C	P	RT	10Y			
HPCS DG Air Receiver Relief Valve														
2E22-369B	83-3	F6	0.38	3	C	RV	SA	C	P	RT	10Y			
HPCS DG Air Receiver Relief Valve														
2E22-370A	83-3	D6	0.38	3	C	RV	SA	C	P	RT	10Y			
HPCS DG Air Receiver Relief Valve														
2E22-370B	83-3	E6	0.38	3	C	RV	SA	C	P	RT	10Y			
HPCS DG Air Receiver Relief Valve														
2E22-F362A	83-3	E6	1.00	3	C	CV	SA	O/C	A	CTC	Q			
Air Start Compressor Discharge Check Valve														
2E22-F362B	83-3	F6	1.00	3	C	CV	SA	O/C	A	CTC	Q			
Air Start Compressor Discharge Check Valve														
2E22-F381A	83-3	E3	2.00	N	B	GT	AO	C	A	BTO	Q	RV-06	TP-05	
HPCS Diesel Generator Starting Air Relay Valve														
2E22-F381B	83-3	F3	2.00	N	B	GT	AO	C	A	BTO	Q	RV-06	TP-05	
HPCS Diesel Generator Starting Air Relay Valve														
2E22-F382A	83-3	D4	2.00	N	B	CNV	SO	C	A	BTO	Q	RV-06	TP-05	
HPCS Diesel Generator Starting Air Control Valve														
2E22-F382B	83-3	E4	2.00	N	B	CNV	SO	C	A	BTO	Q	RV-06	TP-05	
HPCS Diesel Generator Starting Air Control Valve														
2E22-F383A	83-3	E3	2.00	N	C	CV	SA	C	A	CTC	Q	RV-06	TP-05	
HPCS Diesel Generator Starting Air Check Valve														

System ID: DG — Diesel Generator

Facility: LaSalle Unit 2
System ID: DG — Diesel Generator

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
2E22-F383B	83-3	FJ	2.00	N	C	CV	SA	C	A	CTC	Q	RV-06	TP-05	

HPCS Diesel Generator Starting Air Check Valve

System ID: DG — Diesel Generator

Facility: LaSalle Unit 2
 System ID: DO -- Diesel Oil

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/Passive	Test	Test Sched	RV/RACS	Tech Pos	Notes
2DO-002	132	D6	1.50	3	C	NBC	SA	C	A	CTO	Q			
1A DG Fuel Transfer Pump Discharge Check Valve														
2DO-012	132	E4	1.50	3	C	NBC	SA	C	A	CTO	Q			
1B DG Fuel Transfer Pump Discharge Check Valve														

System ID: DO -- Diesel Oil

Facility: LaSalle Unit 2
 System ID: FC — Fuel Pool Cooling

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
2FC044A	134-2	E6	6.00	3	C	NBC	SA	C	A	CTC CTO	SAM Q	RV-1/RJ-15		
Fuel Pool Emergency Makeup Pump 2A Disch Check														
2FC044B	134-1	C6	6.00	3	C	NBC	SA	C	A	CTC CTO	SAM Q	RV-1/RJ-15		
Fuel Pool Emergency Makeup Pump 2B Disch Check														
2FC045A	134-2	E7	6.00	3	B	GT	M	C	A	E	Q			
FP Emergency Makeup Pump Manual Discharge Stop														
2FC045B	134-1	C7	6.00	3	B	GT	M	C	A	E	Q			
FP Emergency Makeup Pump Manual Discharge Stop														
2FC050A	144-1	E5	6.00	3	B	GB	M	C	A	E	Q			
FP Emergency Makeup Pump Disch to Fuel Pool Stop														
2FC050B	144-1	E8	6.00	3	B	GB	M	C	A	E	Q			
FP Emergency Makeup Pump Disch to Fuel Pool Stop														
2FC086	144-1	C2	10.00	2	A	GT	M	C	P	AT	RR		TP-04	4
RX Well Bullhead Drain Isolation Valve														
2FC113	144-1	D2	2.00	2	A	GB	M	C	P	AT	RR		TP-04	4,6
Clean Condensate to Refueling Bellows Iso Viv														
2FC114	144-1	D2	2.00	2	A	GB	M	C	P	AT	RR		TP-04	4,6
Clean Condensate to Refueling Bellows Iso Viv														
2FC115	144-1	C2	10.00	2	A	GT	M	C	P	AT	RR		TP-04	4,6
RX Well Bullhead Drain Isolation Valve														

Facility: LaSalle Unit 2
 System ID: FW — Feedwater

Valve Number	P&ID	Coord	Size	Class	Cut	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Fee	Notes
2B21-F010A	118	A6	24.00	1	AC	NBC	SA	O	A	AT CTC	RR RR	RJ-01	TP-04	1,4 1,4
RX Feedwater Inboard Check														
2B21-F010B	118	C6	24.00	1	AC	NBC	SA	O	A	AT CTC	RR RR	RJ-01	TP-04	1,4 1,4
RX Feedwater Inboard Check														
2B21-F032A	118	A6	24.00	1	AC	NBC	AO	O	A	AT CTC PIT	RR RR 2Y	RJ-01 RJ-01	TP-04	1,4 1,4 1,4
RX Feedwater Outboard Testable Check														
2B21-F032B	118	C6	24.00	1	AC	NBC	AO	O	A	AT CTC PIT	RR RR 2Y	RJ-01 RJ-01	TP-04	1,4 1,4 1,4
RX Feedwater Outboard Testable Check														
2B21-F065A	118	A5	24.00	2	A	GT	MO	O	A	AT BTC PIT	RR CS 2Y	CS-04	TP-04 TP-01	1,4 1,4 1,4
RX Feedwater Isolation Valve														
2B21-F065B	118	C5	24.00	2	A	GT	MO	O	A	AT BTC PIT	RR CS 2Y	CS-04	TP-04 TP-01	1,4 1,4 1,4
RX Feedwater Isolation Valve														

System ID: FW — Feedwater

Facility: LaSalle Unit 2
 System ID: HG --- Combustible Gas Control

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
2HG001A	130-2	F7	4.00	2	A	GT	MO	C	A	AT BTO PIT	RR Q 2Y		TP-04 TP-01	4,6 4,6 4,6
Unit 2 DW to Unit 2 Recombiner Isolation Valve														
2HG001B	130-2	E7	4.00	2	A	GT	MO	C	A	AT BTO PIT	RR Q 2Y		TP-04 TP-01	4,6 4,6 4,6
Unit 2 DW to Unit 1 Recombiner Isolation Valve														
2HG002A	130-2	F6	4.00	2	A	GB	MO	C	A	AT BTO PIT	RR Q 2Y		TP-04 TP-01	4 4 4
Unit 2 DW to Unit 2 Recombiner Isolation Valve														
2HG002B	130-2	E6	4.00	2	A	GB	MO	C	A	AT BTO PIT	RR Q 2Y		TP-04 TP-01	4 4 4
Unit 2 DW to Unit 1 Recombiner Isolation Valve														
2HG003	130-2	B6	6.00	2	B	GT	MO	O	A	BTO PIT	Q 2Y		TP-01	
Unit 2 Recombiner Crosstie Isolation Valve														
2HG005A	130-2	B7	6.00	2	A	GT	MO	C	A	AT BTO PIT	RR Q 2Y		TP-04 TP-01	4,6 4,6 4,6
Unit 2 Recombiner to Unit 2 Supp Pool Iso Valve														
2HG005B	130-2	A7	6.00	2	A	GT	MO	C	A	AT BTO PIT	RR Q 2Y		TP-04 TP-01	4,6 4,6 4,6
Unit 1 Recombiner to Unit 2 Supp Pool Iso Valve														
2HG006A	130-2	B6	6.00	2	A	GT	MO	C	A	AT BTO PIT	RR Q 2Y		TP-04 TP-01	4 4 4
Unit 2 Recombiner to Unit 2 Supp Pool Iso Valve														

Facility: LaSalle Unit 2

System ID: HG --- Combustible Gas Control

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
2HG006B	130-2	A6	6.00	2	A	GT	MO	C	A	AT BTO PIT	RR Q 2Y		TP-04 TP-01	4 4 4
Unit 1 Recombiner to Unit 2 Supp Pool Iso Valve														
2HG007	130-1	F6	4.90	2	C	CV	SA	C	A	CTO	Q			
Unit 2 DW to Unit 1 Recombiner Check Valve														
2HG009	130-2	C6	6.00	2	B	GT	MO	C	A	BTO PIT	Q 2Y		TP-01	
Unit 2 Recombiner to Unit 1 Supp Pool Iso Valve														
2HG016	130-2	F6	4.00	2	C	CV	SA	C	A	CTO	Q			
Unit 2 DW to Unit 2 Recombiner Check Valve														
2HG017A	130-2	F3	1.50	2	C	CV	SA	C	A	CTO	18Mo	RV-04		
Unit 2 RHR to Unit 2 Recmbr Spray Cooler CK Valve														
2HG017B	130-2	E3	1.50	2	C	CV	SA	C	A	CTO	18Mo	RV-04		
Unit 1 RHR to Unit 2 Recmbr Spray Cooler CK Valve														
2HG018	130-2	E4	1.50	2	B	GB	MO	C	A	BTO PIT	Q 2Y		TP-01	
Unit 1 RHR to Unit 2 Recmbr Spray Cooler Iso Valve														

System ID: HG --- Combustible Gas Control

Facility: LaSalle Unit 2

System ID: HP --- High Pressure Core Spray

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
2E22-F004	141	D5	12.00	1	A	GT	MO	C	A	AT	RR	CS-09	TP-04	4,5
										AT1	RR		TP-04	4,5
										BTC	CS		TP-01	4,5
										BTO	CS		TP-01	4,5
										PIT	2Y			4,5
HPCS Injection Line Isolation Valve														
2E22-F005	141	D6	12.00	1	AC	NSC	AO	C	A	AT1	RR	RJ-12	TP-04	5,7
										CTC	RR		5,7	
										CTO	RR		5,7	
										PIT	2Y		5,7	
										PS	CS		5,7	
HPCS Injection Line Testable Check														
2E22-F007	141	D4	0.75	2	C	NSC	SA	O/C	A	CTC	Q		TP-02	15
										CTO	Q		15	
HPCS Water Leg Pump Discharge Check														
2E22-F012	141	C3	4.00	2	A	GT	MO	C	A	AT	RR	RV-09	TP-04	4,6,8
										BTC	Q		TP-01	4,6,8
										BTO	Q		TP-01	4,6,8
										PIT	2Y			4,6,8
HPCS Pump Minimum Flow Bypass Line Iso Vlv														
2E22-F014	141	B5	1x2	2	AC	RV	SA	C	P	AT	RR		TP-04	2,4,6,8
										RT	10Y		2,4,6,8	
HPCS Water Leg Relief Valve														
2E22-F015	141	B6	18.00	2	A	GT	MO	O	A	AT	RR		TP-04	4,6,11
										BTC	Q		TP-01	4,6,11
										PIT	2Y			4,6,11
HPCS Pump Suction from Suppression Pool Iso Vlv														
2E22-F016	141	B5	24.00	2	C	CV	SA	C	A	CTO	Q			1,16
										HPCS Pump Suction from Suppression Pool Check				

System ID: HP --- High Pressure Core Spray

Facility: LaSalle Unit 2
 System ID: HP --- High Pressure Core Spray

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
2E22-F023	141	C5	12.00	2	A	GB	MO	C	A	AT	RR	CS-11	TP-04	4,8
										BTC	CS		TP-01	4,8
										PIT	2Y			4,8
										PS	Q			4,8
HPCS Full Flow Test to Suppression Pool Iso Vlv														
2E22-F024	141	C3	16.00	2	C	NSC	SA	C	A	CTC	Q			15
										CTO	Q			15
HPCS Pump Discharge Check														
2E22-F028	134-1	B6	10.00	3	C	NSC	SA	C	A	CTC	SAM	RV-1/RJ-15		
										CTO	Q			
HPCS DG Cooling Water Pump Discharge Check														
2E22-F038	M-141	D7	12.00	1	B	GT	M	LO	P	PIT	2Y			
HPCS Injection Manual Stop														
2E22-F304	2141-1	-	0.75	2	AC	EFC	SA	O	A	AT	RR	RJ-11		10
										CTC	RR			10
										PIT	2Y			10
HPCS/RX Vessel Diff Press Instr EFC														
2E22-F319	134-1	B6	4.00	3	B	MFC	M	C	A	E	Q			
										HPCS DG Cooling Water Strainer Backwash Valve				
2E22-F341	2141-1	-	0.75	2	AC	EFC	SA	O	A	AT	RR	RJ-11		9
										CTC	RR			9
										PIT	2Y			9
Supp Pool High Water Level Instr EFC														
2E22-F342	2141-1	-	0.75	2	AC	EFC	SA	O	A	AT	RR	RJ-11		9
										CTC	RR			9
										PIT	2Y			9
Supp Pool High Water Level Instr EFC														
2E22-F345	134-1	B4	.75x1.0	3	C	RV	SA	C	P	RT	10Y			2
HPCS DG Cooler Relief Valve														

System ID: HP --- High Pressure Core Spray

Facility: LaSalle Unit 2
 System ID: IA — Instrument Air

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJCS	Tech Pos	Notes
2B21-F029A	81-17	E5	0.75	3	C	NBC	8A	O/C	A	CTC	RR	RJ-06		1,15
IA Supply to MSIV Accumulator CK														
2B21-F029B	81-17	E5	0.75	3	C	NBC	8A	O/C	A	CTC	RR	RJ-06		1,15
IA Supply to MSIV Accumulator CK														
2B21-F029C	81-17	E5	0.75	3	C	NBC	8A	O/C	A	CTC	RR	RJ-06		1,15
IA Supply to MSIV Accumulator CK														
2B21-F029D	81-17	E5	0.75	3	C	NBC	8A	O/C	A	CTC	RR	RJ-06		1,15
IA Supply to MSIV Accumulator CK														
2B21-F529A	81-17	E5	0.75	3	C	NBC	8A	O/C	A	CTC	RR	RJ-07		1,15
IA Supply to Feedwater Testable CK Accumulator CK														
2B21-F529B	81-17	E5	0.75	3	C	NBC	8A	O/C	A	CTC	RR	RJ-07		1,15
IA Supply to Feedwater Testable CK Accumulator CK														

System ID: IA — Instrument Air

Facility: LaSalle Unit 2
 System ID: IN — Drywell Instrument Nitrogen

Valve Number	PAID	Coord	Size	Class	Out	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJCS	Tech Fee	Notes
2B21-F024A	66-4	F4	0.75	3	C	NSC	8A	O/C	A	CTC	RR	RJ-06		1,15
	Inbred MSIV N2 Accumulator Supply Check													
2B21-F024B	66-4	F7	0.75	3	C	NSC	8A	O/C	A	CTC	RR	RJ-06		1,15
	Inbred MSIV N2 Accumulator Supply Check													
2B21-F024C	66-4	F1	0.75	3	C	NSC	8A	O/C	A	CTC	RR	RJ-06		1,15
	Inbred MSIV N2 Accumulator Supply Check													
2B21-F024D	66-4	F3	0.75	3	C	NSC	8A	O/C	A	CTC	RR	RJ-06		1,15
	Inbred MSIV N2 Accumulator Supply Check													
2B21-F040C	66-8	C3	0.50	3	C	NSC	8A	O/C	A	CTC	RR	RJ-06		1,15
	ADS N2 Supply Check													
2B21-F040D	66-8	C7	0.50	3	C	NSC	8A	O/C	A	CTC	RR	RJ-06		1,15
	ADS N2 Supply Check													
2B21-F040E	66-4	B6	0.50	3	C	NSC	8A	O/C	A	CTC	RR	RJ-06		1,15
	ADS N2 Supply Check													
2B21-F040R	66-4	B7	0.50	3	C	NSC	8A	O/C	A	CTC	RR	RJ-06		1,15
	ADS N2 Supply Check													
2B21-F040S	66-4	B3	0.50	3	C	NSC	8A	O/C	A	CTC	RR	RJ-06		1,15
	ADS N2 Supply Check													
2B21-F040U	66-8	C5	0.50	3	C	NSC	8A	O/C	A	CTC	RR	RJ-06		1,15
	ADS N2 Supply Check													
2B21-F040V	66-4	B1	0.50	3	C	NSC	8A	O/C	A	CTC	RR	RJ-06		1,15
	ADS N2 Supply Check													
21N001A	66-3	F6	2.00	2	A	GB	AO	O	A	AT BTC FST MIT	RR RR RR 2Y	RJ-03 RJ-03	TP-04 TP-01	1,4,6 1,4,6 1,4,6 1,4,6
	DW Section Iso Vlv													

System ID: IN — Drywell Instrument Nitrogen

Facility: LaSalle Unit 2
 System ID: IN — Drywell Instrument Nitrogen

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
21N001B	66-3	F7	2.00	2	A	GB	AO	O	A	AT	RR		TP-04	1,4
										BTC	RR	RJ-03	TP-01	1,4
										FST	RR	RJ-03		1,4
										PIT	2Y			1,4
DW Section Iso Vlv														
21N017	66-3	B3	1.50	2	A	GB	AO	O	A	AT	RR		TP-04	1,4
										BTC	RR	RJ-03	TP-01	1,4
										FST	RR	RJ-03		1,4
										PIT	2Y			1,4
DW N2 Purge Iso Vlv														
21N018	66-3	B3	2.00	2	AC	NSC	SA	O/C	A	AT	RR		TP-04	1,4
										CTC	RR	RJ-03		1,4
DW N2 to DW Check														
21N031	66-3	B5	0.75	2	A	GB	SO	O	A	AT	RR		TP-04	1,4,6
										BTC	RR	RJ-03	TP-01	1,4,6
										FST	RR	RJ-03		1,4,6
										PIT	2Y			1,4,6
TIP Isolater N2 Purge Iso Vlv														
21N043	66-7	D1	1.00	3	C	NSC	SA	O/C	A	CTC	RR	RJ-03		15
										ADS N2 Supply from Comp Check				
21N044	66-7	D4	1.00	3	C	NSC	SA	O/C	A	CTC	RR	RJ-03		15
										ADS N2 Supply from Comp Check				
21N045	66-7	E3	1x2	3	C	RV	SA	C	P	RT	10Y			
										ADS N2 Header Relief Valve				
21N046	66-7	E2	1x2	3	C	RV	SA	C	P	RT	10Y			
										ADS N2 Header Relief Valve				

System ID: IN — Drywell Instrument Nitrogen

Facility: LaSalle Unit 2
 System ID: IN — Drywell Instrument Nitrogen

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CB	Tech Pos	Notes
2IN074	66-3	E3	1.50	2	A	GB	AO	O	A	AT	RR		TP-04	1,4,6
										BTC	RR	RJ-03	TP-01	1,4,6
										PST	RR	RJ-03		1,4,6
										PTT	2Y			1,4,6
DW N2 Purge Containment Iso Vlv														
2IN075	66-3	E3	1.50	2	A	GB	AO	O	A	AT	RR		TP-04	1,4
										BTC	RR	RJ-03	TP-01	1,4
										PST	RR	RJ-03		1,4
										PTT	2Y			1,4
DW N2 Purge Containment Iso Vlv														
2IN100	66-7	C3	1.00	2	B	GB	BO	O	A	BTC	RR	RJ-03	TP-01	1
										PST	RR	RJ-03		1
										PTT	2Y			1
ADS N2 Supply to DW Iso Vlv														
2IN101	66-7	C2	1.00	2	B	GB	BO	O	A	BTC	RR	RJ-03	TP-01	1
										PST	RR	RJ-03		1
										PTT	2Y			1
ADS N2 Supply to DW Iso Vlv														

System ID: IN — Drywell Instrument Nitrogen

Facility: LaSalle Unit 2
 System ID: LP — Low Pressure Core Spray

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
2E21-F001	140	B6	24.00	2	A	GT	MO	O	A	AT	RR		TP-04	4,6,11
										BTC	Q		TP-01	4,6,11
										PIT	2Y			4,6,11
LPCS Suppression Pool Suction Isolation														
2E21-F003	140	C2	16.00	2	C	NSC	SA	C	A	CTC	Q			15
										CTO	Q			15
LPCS Pump Discharge Check														
2E21-F005	140	D6	12.00	1	A	GT	MO	C	A	AT	RR		TP-04	1,4,5
										AT1	RR		TP-04	1,4,5
										BTC	CS	CS-02	TP-01	1,4,5
										BTO	CS	CS-02	TP-01	1,4,5
										PIT	2Y			1,4,5
LPCS Injection Line Outboard Isolation														
2E21-F006	140	C6	12.00	1	AC	NSC	AO	C	A	AT1	RR		TP-04	1,5,7
										CTC	RR	RJ-12		1,5,7
										CTO	RR	RJ-12		1,5,7
										PIT	2Y			1,5,7
										PS	CS	RJ-12		1,5,7
LPCS Injection Line Inboard Check														
2E21-F011	140	C3	4.00	2	A	GT	MO	O	A	AT	RR		TP-04	4,6,8
										BTC	Q		TP-01	4,6,8
										BTO	Q		TP-01	4,6,8
										PIT	2Y			4,6,8
LPCS Min Flow Bypass Isolation														
2E21-F012	140	C5	14.00	2	A	GB	MO	C	A	AT	RR		TP-04	4
										BTC	CS	CS-11	TP-01	4
										PIT	2Y			4
										PS	Q			4
LPCS Full Flow Test Valve														
2E21-F018	140	D5	3x4	2	AC	RV	SA	C	P	AT	RR		TP-04	2,4,6,8
										RT	10Y			2,4,6,8
LPCS Pump Discharge Relief Valve														

System ID: LP — Low Pressure Core Spray

Facility: LaSalle Unit 2
 System ID: LP — Low Pressure Core Spray

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
2E21-F031	140	B4	1x2	2	AC	RV	SA	C	P	AT RT	RR 10Y		TP-04	2,4,6,8 2,4,6,8
LPCS Water Leg Pump Relief Valve														
2E21-F033	140	C3	0.75	2	C	NSC	SA	O/C	A	CTC CTO	Q Q		TP-02 TP-02	15 15
LPCS Water Leg Pump Discharge Check														
2E21-F051	M-140	D7	12.00	1	B	GT	M	LO	P	PIT	2Y			
LPCS Injection Manual Stop														
2E21-F304	2140-1	-	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
LPCS - RHR Differential Pressure EPC														

System ID: LP — Low Pressure Core Spray

Facility: LaSalle Unit 2

System ID: MC — Clean Condensate Storage

Valve Number	PAID	Coord	Size	Class	Ctrl	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/EL/CS	Tech Fee	Notes
2MC827	75-4	C8	3.00	2	A	GT	M	LC	P	AT	RR		TP-04	13
Clean Condensate Storage Supply to DW Iso Vlv														

2MC833	75-4	C8	3.00	3	A	GT	M	LC	P	AT	RR		TP-04	13
Clean Condensate Storage Supply to DW Iso Vlv														

System ID: MC — Clean Condensate Storage

Facility: LaSalle Unit 2
 System ID: MS — Main Steam

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJCS	Tech Pos	Notes
2B21-F013A	116-1	D3	8x10	1	C	SRV	AO	C	P	RT	5Y			2
Main Steam Line D Safety Relief Valve														
2B21-F013B	116-1	C3	8x10	1	C	SRV	AO	C	P	RT	5Y			2
Main Steam Line A Safety Relief Valve														
2B21-F013C	116-1	E2	8x10	1	C	SRV	AO	C	A	E RT	RR 5Y			2 2
Main Steam Line C Safety Relief Valve														
2B21-F013D	116-1	B2	8x10	1	C	SRV	AO	C	A	E RT	RR 5Y			2 2
Main Steam Line B Safety Relief Valve														
2B21-F013E	116-1	E3	8x10	1	C	SRV	AO	C	A	E RT	RR 5Y			2 2
Main Steam Line C Safety Relief Valve														
2B21-F013F	116-1	B3	8x10	1	C	SRV	AO	C	P	RT	5Y			2
Main Steam Line B Safety Relief Valve														
2B21-F013G	116-1	D6	8x10	1	C	SRV	AO	C	P	RT	5Y			2
Main Steam Line D Safety Relief Valve														
2B21-F013H	116-1	D4	8x10	1	C	SRV	AO	C	P	RT	5Y			2
Main Steam Line D Safety Relief Valve														
2B21-F013J	116-1	C4	8x10	1	C	SRV	AO	C	P	RT	5Y			2
Main Steam Line A Safety Relief Valve														
2B21-F013K	116-1	B4	8x10	1	C	SRV	AO	C	P	RT	5Y			2
Main Steam Line B Safety Relief Valve														
2B21-F013L	116-1	E6	8x10	1	C	SRV	AO	C	P	RT	5Y			2
Main Steam Line C Safety Relief Valve														
2B21-F013M	116-1	B7	8x10	1	C	SRV	AO	C	P	RT	5Y			2
Main Steam Line B Safety Relief Valve														

System ID: MS — Main Steam

Facility: LaSalle Unit 2
 System ID: MS — Main Steam

Valve Number	PAID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/SL/CS	Tech Pos	Notes
2B21-F013N	116-1	E7	8x10	1	C	SRV	AO	C	P	RT	5Y			2
Main Steam Line C Safety Relief Valve														
2B21-F013P	116-1	C6	8x10	1	C	SRV	AO	C	P	RT	5Y			2
Main Steam Line A Safety Relief Valve														
2B21-F013R	116-1	E5	8x10	1	C	SRV	AO	C	A	E RT	RR 5Y			2 2
Main Steam Line C Safety Relief Valve														
2B21-F013S	116-1	B6	8x10	1	C	SRV	AO	C	A	E RT	RR 5Y			2 2
Main Steam Line B Safety Relief Valve														
2B21-F013U	116-1	D7	8x10	1	C	SRV	AO	C	A	E RT	RR 5Y			2 2
Main Steam Line D Safety Relief Valve														
2B21-F013V	116-1	C7	8x10	1	C	SRV	AO	C	A	E RT	RR 5Y			2 2
Main Steam Line A Safety Relief Valve														
2B21-F016	116-7	B7	3.00	1	A	GT	MO	O	A	AT BTC PIT	RR Q 2Y		TP-04 TP-01	4,6 4,6 4,6
Main Steam Inboard Drain Line Isolation Valve														
2B21-F019	116-7	B6	3.00	1	A	GT	MO	O	A	AT BTC PIT	RR Q 2Y		TP-04 TP-01	4,6 4,6 4,6
Main Steam Outboard Drain Line Isolation Valve														
2B21-F022A	116-2	C6	26.00	1	A	GB	AO	O	A	AT BTC PST PIT PS	RR CS RR 2Y Q	CS-08 RJ-09	TP-04 TP-01	1,4,6,12 1,4,6,12 1,4,6,12 1,4,6,12 1,4,6,12
Main Steam Line A Inboard Isolation Valve (MSIV)														

System ID: MS — Main Steam

Facility: LaSalle Unit 2
 System ID: MS — Main Steam

Valve Number	PAID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
2B21-F022B	116-2	B6	26.00	1	A	GB	AO	O	A	AT	RR	CS-08 RJ-09	TP-04 TP-01	1,4,6,12
										BTC	CS			1,4,6,12
										FST	RR			1,4,6,12
										PIT	2Y			1,4,6,12
										PS	Q			1,4,6,12
Main Steam Line B Inboard Isolation Valve (MSIV)														
2B21-F022C	116-2	F6	26.00	1	A	GB	AO	O	A	AT	RR	CS-08 RJ-09	TP-04 TP-01	1,4,6,12
										BTC	CS			1,4,6,12
										FST	RR			1,4,6,12
										PIT	2Y			1,4,6,12
										PS	Q			1,4,6,12
Main Steam Line C Inboard Isolation Valve (MSIV)														
2B21-F022D	116-2	D6	26.00	1	A	GB	AO	O	A	AT	RR	CS-08 RJ-09	TP-04 TP-01	1,4,6,12
										BTC	CS			1,4,6,12
										FST	RR			1,4,6,12
										PIT	2Y			1,4,6,12
										PS	Q			1,4,6,12
Main Steam Line D Inboard Isolation Valve (MSIV)														
2B21-F028A	116-2	C4	26.00	1	A	GB	AO	O	A	AT	RR	CS-08 CS-08	TP-04 TP-01	1,4,12
										BTC	CS			1,4,12
										FST	CS			1,4,12
										PIT	2Y			1,4,12
										PS	Q			1,4,12
Main Steam Line A Outboard Isolation Valve (MSIV)														
2B21-F028B	116-2	B4	26.00	1	A	GB	AO	O	A	AT	RR	CS-08 CS-08	TP-04 TP-01	1,4,12
										BTC	CS			1,4,12
										FST	CS			1,4,12
										PIT	2Y			1,4,12
										PS	Q			1,4,12
Main Steam Line B Outboard Isolation Valve (MSIV)														

System ID: MS — Main Steam

Facility: LaSalle Unit 2
 System ID: MS --- Main Steam

Valve Number	PAID	Coord	Shc	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/C	Tech Pos	Notes	
2B21-F028C	116-2	F4	26.00	1	A	GB	AO	O	A	AT	RR	CS-08	TP-04	1,4,12	
										BTC	CS			TP-01	1,4,12
										FST	CS			CS-08	1,4,12
										PIT	2Y			1,4,12	
										PS	Q			1,4,12	
Main Steam Line C Outboard Isolation Valve (MSIV)															
2B21-F028D	116-2	D4	26.00	1	A	GB	AO	O	A	AT	RR	CS-08	TP-04	1,4,12	
										BTC	CS			TP-01	1,4,12
										FST	CS			CS-08	1,4,12
										PIT	2Y			1,4,12	
										PS	Q			1,4,12	
Main Steam Line D Outboard Isolation Valve (MSIV)															
2B21-F037A1	138-1	C4	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02			
Safety Relief Valve Discharge Line Vacuum Breaker															
2B21-F037A2	138-1	C4	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02			
Safety Relief Valve Discharge Line Vacuum Breaker															
2B21-F037B1	138-1	C4	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02			
Safety Relief Valve Discharge Line Vacuum Breaker															
2B21-F037B2	138-1	C4	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02			
Safety Relief Valve Discharge Line Vacuum Breaker															
2B21-F037C1	138-1	C4	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02			
Safety Relief Valve Discharge Line Vacuum Breaker															
2B21-F037C2	138-1	C4	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02			
Safety Relief Valve Discharge Line Vacuum Breaker															
2B21-F037D1	138-1	C4	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02			
Safety Relief Valve Discharge Line Vacuum Breaker															
2B21-F037D2	138-1	C4	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02			
Safety Relief Valve Discharge Line Vacuum Breaker															

System ID: MS --- Main Steam

Facility: LaSalle Unit 2
 System ID: MS — Main Steam

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
2B21-F037E1	138-1	C4	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02		
	Safety Relief Valve Discharge Line Vacuum Breaker													
2B21-F037E2	138-1	C4	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02		
	Safety Relief Valve Discharge Line Vacuum Breaker													
2B21-F037F1	138-1	C4	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02		
	Safety Relief Valve Discharge Line Vacuum Breaker													
2B21-F037F2	138-1	C4	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02		
	Safety Relief Valve Discharge Line Vacuum Breaker													
2B21-F037G1	138-1	C4	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02		
	Safety Relief Valve Discharge Line Vacuum Breaker													
2B21-F037G2	138-1	C4	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02		
	Safety Relief Valve Discharge Line Vacuum Breaker													
2B21-F037H1	138-1	C6	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02		
	Safety Relief Valve Discharge Line Vacuum Breaker													
2B21-F037H2	138-1	C6	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02		
	Safety Relief Valve Discharge Line Vacuum Breaker													
2B21-F037J1	138-1	C6	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02		
	Safety Relief Valve Discharge Line Vacuum Breaker													
2B21-F037J2	138-1	C6	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02		
	Safety Relief Valve Discharge Line Vacuum Breaker													
2B21-F037K1	138-1	C5	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02		
	Safety Relief Valve Discharge Line Vacuum Breaker													
2B21-F037K2	138-1	C5	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02		
	Safety Relief Valve Discharge Line Vacuum Breaker													
2B21-F037L1	138-1	C5	6.00	3	C	CV	SA	C	A	CTO	RR	RJ-02		
	Safety Relief Valve Discharge Line Vacuum Breaker													

System ID: MS — Main Steam

Facility: LaSalle Unit 2
 System ID: MS — Main Steam

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Yech Pos	Notes
2B21-F037L2	138-1	C5	6.00	3	C	CV	8A	C	A	CTO	RR	RJ-02		Safety Relief Valve Discharge Line Vacuum Breaker
2B21-F037M1	138-1	C6	6.00	3	C	CV	8A	C	A	CTO	RR	RJ-02		Safety Relief Valve Discharge Line Vacuum Breaker
2B21-F037M2	138-1	C6	6.00	3	C	CV	8A	C	A	CTO	RR	RJ-02		Safety Relief Valve Discharge Line Vacuum Breaker
2B21-F037N1	138-1	C6	6.00	3	C	CV	8A	C	A	CTO	RR	RJ-02		Safety Relief Valve Discharge Line Vacuum Breaker
2B21-F037N2	138-1	C6	6.00	3	C	CV	8A	C	A	CTO	RR	RJ-02		Safety Relief Valve Discharge Line Vacuum Breaker
2B21-F037P1	138-1	C5	6.00	3	C	CV	8A	C	A	CTO	RR	RJ-02		Safety Relief Valve Discharge Line Vacuum Breaker
2B21-F037P2	138-1	C5	6.00	3	C	CV	8A	C	A	CTO	RR	RJ-02		Safety Relief Valve Discharge Line Vacuum Breaker
2B21-F037R1	138-1	C5	6.00	3	C	CV	8A	C	A	CTO	RR	RJ-02		Safety Relief Valve Discharge Line Vacuum Breaker
2B21-F037R2	138-1	C5	6.00	3	C	CV	8A	C	A	CTO	RR	RJ-02		Safety Relief Valve Discharge Line Vacuum Breaker
2B21-F03781	138-1	C5	6.00	3	C	CV	8A	C	A	CTO	RR	RJ-02		Safety Relief Valve Discharge Line Vacuum Breaker
2B21-F037S2	138-1	C5	6.00	3	C	CV	8A	C	A	CTO	RR	RJ-02		Safety Relief Valve Discharge Line Vacuum Breaker
2B21-F037U1	138-1	C5	6.00	3	C	CV	8A	C	A	CTO	RR	RJ-02		Safety Relief Valve Discharge Line Vacuum Breaker
2B21-F037U2	138-1	C5	6.00	3	C	CV	8A	C	A	CTO	RR	RJ-02		Safety Relief Valve Discharge Line Vacuum Breaker

System ID: MS — Main Steam

Facility: LaSalle Unit 2
 System ID: MS — Main Steam

Valve Number	PAID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
2B21-F037V1	138-1	C5	6.00	3	C	CV	8A	C	A	CTO	RR	RJ-02		
Safety Relief Valve Discharge Line Vacuum Breaker														
2B21-F037V2	138-1	C5	6.00	3	C	CV	8A	C	A	CTO	RR	RJ-02		
Safety Relief Valve Discharge Line Vacuum Breaker														
2B21-F067A	116-7	E6	1.50	1	A	GT	MO	C	A	AT BTC PIT	RR Q 2Y		TP-04 TP-01	4,12 4,12 4,12
Main Steam Line A Drain Line Outboard Iso Valve														
2B21-F067B	116-7	E5	1.50	1	A	GT	MO	C	A	AT BTC PIT	RR Q 2Y		TP-04 TP-01	4,12 4,12 4,12
Main Steam Line B Drain Line Outboard Iso Valve														
2B21-F067C	116-7	E7	1.50	1	A	GT	MO	C	A	AT BTC PIT	RR Q 2Y		TP-04 TP-01	4,12 4,12 4,12
Main Steam Line C Drain Line Outboard Iso Valve														
2B21-F067D	116-7	E6	1.50	1	A	GT	MO	C	A	AT BTC PIT	RR Q 2Y		TP-04 TP-01	4,12 4,12 4,12
Main Steam Line D Drain Line Outboard Iso Valve														
2B21-F325A	2116-4	--	0.75	2	AC	EPC	8A	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
MSIV Logic Instrument Excess Flow Check Valve														
2B21-F325B	2116-5	--	0.75	2	AC	EPC	8A	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
MSIV Logic Instrument Excess Flow Check Valve														

System ID: MS — Main Steam

Facility: LaSalle Unit 2
 System ID: MS — Main Steam

Valve Number	PAID	Coord	Size	Class	Cnt	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	NV/R/LCS	Tech Pos	Notes
2B21-F325C	2116-6	-	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
MSIV Logic Instrument Excess Flow Check Valve														
2B21-F325D	2116-7	-	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		0 0 0
MSIV Logic Instrument Excess Flow Check Valve														
2B21-F326A	2116-4	-	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
MSIV Logic Instrument Excess Flow Check Valve														
2B21-F326B	2116-5	-	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
MSIV Logic Instrument Excess Flow Check Valve														
2B21-F326C	2116-6	-	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
MSIV Logic Instrument Excess Flow Check Valve														
2B21-F326D	2116-7	-	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
MSIV Logic Instrument Excess Flow Check Valve														
2B21-F327A	2116-4	-	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
MSIV Logic Instrument Excess Flow Check Valve														

System ID: MS — Main Steam

Facility: LaSalle Unit 2
 System ID: MS — Main Steam

Valve Number	P&ID	Coord	Size	Class	Cont	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
2B21-F	2116-5	-	0.75	2	AC	EPC	8A	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
MSIV Logic Instrument Excess Flow Check Valve														
2B21-F327C	2116-6	-	0.75	2	AC	EPC	8A	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
MSIV Logic Instrument Excess Flow Check Valve														
2B21-F327D	2116-7	-	0.75	2	AC	EPC	8A	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
MSIV Logic Instrument Excess Flow Check Valve														
2B21-F328A	2116-4	-	0.75	2	AC	EPC	8A	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
MSIV Logic Instrument Excess Flow Check Valve														
2B21-F328B	2116-5	-	0.75	2	AC	EPC	8A	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
MSIV Logic Instrument Excess Flow Check Valve														
2B21-F328C	2116-6	-	0.75	2	AC	EPC	8A	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
MSIV Logic Instrument Excess Flow Check Valve														
2B21-F328D	2116-7	-	0.75	2	AC	EPC	8A	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
MSIV Logic Instrument Excess Flow Check Valve														

System ID: MS — Main Steam

Facility: LaSalle Unit 2
 System ID: MS — Main Steam

Valve Number	P&ID	Coord	Size	Class	Out	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
2B21-F413A	2147-1	--	0.75	2	AC	EPC	8A	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
RCIC Main Steam Leak Detection Excess Flow Check														
2B21-F413B	2147-1	--	0.75	2	AC	EPC	8A	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
RCIC Main Steam Leak Detection Excess Flow Check														
2B21-F415A	2147-1	--	0.75	2	AC	EPC	8A	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
RCIC Main Steam Leak Detection Excess Flow Check														
2B21-F415B	2147-1	--	0.75	2	AC	EPC	8A	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
RCIC Main Steam Leak Detection Excess Flow Check														
2E32-F001A	116-8	F3	2.50	1	A	GT	MO	C	A	AT BTC BTO PIT	RR CS CS 2Y	CS-07 CS-07	TP-04 TP-01 TP-01	1,4,12 1,4,12 1,4,12 1,4,12
Main Steam Line A Leakage Control Inbrd Iso Valve														
2E32-F001E	116-8	E3	0.50	1	A	GT	MO	C	A	AT BTC BTO PIT	RR CS CS 2Y	CS-07 CS-07	TP-04 TP-01 TP-01	1,4,12 1,4,12 1,4,12 1,4,12
Main Steam Line B Leakage Control Inbrd Iso Valve														
2E32-F001J	116-8	C3	2.50	1	A	GT	MO	C	A	AT BTC BTO PIT	RR CS CS 2Y	CS-07 CS-07	TP-04 TP-01 TP-01	1,4,12 1,4,12 1,4,12 1,4,12
Main Steam Line C Leakage Control Inbrd Iso Valve														

System ID: MS — Main Steam

Facility: LaSalle Unit 2
 System ID: MS — Main Steam

Valve Number	PAID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
2E32-F001N	116-8	C3	2.50	1	A	GT	MO	C	A	AT BTC BTO PIT	RR CS CS 2Y	CS-07 CS-07	TP-04 TP-01 TP-01	1,4,12 1,4,12 1,4,12 1,4,12
Main Steam Line D Leakage Control Inbrd Iso Valve														
2E32-F002A	116-8	F3	2.50	2	B	GT	MO	C	A	BTO PIT	CS 2Y	CS-07	TP-01	1 1
Main Steam Line A Leakage Control System Iso Valve														
2E32-F002E	116-8	E3	2.50	2	B	GT	MO	C	A	BTO PIT	CS 2Y	CS-07	TP-01	1 1
Main Steam Line B Leakage Control System Iso Valve														
2E32-F002J	116-8	D3	2.50	2	B	GT	MO	C	A	BTO PIT	CS 2Y	CS-07	TP-01	1 1
Main Steam Line C Leakage Control System Iso Valve														
2E32-F002N	116-8	C3	2.50	2	B	GT	MO	C	A	BTO PIT	CS 2Y	CS-07	TP-01	1 1
Main Steam Line D Leakage Control System Iso Valve														
2E32-F003A	116-8	F4	2.00	2	B	GB	MO	C	A	BTO PIT	CS 2Y	CS-07	TP-01	1 1
Main Steam Line A LCS Blowdown Valve														
2E32-F003E	116-8	D4	2.00	2	B	GB	MO	C	A	BTO PIT	CS 2Y	CS-07	TP-01	1 1
Main Steam Line B LCS Blowdown Valve														
2E32-F003J	116-8	C4	2.00	2	B	GB	MO	C	A	BTO PIT	CS 2Y	CS-07	TP-01	1 1
Main Steam Line C LCS Blowdown Valve														
2E32-F003N	116-8	B4	3.00	2	B	GT	MO	C	A	BTO PIT	CS 2Y	CS-07	TP-01	1 1
Main Steam Line D LCS Blowdown Valve														

System ID: MS — Main Steam

Facility: LaSalle Unit 2
 System ID: MS --- Main Steam

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
2E32-F006	116-8	B3	2.50	2	E	GT	MO	C	A	BTC	CS	CS-07	TP-01	1
										BTO	CS	CS-07	TP-01	1
										PIT	2Y			1
Main Steam LCS Bleed Valve														
2E32-F007	116-8	B4	2.50	2	B	GT	MO	C	A	BTC	CS	CS-07	TP-01	1
										BTO	CS	CS-07	TP-01	1
										PIT	2Y			1
Main Steam LCS Bleed Valve														
2E32-F008	116-8	A4	2.00	2	B	GB	MO	C	A	BTC	CS	CS-07	TP-01	1
										BTO	CS	CS-07	TP-01	1
										PIT	2Y			1
Main Steam LCS Blowdown Valve														
2E32-F009	116-8	A4	2.00	2	B	GB	MO	C	A	BTC	CS	CS-07	TP-01	1
										BTO	CS	CS-07	TP-01	1
										PIT	2Y			1
Main Steam LCS Blowdown Valve														
2E32-F010	116-8	E7	0.75	2	C	CV	SA	C	A	CTC	SAM	RJ-04		RV-01
										CTO	SAM	RJ-04		RV-01
										MSIV-LCS LP Manifold Drain Line Check Valve				
2E32-F011	116-8	A6	0.75	2	C	CV	SA	C	A	CTC	SAM	RJ-04		RV-01
										CTO	SAM	RJ-04		RV-01
										MSIV-LCS Downstream Exhaust Blower Check Valve				
2E32-F310A	116-8	F4	0.75	2	C	CV	SA	C	A	CTC	SAM	RJ-04		RV-01
										CTO	SAM	RJ-04		RV-01
										MSIV-LCS Upstream Exhaust Blower Check Valve				
2E32-F310B	116-8	E4	0.75	2	C	CV	SA	C	A	CTC	SAM	RJ-04		RV-01
										CTO	SAM	RJ-04		RV-01
										MSIV-LCS Upstream Exhaust Blower Check Valve				

System ID: MS --- Main Steam

Facility: LaSalle Unit 2
 System ID: MS — Main Steam

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
2E32-F310C	116-8	D4	0.75	2	C	CV	SA	C	A	CTC CTO	SAM SAM	RJ-04 RJ-04		RV-01 RV-01
MSIV-LCS Upstream Exhaust Blower Check Valve														
2E32-F310D	116-8	C4	0.75	2	C	CV	SA	C	A	CTC CTO	SAM SAM	RJ-04 RJ-04		RV-01 RV-01
MSIV-LCS Upstream Exhaust Blower Check Valve														

System ID: MS — Main Steam

Facility: LaSalle Unit 2
 System ID: NB -- Nuclear Boiler

Valve Number	PAID	Coord	Size	Class	Out	Valve Type	Act Type	Normal Pos	Active/Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
2B21-F344	139-3	B3	0.75	2	AC	EPC	SA	O	A	AT CTC PTI	RR RR 2Y	RJ-11		10 10 10
Jet Pump Pressure EPC														
2B21-F346	139-3	B6	0.75	2	AC	EPC	SA	O	A	AT CTC PTI	RR RR 2Y	RJ-11		10 10 10
RPV Bottoms Head Drain Flow EPC														
2B21-F348	139-3	A6	0.75	2	AC	EPC	SA	O	A	AT CTC PTI	RR RR 2Y	RJ-11		10 10 10
RPV/HPCS dP EPC														
2B21-F350	139-3	A6	0.75	2	AC	EPC	SA	O	A	AT CTC PTI	RR RR 2Y	RJ-11		10 10 10
Core dP EPC														
2B21-F353	139-4	A5	0.75	2	AC	EPC	SA	O	A	AT CTC PTI	RR RR 2Y	RJ-11		10 10 10
RPV Level and Pressure EPC														
2B21-F355	139-4	B5	0.75	2	AC	EPC	SA	O	A	AT CTC PTI	RR RR 2Y	RJ-11		10 10 10
RPV Level and Pressure EPC														
2B21-F357	139-4	D5	0.75	2	AC	EPC	SA	O	A	AT CTC PTI	RR RR 2Y	RJ-11		10 10 10
RPV Level and Pressure EPC														

Facility: LaSalle Unit 2
 System ID: NB — Nuclear Boiler

Valve Number	P&ID	Coord	Blow	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
2B21-F359	139-4	C5	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
RPV Level and Pressure EPC														
2B21-F361	139-4	D5	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
RPV Level and Pressure EPC														
2B21-F363	139-4	C5	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
RPV Level and Pressure EPC														
2B21-F365	139-4	E5	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		9 9 9
Drywell Pressure EPC														
2B21-F367	139-4	A5	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		9 9 9
Drywell Pressure EPC														
2B21-F370	139-5	A6	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
RPV Level and Pressure EPC														
2B21-F372	139-5	C6	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
RPV Level and Pressure EPC														

System ID: NB — Nuclear Boiler

Facility: LaSalle Unit 2
 System ID: NB — Nuclear Boiler

Valve Number	FAID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/PCB	Toch Pos	Notes
2B21-F374	139-5	D6	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
RPV Level and Pressure EPC														
2B21-F376	139-5	B6	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
RPV Level and Pressure EPC														
2B21-F378	139-5	B6	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
RPV Level and Pressure EPC														
2B21-F380	139-5	A6	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		9 9 9
Drywell Pressure EPC														
2B21-F382	139-5	F6	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		9 9 9
Drywell Pressure EPC														
2B21-F437	139-3	E3	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Jet Pump Flow EPC														
2B21-F439	139-3	E3	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Jet Pump Flow EPC														

System ID: NB — Nuclear Boiler

Facility: LaSalle Unit 2
 System ID: NB — Nuclear Boiler

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
2B21-F441	139-3	D3	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Jet Pump Flow EPC														
2B21-F443	139-3	D3	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Jet Pump Flow EPC														
2B21-F445A	139-3	D3	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Jet Pump Flow EPC														
2B21-F445B	139-3	D3	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Jet Pump Flow EPC														
2B21-F447	139-3	C3	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Jet Pump Flow EPC														
2B21-F449	139-3	C3	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Jet Pump Flow EPC														
2B21-F451	139-3	C3	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Jet Pump Flow EPC														

System ID: NB — Nuclear Boiler

Facility: LaSalle Unit 2
 System ID: NB — Nuclear Boiler

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
2B21-F453	139-3	C3	0.75	2	AC	EPC	SA	O	A	AT CTC PTT	RR RR 2Y	RJ-11		10 10 10
Jet Pump Flow EPC														
2B21-F455A	139-3	B3	0.75	2	AC	EPC	SA	O	A	AT CTC PTT	RR RR 2Y	RJ-11		10 10 10
Jet Pump Flow EPC														
2B21-F455B	139-3	B3	0.75	2	AC	EPC	SA	O	A	AT CTC PTT	RR RR 2Y	RJ-11		10 10 10
Jet Pump Flow EPC														
2B21-F457	139-3	E6	0.75	2	AC	EPC	SA	O	A	AT CTC PTT	RR RR 2Y	RJ-11		10 10 10
Jet Pump Flow EPC														
2B21-F459	139-3	E6	0.75	2	AC	EPC	SA	O	A	AT CTC PTT	RR RR 2Y	RJ-11		10 10 10
Jet Pump Flow EPC														
2B21-F461	139-3	D6	0.75	2	AC	EPC	SA	O	A	AT CTC PTT	RR RR 2Y	RJ-11		10 10 10
Jet Pump Flow EPC														
2B21-F463	139-3	D6	0.75	2	AC	EPC	SA	O	A	AT CTC PTT	RR RR 2Y	RJ-11		10 10 10
Jet Pump Flow EPC														

System ID: NB — Nuclear Boiler

Facility: LaSalle Unit 2
 System ID: NB — Nuclear Boiler

Valve Number	P&ID	Coord	Size	Class	Mat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CB	Tech Pos	Notes
2B21-F465A	139-3	D6	0.75	2	AC	EPC	SA	O	A	AT CTC MIT	RR RR 2Y	RJ-11		10 10 10
Jet Pump Flow EPC														
2B21-F465B	139-3	D6	0.75	2	AC	EPC	SA	O	A	AT CTC MIT	RR RR 2Y	RJ-11		10 10 10
Jet Pump Flow EPC														
2B21-F467	139-3	C6	0.75	2	AC	EPC	SA	O	A	AT CTC MIT	RR RR 2Y	RJ-11		10 10 10
Jet Pump Flow EPC														
2B21-F469	139-3	C6	0.75	2	AC	EPC	SA	O	A	AT CTC MIT	RR RR 2Y	RJ-11		10 10 10
Jet Pump Flow EPC														
2B21-F471	139-3	C6	0.75	2	AC	EPC	SA	O	A	AT CTC MIT	RR RR 2Y	RJ-11		10 10 10
Jet Pump Flow EPC														
2B21-F473	139-3	C6	0.75	2	AC	EPC	SA	O	A	AT CTC MIT	RR RR 2Y	RJ-11		10 10 10
Jet Pump Flow EPC														
2B21-F475A	139-3	B6	0.75	2	AC	EPC	SA	O	A	AT CTC MIT	RR RR 2Y	RJ-11		10 10 10
Jet Pump Flow EPC														

System ID: NB — Nuclear Boiler

Facility: LaSalle Unit 2
 System ID: NB — Nuclear Boiler

Valve Number	P&ID	Coord	Size	Class	Out	Valve Type	Act Type	Normal Pos	Active/Passive	Test	Test Sched	RV/RJCS	Tech Pos	Notes
2B21-F475B	139-3	B6	0.75	2	AC	EPC	SA	O	A	AT CTC MT	RR RR 2Y	RJ-11		10 10 10
Jet Pump Flows EPC														
2B21-F570	139-4	C5	0.75	2	AC	EPC	SA	O	A	AT CTC MT	RR RR 2Y	RJ-11		10 10 10
RPV Level and Pressure EPC														
2B21-F571	139-5	B6	0.75	2	AC	EPC	SA	O	A	AT CTC MT	RR RR 2Y	RJ-11		10 10 10
Drywell Pressure EPC														

Facility: LaSalle Unit 2
 System ID: NR -- Neutron Monitoring

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RUCS	Tech Pos	Notes
2CS1-J004A	0774-04	D6	0.38	N	A	BV	SO	C	A	AT BTC PST MIT	RR Q Q 2Y		TP-04 TP-01	
TIP Guide Tube Ball Valve														
2CS1-J004B	0774-04	D6	0.38	N	A	BV	SO	C	A	AT BTC PST MIT	RR Q Q 2Y		TP-04 TP-01	
TIP Guide Tube Ball Valve														
2CS1-J004C	0774-04	C6	0.38	N	A	BV	SO	C	A	AT BTC PST MIT	RR Q Q 2Y		TP-04 TP-01	
TIP Guide Tube Ball Valve														
2CS1-J004D	0774-04	C6	0.38	N	A	BV	SO	C	A	AT BTC PST MIT	RR Q Q 2Y		TP-04 TP-01	
TIP Guide Tube Ball Valve														
2CS1-J004E	0774-04	D6	0.38	N	A	BV	SO	C	A	AT BTC PST MIT	RR Q Q 2Y		TP-04 TP-01	
TIP Guide Tube Ball Valve														

System ID: NR -- Neutron Monitoring

Facility: LaSalle Unit 2
 System ID: PC — Primary Containment Purge

Valve Number	P&ID	Coord	Site	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/BJCS	Tech Pos	Notes
2PC001A	138-2	D6	24.00	2	C	CV	8A	C	A	CTC	M	RV-05		15
										CTO	RR			15
										E	M			15
										PIT	2Y			15
Containment Vacuum Breaker														
2PC001B	138-2	E6	24.00	2	C	CV	8A	C	A	CTC	M	RV-05		15
										CTO	RR			15
										E	M			15
										PIT	2Y			15
Containment Vacuum Breaker														
2PC001C	138-2	D3	24.00	2	C	CV	8A	C	A	CTC	M	RV-05		15
										CTO	RR			15
										E	M			15
										PIT	2Y			15
Containment Vacuum Breaker														
2PC001D	138-2	E3	24.00	2	C	CV	8A	C	A	CTC	M	RV-05		15
										CTO	RR			15
										E	M			15
										PIT	2Y			15
Containment Vacuum Breaker														

System ID: PC — Primary Containment Purge

Facility: LaSalle Unit 2
 System ID: RD — Control Rod Drive

Valve Number	PAID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJCS	Tech Pos	Notes	
2C11-D001-114	146-3	E3	1.00	N	C	CV	8A	C	A	CTO	T8	RV-02			
		Scram Discharge Riser Check													
2C11-D001-115	146-3	D7	0.50	N	C	CV	8A	O	A	CTC	RR	RV-03			
		HCU Accumulator Check													
2C11-D001-126	146-3	D6	1.00	N	B	GT	AO	C	A	BTO PST	T8 T8	RV-02 RV-02			
		Inlet Scram Valve													
2C11-D001-127	146-3	E3	1.00	N	B	GT	AO	C	A	BTO PST	T8 T8	RV-02 RV-02			
		Outlet Scram Valve													
2C11-D001-138	146-3	D6	0.50	N	C	CV	8A	O	A	CTC	T8	RV-03			
		CRD Cooling Water Check													
2C11-F380	146-2	D3	2.00	2	B	GT	AO	O	A	BTC PST PIT	RR Q 2Y	RJ-10			
		CRD Scram Discharge Instr Volume Vent													
2C11-F381	146-4	D2	2.00	2	B	GT	AO	O	A	BTC PST PIT	RR Q 2Y	RJ-10			
		CRD Scram Discharge Instr Volume Drain													
2C11-F388	146-2	D3	2.00	2	B	GT	AO	O	A	BTC PST PIT	RR Q 2Y	RJ-10			
		CRD Scram Discharge Instr Volume Vent													
2C11-F389	146-4	D2	2.00	2	B	GT	AO	O	A	BTC PST PIT	RR Q 2Y	RJ-10			
		CRD Scram Discharge Instr Volume Drain													

System ID: RD — Control Rod Drive

Facility: LaSalle Unit 2
 System ID: RD — Control Rod Drive

Valve Number	PAID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
2C11-F422B	146-6		3/8"	2	AC	CV	SA	O	A	AT CTC CTO	2Y 2Y TS	RJ-14		
RVWLIS Panel B Check Valve														
2C11-F422D	146-6		3/8"	2	AC	CV	SA	O	A	AT CTC CTO	2Y 2Y TS	RJ-14		
RVWLIS Panel D Check Valve														
2C11-F422F	146-6		3/8"	2	AC	CV	SA	O	A	AT CTC CTO	2Y 2Y TS	RJ-14		
RVWLIS Panel F Check Valve														
2C11-F422G	146-6		3/8"	2	AC	CV	SA	O	A	AT CTC CTO	2Y 2Y TS	RJ-14		
RVWLIS Panel G Check Valve														
2C11-F423B	146-6		3/8"	2	AC	CV	SA	O	A	AT CTC CTO	2Y 2Y TS	RJ-14		
RVWLIS Panel B Check Valve														
2C11-F423D	146-6		3/8"	2	AC	CV	SA	O	A	AT CTC CTO	2Y 2Y TS	RJ-14		
RVWLIS Panel D Check Valve														
2C11-F423F	146-6		3/8"	2	AC	CV	SA	O	A	AT CTC CTO	2Y 2Y TS	RJ-14		
RVWLIS Panel F Check Valve														

System ID: RD — Control Rod Drive

Facility: LaSalle Unit 2
 System ID: RD -- Control Rod Drive

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/Passive	Test	Test Sched	RV/RJCS	Tech Pos	Notes
2C11-F423G	146-6		3/8"	2	AC	CV	SA	0	A	AT CTC CTO	2Y 2Y TS	RJ14		

RVWL18 Panel F Check Valve

Facility: LaSalle Unit 2
 System ID: RE — Reactor Building Equipment Drains

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/Passive	Test	Test Sched	RV/RUCB	Tech Pos	Notes
2RE-024	137-4	B4	2.00	2	A	GT	AO	O/C	A	AT	RR		TP-04	4,6
										BTC	Q		TP-01	4,6
										FST	Q			4,6
										PTT	2Y			4,6
DW Equip Sump Inboard Containment Iso Vlv														
2RE-025	137-4	C4	2.00	2	A	GT	AO	O/C	A	AT	RR		TP-04	4
										BTC	Q		TP-01	4
										FST	Q			4
										PTT	2Y			4
DW Equip Sump Outboard Containment Iso Vlv														
2RE-026	137-4	D5	1.00	2	A	GT	AO	O/C	A	AT	RR		TP-04	4
										BTC	Q		TP-01	4
										FST	Q			4
										PTT	2Y			4
Gland Seal Leakoff Reservoir Inboard Cont Iso Vlv														
2RE-029	137-4	D5	1.00	2	A	GT	AO	O/C	A	AT	RR		TP-04	4
										BTC	Q		TP-01	4
										FST	Q			4
										PTT	2Y			4
Gland Seal Leakoff Reservoir Outboard Cont Iso Vlv														

Facility: LaSalle Unit 2
 System ID: RF — Reactor Building Floor Drains

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/Positive	Test	Test Sched	RV/R/MS	Tech Fee	Notes
2RF-012	137-4	A4	2.00	2	A	GT	AO	OC	A	AT	RR		TP-04	4
										BTC	Q		TP-01	4
										FST	Q			4
										PTT	2Y			4
DW Floor Sump Inboard Containment Iso Vlv														
2RF-013	137-4	B4	2.00	2	A	GT	AO	OC	A	AT	RR		TP-04	4
										BTC	Q		TP-01	4
										FST	Q			4
										PTT	2Y			4
DW Floor Sump Outboard Containment Iso Vlv														

System ID: RF — Reactor Building Floor Drains

Facility: LaSalle Unit 2
 System ID: RH — Residual Heat Removal

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
2E12-F003A	142-4	C1	18.00	2	B	GT	MO	O	A	BTO PIT	Q 2Y		TP-01	
A RHR HX Outlet Isolation Valve														
2E12-F003B	142-4	C8	18.00	2	B	GT	MO	O	A	BTO PIT	Q 2Y		TP-01	
B RHR HX Outlet Isolation Valve														
2E12-F004A	142-1	A7	24.00	2	A	GT	MO	O	A	AT BTC PIT	RR Q 2Y		TP-04 TP-01	4,6,11 4,6,11 4,6,11
A RHR Pump Outboard Section from Suppression Pool														
2E12-F004B	142-2	A7	24.00	2	A	GT	MO	O	A	AT BTC PIT	RR Q 2Y		TP-04 TP-01	4,6,11 4,6,11 4,6,11
B RHR Pump Outboard Section from Suppression Pool														
2E12-F004C	142-3	A7	24.00	2	A	GT	MO	O	A	AT BTC PIT	RR Q 2Y		TP-04 TP-01	4,6,11 4,6,11 4,6,11
C RHR Pump Outboard Section from Suppression Pool														
2E12-F005	142-3	C5	1x2	2	AC	RV	SA	C	P	AT RT	RR 10Y		TP-04	2,4,6,8 2,4,6,8
Shutdown Cooling Header Relief Valve														
2E12-F006A	142-1	A7	18	2		GT	MO	C	A	BTO PIT	Q RR		TP-01	
A RHR Section Stop from Shutdown Cooling														
2E12-F006B	142-2	B6	18	2		GT	MO	C	A	BTO PIT	Q RR		TP-01	
B RHR Section Stop from Shutdown Cooling														

System ID: RH — Residual Heat Removal

Facility: LaSalle Unit 2
 System ID: RH — Residual Heat Removal

Valve Number	PAID	Coord	Size	Class	Cat	Valve Type	Act. Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
2E12-F008	142-3	D6	20.00	1	A	GT	MO	C	A	AT	RR		TP-04	1,4,5
										AT1	RR		TP-04	1,4,5
										BTC	CS	CS-02	TP-01	1,4,5
										BTO	CS	CS-02	TP-01	1,4,5
										PIT	2Y			1,4,5
RHR SDC Suction Header Outboard Cont Iso Vlv														
2E12-F009	142-3	C7	20.00	1	A	GT	MO	C	A	AT	RR		TP-04	1,4,5
										AT1	RR		TP-04	1,4,5
										BTC	CS	CS-02	TP-01	1,4,5
										BTO	CS	CS-02	TP-01	1,4,5
										PIT	2Y			1,4,5
RHR SDC Suction Header Inboard Cont Iso Vlv														
2E12-F011A	142-4	A3	4.00	2	A	GT	MO	C	P	AT	RR		TP-04	4,6,8
										PIT	2Y			4,6,8
A RHR HX Steam Cond to Supp Pool Cont Iso Vlv														
2E12-F011B	142-4	A6	4.00	2	A	GT	MO	C	P	AT	RR		TP-04	4,6,8
										PIT	2Y			4,6,8
B RHR HX Steam Cond to Supp Pool Cont Iso Vlv														
2E12-F016A	142-1	E5	16.00	2	A	GT	MO	C	P	AT	RR		TP-04	4
										BTC	Q		TP-01	4
										PIT	2Y			4
A RHR Cont Spray Upstream Iso Vlv														
2E12-F016B	142-2	F5	16.00	2	A	GT	MO	C	P	AT	RR		TP-04	4
										BTC	Q		TP-01	4
										PIT	2Y			4
B RHR Cont Spray Upstream Iso Vlv														
2E12-F017A	142-1	E7	16.00	2	A	GT	MO	C	P	AT	RR		TP-04	4,6
										BTC	Q		TP-01	4,6
										PIT	2Y			4,6
A RHR Cont Spray Downstream Iso Vlv														

System ID: RH — Residual Heat Removal

Facility: LaSalle Unit 2
 System ID: RH — Residual Heat Removal

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
2E12-F017B	142-2	F6	16.00	2	A	GT	MO	C	P	AT BTC PIT	RR Q 2Y		TP-04 TP-01	4,6 4,6 4,6
B RHR Cont Spray Downstream Iso Vlv														
2E12-F020	142-3	D8	20.0	1	B	GT	M	LO	P	PIT	2Y			
RHR Shutdown Cooling Section Manual Stop														
2E12-F021	142-3	E5	18.00	2	A	GB	MO	C	A	AT BTC PIT PS	RR CS 2Y Q	CS-11	TP-04 TP-01	4,6,8 4,6,8 4,6,8 4,6,8
C RHR Pump Full Flow Test Iso Vlv														
2E12-F023	142-1	F6	6.00	1	A	GB	MO	C	A	AT BTC PIT	RR CS 2Y	CS-02	TP-04 TP-01	1,4 1,4 1,4
RHR HX Head Spray Discharge Header Iso Vlv														
2E12-F024A	142-1	D2	18.00	2	A	GB	MO	C	A	AT BTC BTO PIT PS	RR CS CS 2Y Q	CS-11 CS-11	TP-04 TP-01 TP-01	4,6,8 4,6,8 4,6,8 4,6,8 4,6,8
A RHR Pump Full Flow Test Iso Vlv														
2E12-F024B	142-2	E2	18.00	2	A	GB	MO	C	A	AT BTC BTO PIT PS	RR CS CS 2Y Q	CS-11 CS-11	TP-04 TP-01 TP-01	4,6,8 4,6,8 4,6,8 4,6,8 4,6,8
B RHR Pump Full Flow Test Iso Vlv														
2E12-F025A	142-1	E3	1x2	2	AC	RV	SA	C	P	AT RT	RR 10Y		TP-04	2,4,6,8 2,4,6,8
A RHR Pump Discharge Relief Valve														

System ID: RH — Residual Heat Removal

Facility: LaSalle Unit 2
 System ID: RH — Residual Heat Removal

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJCS	Tech Pos	Notes
2E12-F025B	142-2	D5	1x2	2	AC	RV	SA	C	P	AT RT	RR 10Y		TP-04	2,4,6,8 2,4,6,8
B RHR Pump Discharge Relief Valve														
2E12-F025C	142-3	C2	1x2	2	AC	RV	SA	C	P	AT RT	RR 10Y		TP-04	2,4,6,8 2,4,6,8
C RHR Pump Discharge Relief Valve														
2E12-F026A	142-4	B4	4.00	2	B	GT	MO	C	P	PIT	2Y			
A RHR HX Steam Cond Outlet to RCIC Iso Vlv														
2E12-F026B	142-4	B6	4.00	2	B	GT	MO	C	P	PIT	2Y			
B RHR HX Steam Cond Outlet to RCIC Iso Vlv														
2E12-F027A	142-1	C5	4.00	2	A	GT	MO	C	A	AT BTC BTO PIT	RR Q Q 2Y		TP-04 TP-01 TP-01	4,6,8 4,6,8 4,6,8 4,6,8
A RHR Suppression Chamber Spray Iso Vlv														
2E12-F027B	142-2	C4	4.00	2	A	GT	MO	C	A	AT BTC BTO PIT	RR Q Q 2Y		TP-04 TP-01 TP-01	4,6,8 4,6,8 4,6,8 4,6,8
B RHR Suppression Chamber Spray Iso Vlv														
2E12-F030	142-2	B4	1x2	2	AC	RV	SA	C	P	AT RT	RR 10Y		TP-04	2,4,6,8 2,4,6,8
RHR Cross-connect Relief Valve														
2E12-F031A	142-1	A4	18.00	2	C	CV	SA	C	A	CTC CTC	Q Q			15 15
A RHR Pump Discharge Check														
2E12-F031B	142-2	C3	18.00	2	C	CV	SA	C	A	CTC CTC	Q Q			15 15
B RHR Pump Discharge Check														

System ID: RH — Residual Heat Removal

Facility: LaSalle Unit 2
 System ID: RH — Residual Heat Removal

Valve Number	P&ID	Class	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
2E12-F031C	142-3	B4	18.00	2	C	CV	SA	C	A	CTC	Q			15
										CTO	Q			15
C RHR Pump Discharge Check														
2E12-F040A	142-4	C1	3.00	2	B	GB	MO	C	A	BTC	Q		TP-01	
										PIT	2Y			
A RHR HX Disch to RadWaste Stop														
2E12-F040B	142-4	C8	3.00	2	B	GB	MO	C	A	BTC	Q		TP-01	
										PIT	2Y			
B RHR HX Disch to RadWaste Stop														
2E12-F041A	142-1	D7	12.00	1	AC	NSC	AO	C	A	AT1	RR		TP-04	1,5,7
										CTC	RR			1,5,7
										CTO	RR	RJ-12		1,5,7
										PIT	2Y	RJ-12		1,5,7
										PS	CS			1,5,7
A RHR Injection Testable Check														
2E12-F041B	142-2	E7	12.00	1	AC	NSC	AO	C	A	AT1	RR		TP-04	1,5,7
										CTC	RR	RJ-12		1,5,7
										CTO	RR	RJ-12		1,5,7
										PIT	2Y			1,5,7
										PS	CS			1,5,7
B RHR Injection Testable Check														
2E12-F041C	142-3	E7	12.00	1	AC	NSC	AO	C	A	AT1	RR		TP-04	1,5,7
										CTC	RR	RJ-12		1,5,7
										CTO	RR	RJ-12		1,5,7
										PIT	2Y			1,5,7
										PS	CS			1,5,7
C RHR Injection Testable Check														

System ID: RH — Residual Heat Removal

Facility: LaSalle Unit 2
 System ID: RH — Residual Heat Removal

Valve Number	P&ID	Coord	Size	Class	Cnt	Valve Type	Act Type	Normal Pos	Active/Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
2E12-F042A	142-1	D5	12.00	1	A	GT	MO	C	A	AT	RR		TP-04	1,4,5
										AT1	RR		TP-04	1,4,5
										BTC	CS	CS-02	TP-01	1,4,5
										BTO	CS	CS-02	TP-01	1,4,5
										PIT	2Y			1,4,5
A RHR LPCI Injection Outboard Cont Iso Vlv														
2E12-F042B	142-2	E6	12.00	1	A	GT	MO	C	A	AT	RR		TP-04	1,4,5
										AT1	RR		TP-04	1,4,5
										BTC	CS	CS-02	TP-01	1,4,5
										BTO	CS	CS-02	TP-01	1,4,5
										PIT	2Y			1,4,5
B RHR LPCI Injection Outboard Cont Iso Vlv														
2E12-F042C	142-3	E6	12.00	1	A	GT	MO	C	A	AT	RR		TP-04	1,4,5
										AT1	RR		TP-04	1,4,5
										BTC	CS	CS-02	TP-01	1,4,5
										BTO	CS	CS-02	TP-01	1,4,5
										PIT	2Y			1,4,5
C RHR LPCI Injection Outboard Cont Iso Vlv														
2E12-F046A	142-1	B5	8.00	2	C	CV	8A	C	A	CTO	SAM	RJ-13		RV-01
										PS	Q			RV-01
A RHR Minimum Flow Bypass Check														
2E12-F046B	142-2	C2	8.00	2	C	CV	8A	C	A	CTO	SAM	RJ-13		RV-01
										PS	Q			RV-01
B RHR Minimum Flow Bypass Check														
2E12-F046C	142-3	B3	8.00	2	C	CV	8A	C	A	CTO	SAM	RJ-13		RV-01
										PS	Q			RV-01
C RHR Minimum Flow Bypass Check														
2E12-F048A	142-4	D1	18.00	2	B	GB	MO	O	A	BTC	Q		TP-01	
										BTO	Q		TP-01	
										PIT	2Y			
A RHR HX Shell Side Bypass Valve														

System ID: RH — Residual Heat Removal

Facility: LaSalle Unit 2
 System ID: RH — Residual Heat Removal

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
2E12-F048B	142-4	D8	18.00	2	B	GB	MO	O	A	BTC BTO PIT	Q Q 2Y		TP-01	
B RHR HX Shell Side Bypass Valve														
2E12-F049A	142-4	C1	3.00	2	B	GT	MO	C	A	BTC PIT	Q 2Y		TP-01	
A RHR HX Disch to RadWaste Inboard Cont Iso Vlv														
2E12-F049B	142-4	C8	3.00	2	B	GT	MO	C	A	BTC PIT	Q 2Y		TP-01	
B RHR HX Disch to RadWaste Inboard Cont Iso Vlv														
2E12-F050A	142-1	D7	12.00	1	AC	NSC	AO	C	A	AT1 CTC CTO PIT	RR RR RR 2Y	RV-08 RV-08	TP-04	1,5,7 1,5,7 1,5,7 1,5,7
A RHR SDC Testable Check														
2E12-F050B	142-2	D7	12.00	1	AC	NSC	AO	C	A	AT1 CTC CTO PIT	RR RR RR 2Y	RV-08 RV-08	TP-04	1,5,7 1,5,7 1,5,7 1,5,7
B RHR SDC Testable Check														
2E12-F052A	142-4	C4	10.00	2	B	GB	MO	C	P	PIT	2Y			
A RHR HX Steam Inlet Iso Vlv														
2E12-F052B	142-4	C5	10.00	2	B	GB	MO	C	P	PIT	2Y			
B RHR HX Steam Inlet Iso Vlv														
2E12-F053A	142-1	D5	12.00	1	A	GB	MO	C	A	AT AT1 BTC BTO PIT	RR RR CS CS 2Y	CS-02 CS-02	TP-04 TP-04 TP-01 TP-01	1,4,5 1,4,5 1,4,5 1,4,5 1,4,5
A RHR SDC Injection Vlv														

System ID: RH — Residual Heat Removal

Facility: LaSalle Unit 2
 System ID: RH — Residual Heat Removal

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
2E12-F053B	142-2	D6	12.00	1	A	GB	MO	C	A	AT	RR	CS-02	TP-04	1,4,5
										AT1	RR		TP-04	1,4,5
										BTC	CS		TP-01	1,4,5
										BTO	CS		TP-01	1,4,5
										PIT	2Y			1,4,5
B RHR SDC Injection Vlv														
2E12-F055A	142-4	D3	4x6	2	AC	RV	SA	C	P	AT	RR		TP-04	2,6,8
										RT	10Y			2,6,8
HX Steam Supply Relief Valve														
2E12-F055B	142-4	D5	4x6	2	AC	RV	SA	C	P	AT	RR		TP-04	2,6,8
										RT	10Y			2,6,8
HX Steam Supply Relief Valve														
2E12-F064A	142-1	B5	4.00	2	A	GT	MO	O	A	AT	RR		TP-04	4,6,8
										BTC	Q		TP-01	4,6,8
										BTO	Q		TP-01	4,6,8
										PIT	2Y			4,6,8
A RHR Pump Minimum Flow Bypass Iso Vlv														
2E12-F064B	142-2	C3	4.00	2	A	GT	MO	O	A	AT	RR		TP-04	4,6,8
										BTC	Q		TP-01	4,6,8
										BTO	Q		TP-01	4,6,8
										PIT	2Y			4,6,8
B RHR Pump Minimum Flow Bypass Iso Vlv														
2E12-F064C	142-3	B4	4.00	2	A	GT	MO	O	A	AT	RR		TP-04	4,6,8
										BTC	Q		TP-01	4,6,8
										BTO	Q		TP-01	4,6,8
										PIT	2Y			4,6,8
C RHR Pump Minimum Flow Bypass Iso Vlv														
2E12-F068A	134-2	B3	20.00	3	B	GT	MO	C	A	BTO	Q		TP-01	
										PIT	2Y			
A RHR HX Outlet Iso Vlv														

System ID: RH — Residual Heat Removal

Facility: LaSalle Unit 2
 System ID: RH — Residual Heat Removal

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Fun	Notes
2E12-F068B	134-1	F2	20.00	3	B	GT	MO	C	A	BTO PIT	Q 2Y		TP-01	
B RHR HX Outlet Iso Vlv														
2E12-F073A	142-4	E3	0.75	2	A	GB	MO	C	P	AT PIT	RR 2Y		TP-04	4,6,8 4,6,8
A RHR HX Vent Valve														
2E12-F073B	142-4	E5	0.75	2	A	GB	MO	C	P	AT PIT	RR 2Y		TP-04	4,6,8 4,6,8
B RHR HX Vent Valve														
2E12-F074A	142-4	E2	0.75	2	A	GB	MO	C	P	AT PIT	RR 2Y		TP-04	4,6,8 4,6,8
A RHR HX Vent Valve														
2E12-F074B	142-4	E6	0.75	2	A	GB	MO	C	P	AT PIT	RR 2Y		TP-04	4,6,8 4,6,8
B RHR HX Vent Valve														
2E12-F084A	142-1	B4	0.75	2	C	CV	SA	O/C	A	CTC CTO	Q Q		TP-02	15 15
LPCS Water Leg Pump Discharge Check														
2E12-F084B	142-4	E5	0.75	2	C	CV	SA	O/C	A	CTC CTO	Q Q		TP-02	15 15
RHR Water Leg Pump Discharge Check														
2E12-F084C	142-3	A8	0.75	2	C	CV	SA	O/C	A	CTC CTO	Q Q		TP-02	15 15
RHR Water Leg Pump Discharge Check														
2E12-F087A	142-4	C4	10.00	2	B	GB	MO	C	P	PIT	2Y			
A RHR HX Steam Inlet PCV Bypass Vlv														
2E12-F087B	142-4	C5	10.00	2	B	GB	MO	C	P	PIT	2Y			
B RHR HX Steam Inlet PCV Bypass Vlv														

System ID: RH — Residual Heat Removal

Facility: LaSalle Unit 2
 System ID: RH — Residual Heat Removal

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/C3	Tech Pos	Notes
2E12-F088A	142-1	A6	1x2	2	AC	RV	SA	C	P	AT RT	RR 10Y		TP-04	2,4,6,8 2,4,6,8
A RHR Pump Suction Relief Valve														
2E12-F088B	142-2	B5	1x2	2	AC	RV	SA	C	P	AT RT	RR 10Y		TP-04	2,4,6,8 2,4,6,8
B RHR Pump Suction Relief Valve														
2E12-F088C	142-3	B6	1x2	2	AC	RV	SA	C	P	AT RT	RR 10Y		TP-04	2,4,6,8 2,4,6,8
C RHR Pump Suction Relief Valve														
2E12-F089	142-4	F5	4.00	2	C	CV	SA	C	A	CTC CTO	Q Q			
Fuel Pool Emergency Makeup Testable Check														
2E12-F090A	142-1	C8	12.0	1	B	GT	M	LO	P	PIT	2Y			
A RHR Shutdown Cooling Return Manual Stop														
2E12-F090B	142-2	C8	12.0	1	B	GT	M	LO	P	PIT	2Y			
B RHR Shutdown Cooling Return Manual Stop														
2E12-F092A	142-1	D8	12.0	1	B	GT	M	LO	P	PIT	2Y			
A RHR LPCI Injection Manual Stop														
2E12-F092B	142-2	D8	12.0	1	B	GT	M	LO	P	PIT	2Y			
B RHR LPCI Injection Manual Stop														
2E12-F092C	142-3	D8	12.0	1	B	GT	M	LO	P	PIT	2Y			
C RHR LPCI Injection Manual Stop														
2E12-F093	142-6	F4	4	2		GT	MO	C	A	BTO PIT	Q RR		TP-01	
Fuel Pool Emergency Makeup Supply Downstream														
2E12-F094	142-6	F3	4	2		GT	MO	C	A	BTO PIT	Q RR		TP-01	
Fuel Pool Emergency Makeup Supply Upstream														

System ID: RH — Residual Heat Removal

Facility: LaSalle Unit 2
 System ID: RH — Residual Heat Removal

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
2E12-F097	142-4	F2	0.75	2	B	GB	SO	O	A	BTC FST	Q Q		TP-01	
Emergency Makeup Supply Vent Vlv														
2E12-F099A	142-1	C7	2.00	1	A	GB	MO	C	A	AT BTC PIT	RR CS 2Y	CS-02	TP-04 TP-01	1,5,7 1,5,7 1,5,7
A RHR SDC Testable Check Bypass Iso Vlv														
2E12-F099B	142-2	C7	2.00	1	A	GB	MO	C	A	AT BTC PIT	RR CS 2Y	CS-02	TP-04 TP-01	1,5,7 1,5,7 1,5,7
B RHR SDC Testable Check Bypass Iso Vlv														
2E12-F302	142-1	C2	14.00	2	A	GT	M	LC	P	AT	RR		TP-04	4
Condensate Polisher Iso Vlv														
2E12-F311A	142-4	D2	.75x1	2	AC	RV	SA	C	P	AT RT	RR 10Y		TP-04	2,4,6,8 2,4,6,8
A RHR HX Shell Side Relief Valve														
2E12-F311B	142-4	D6	.75x1	2	AC	RV	SA	C	P	AT RT	RR 10Y		TP-04	2,4,6,8 2,4,6,8
B RHR HX Shell Side Relief Valve														
2E12-F312A	142-1	D2	1.50	2	B	GB	MO	C	A	BTO PIT	Q 2Y		TP-01	
Cooling Water to H2 Recombiner Iso Vlv														
2E12-F312B	142-2	E2	1.50	2	B	GB	MO	C	A	BTO PIT	Q 2Y		TP-01	
Cooling Water to H2 Recombiner Iso Vlv														
2E12-F313A	137-3	C4	3x4	N	C	RV	SA	C	P	RT	10Y			2
A RHR HX Tube Side Relief Valve														
2E12-F313B	137-3	C3	3x4	N	C	RV	SA	C	P	RT	10Y			2
B RHR HX Tube Side Relief Valve														

System ID: RH — Residual Heat Removal

Facility: LaSalle Unit 2
 System ID: RH --- Residual Heat Removal

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
2E12-F315	2142-4	--	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
RHR Line Integrity EPC														
2E12-F317	2142-4	--	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
RHR Line Integrity EPC														
2E12-F319	2142-4	--	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
RHR Line Integrity EPC														
2E12-F331A	134-2	B6	16.00	3	C	NSC	SA	C	A	CTC CTO	Q Q			15 15
RHR SW Pump 1A Discharge Check														
2E12-F331B	134-2	B6	16.00	3	C	NSC	SA	C	A	CTC CTO	Q Q			15 15
RHR SW Pump 1B Discharge Check														
2E12-F331C	134-1	E6	16.00	3	C	NSC	SA	C	A	CTC CTO	Q Q			15 15
RHR SW Pump 1C Discharge Check														
2E12-F331D	134-1	F6	16.00	3	C	NSC	SA	C	A	CTC CTO	Q Q			15 15
RHR SW Pump 1D Discharge Check														
2E12-F359A	2142-5	--	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
RHR SDC Flow Instr EPC														

System ID: RH --- Residual Heat Removal

Facility: LaSalle Unit 2
 System ID: RH — Residual Heat Removal

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
2E12-F359B	2142-5	-	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
RHR SDC Flow Instr CTC														
2E12-F360A	2142-5	-	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
RHR SDC Flow Instr EPC														
2E12-F360B	2142-5	-	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
RHR SDC Flow Instr EPC														

System ID: RH — Residual Heat Removal

Facility: LaSalle Unit 2

System ID: RI — Reactor Core Isolation Cooling

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJCS	Tech Pos	Notes
2E51-F008	147-1	E7	4.00	1	A	GT	MO	O	A	AT	RR	CS-10	TP-04	1,4
										BTC	CS		TP-01	1,4
										PIT	2Y			1,4
										RCIC Steam Supply Outboard Isolation				
2E51-F013	147-2	C7	6.00	1	A	GT	MO	C	A	AT	RR	CS-12	TP-04	1,4
										BTC	CS		TP-01	1,4
										PIT	2Y			1,4
										RCIC Injection Isolation				
2E51-F019	147-2	B5	2.00	2	A	GB	MO	C	A	AT	RR	RV-09	TP-04	4,6,8
										BTC	Q		TP-01	4,6,8
										PIT	2Y			4,6,8
										RCIC Min Flow Isolation				
2E51-F022	147-2	E6	4.00	2	A	GB	MO	C	P	AT	RR		TP-04	
										PIT	2Y			
										RCIC Full Flow Test Upstream Stop				
2E51-F028	147-1	B6	1.25	2	AC	NSC	SA	C	A	AT	RR	RV-07	TP-04	4
										CTC	RR			4
										Barometric Condenser Vacuum Pump Discharge Check				
2E51-F031	147-2	B7	8.00	2	A	GT	MO	C	A	AT	RR		TP-04	4,6,11
										BTC	Q		TP-01	4,6,11
										PIT	2Y			4,6,11
RCIC Pump Sump Pool Suction Isolation														
2E51-F040	147-1	B7	10.00	2	AC	CV	SA	C	A	AT	RR	RV-07	TP-04	4
										CTC	RR			4
										Turbine Exhaust Discharge Check				
2E51-F059	147-2	E5	4.00	2	A	GT	MO	C	P	AT	RR		TP-04	
										PIT	2Y			
RCIC Full Flow Test Downstream Stop														

System ID: RI — Reactor Core Isolation Cooling

Facility: LaSalle Unit 2
 System ID: RI — Reactor Core Isolation Cooling

Valve Number	PAID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
2E51-F063	147-1	E8	10.00	1	A	GT	MO	O	A	AT BTC PIT	RR CS 2Y	CS-10	TP-04 TP-01	1,4,6 1,4,6 1,4,6
Steam Supply Inboard Isolation														
2E51-F064	147-1	E7	10.00	1	A	GT	MO	C	P	AT PIT	RR 2Y		TP-04	1,4 1,4
Steam Condensing Supply Valve														
2E51-F065	147-2	C7	6.00	1	AC	NSC	AO	C	P	AT1 PIT	RR 2Y		TP-04	5,7 5,7
RCIC Injection Outboard Testable Check														
2E51-F066	147-2	C8	6.00	1	AC	NSC	AO	C	P	AT1 PIT	RR 2Y		TP-04	5,7 5,7
RCIC Injection Inboard Testable Check														
2E51-F068	147-1	B7	10.00	2	A	GT	MO	O	A	AT BTC PIT	RR Q 2Y		TP-04 TP-01	4,6 4,6 4,6
Turbine Exhaust Discharge Isolation														
2E51-F069	147-1	B7	1.25	2	A	GB	MO	O	A	AT BTC PIT	RR Q 2Y		TP-04 TP-01	4,6 4,6 4,6
Barometric Cond. Vacuum Pump Discharge														
2E51-F076	147-1	E8	1.00	1	A	GB	MO	C	P	AT BTC PIT	RR Q 2Y		TP-04 TP-01	4,6 4,6 4,6
Steam Supply Inboard Isolation														
2E51-F080	147-1	C7	2.00	2	A	GB	MO	O	A	AT BTC PIT	RR Q 2Y		TP-04 TP-01	4 4 4
RCIC Turbine Exhaust Vacuum Breaker Isolation														

Facility: LaSalle Unit 2
 System ID: RI — Reactor Core Isolation Cooling

Valve Number	P&ID	Coord	Size	Class	Cast	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
2E51-F086	147-1	C7	2.00	2	A	GB	MO	O	A	AT	RR		TP-04	4,6
										BTC	Q		TP-01	4,6
										PIT	2Y			4,6
RCIC Turbine Vacuum Breaker Isolation														
2E51-F357	147-1	E8	2.00	1	A	GT	M	LC	P	AT	RR		TP-04	
RCIC Steam Line Upstream Drain Valve														
2E51-F362	147-2	F7	4.00	2	A	GT	M	LC	P	AT	RR		TP-04	
Alternate Full Flow Test Line Manual Isolation														
2E51-F363	147-2	F7	4.00	2	A	GT	M	LC	P	AT	RR		TP-04	
Alternate Full Flow Test Line Manual Isolation														

System ID: RI — Reactor Core Isolation Cooling

Facility: LaSalle Unit 2
 System ID: RR — Reactor Recirculation

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
2B33-F013A	139-1	B7	0.75	2	AC	NSC	SA	O	A	AT CTC	RR RR	RJ-08	TP-04	4 4
Recirc Pump Seal Supply Check														
2B33-F013B	139-2	B7	0.75	2	AC	NSC	SA	O	A	AT CTC	RR RR	RJ-08	TP-04	4 4
Recirc Pump Seal Supply Check														
2B33-F017A	139-1	B7	0.75	2	AC	NSC	SA	O	A	AT CTC	RR RR	RJ-08	TP-04	4 4
Recirc Pump Seal Supply Check														
2B33-F017B	139-2	B7	0.75	2	AC	NSC	SA	O	A	AT CTC	RR RR	RJ-08	TP-04	4 4
Recirc Pump Seal Supply Check														
2B33-F019	139-2	E6	0.75	2	A	GB	AO	O	A	AT BTC FST PIT	RR Q Q 2Y		TP-04 TP-01	4 4 4 4
Process Sampling Isolation Valve														
2B33-F020	139-2	E8	0.75	2	A	GB	AO	O	A	AT BTC FST PIT	RR Q Q 2Y		TP-04 TP-01	4 4 4 4
Process Sampling Isolation Valve														
2B33-F301A	139-1	D8	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Recirc Pump Suction Pressure EPC														
2B33-F301B	139-2	D8	0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Recirc Pump Suction Pressure EPC														

System ID: RR — Reactor Recirculation

Facility: LaSalle Unit 2
 System ID: RR — Reactor Recirculation

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJCS	Tech Pos	Notes
2B33-F305A	2139-1		0.75	2	AC	EFC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Recirc Pump Flow EFC														
2B33-F305B	2139-1		0.75	2	AC	EFC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Recirc Pump Flow EFC														
2B33-F305C	2139-1		0.75	2	AC	EFC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Recirc Pump Flow EFC														
2B33-F305D	2139-1		0.75	2	AC	EFC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Recirc Pump Flow EFC														
2B33-F307A	2139-1		0.75	2	AC	EFC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Recirc Pump Flow EFC														
2B33-F307B	2139-1		0.75	2	AC	EFC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Recirc Pump Flow EFC														
2B33-F307C	2139-1		0.75	2	AC	EFC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Recirc Pump Flow EFC														

Facility: LaSalle Unit 2
 System ID: RR — Reactor Recirculation

Valve Number	P&ID	Coord	Size	Class	Crt	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
2B33-F307D	2139-1		0.75	2	AC	EFC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Recirc Pump Flow EFC														
2B33-F311A	2139-2		0.75	2	AC	EFC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Recirc Pump Flow EFC														
2B33-F311B	2139-2		0.75	2	AC	EFC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Recirc Pump Flow EFC														
2B33-F311C	2139-2		0.75	2	AC	EFC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Recirc Pump Flow EFC														
2B33-F311D	2139-2		0.75	2	AC	EFC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Recirc Pump Flow EFC														
2B33-F313A	2139-2		0.75	2	AC	EFC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Recirc Pump Flow EFC														
2B33-F313B	2139-2		0.75	2	AC	EFC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Recirc Pump Flow EFC														

System ID: RR — Reactor Recirculation

Facility: LaSalle Unit 2
 System ID: RR — Reactor Recirculation

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
2B33-F313C	2139-2		0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Recirc Pump Flow EFC														
2B33-F313D	2139-2		0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Recirc Pump Flow EFC														
2B33-F315A	2139-3		0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Recirc Pump dP EFC														
2B33-F315B	2139-3		0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Recirc Pump dP EFC														
2B33-F315C	2139-4		0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Recirc Pump dP EFC														
2B33-F315D	2139-4		0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Recirc Pump dP EFC														
2B33-F317A	2139-8		0.75	2	AC	EPC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Recirc Pump Seal Pressure EFC														

System ID: RR — Reactor Recirculation

Facility: LaSalle Unit 2
 System ID: RR — Reactor Recirculation

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
2B33-F317B	2139-8		0.75	2	AC	EFC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Recirc Pump Seal Pressure EFC														
2B33-F319A	2139-8		0.75	2	AC	EFC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Recirc Pump Seal Pressure EFC														
2B33-F319B	2139-8		0.75	2	AC	EFC	SA	O	A	AT CTC PIT	RR RR 2Y	RJ-11		10 10 10
Recirc Pump Seal Pressure EFC														
2B33-F338A	139-1	E2	0.75	2	B	GB	SO	O	A	BTC FST PIT	CS CS 2Y	CS-03 CS-03	TP-01	17 17 17
Recirc FCV HPU Inboard Isolation														
2B33-F338B	139-2	E2	0.75	2	B	GB	SO	O	A	BTC FST PIT	CS CS 2Y	CS-03 CS-03	TP-01	17 17 17
Recirc FCV HPU Inboard Isolation														
2B33-F339A	139-1	E1	0.75	2	B	GB	SO	O	A	BTC FST PIT	Q Q 2Y		TP-01	17 17 17
Recirc FCV HPU Outboard Isolation														
2B33-F339B	139-2	E1	0.75	2	B	GB	SO	O	A	BTC FST PIT	Q Q 2Y		TP-01	17 17 17
Recirc FCV HPU Outboard Isolation														

Facility: LaSalle Unit 2
 System ID: RR — Reactor Recirculation

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
2B33-F340A	139-1	E2	0.50	2	B	GB	SO	O	A	BTC FST PIT	CS CS 2Y	CS-03 CS-03	TP-01	17 17 17
Recirc FCV HPU Inboard Isolation														
2B33-F340B	139-2	D2	0.50	2	B	GB	SO	O	A	BTC FST PIT	CS CS 2Y	CS-03 CS-03	TP-01	17 17 17
Recirc FCV HPU Inboard Isolation														
2B33-F341A	139-1	E1	0.50	2	B	GB	SO	O	A	BTC FST PIT	Q Q 2Y		TP-01	17 17 17
Recirc FCV HPU Outboard Isolation														
2B33-F341B	139-2	D1	0.50	2	B	GB	SO	O	A	BTC FST PIT	Q Q 2Y		TP-01	17 17 17
Recirc FCV HPU Outboard Isolation														
2B33-F342A	139-1	D2	0.50	2	B	GB	SO	O	A	BTC FST PIT	CS CS 2Y	CS-03 CS-03	TP-01	17 17 17
Recirc FCV HPU Inboard Isolation														
2B33-F342B	139-2	C2	0.50	2	B	GB	SO	O	A	BTC FST PIT	CS CS 2Y	CS-03 CS-03	TP-01	17 17 17
Recirc FCV HPU Inboard Isolation														
2B33-F343A	139-1	D1	0.50	2	B	GB	SO	O	A	BTC FST PIT	Q Q 2Y		TP-01	17 17 17
Recirc FCV HPU Outboard Isolation														

Facility: LaSalle Unit 2
 System ID: RR — Reactor Recirculation

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/Passive	Test	Test Sched	RV/RL/CS	Tech Pos	Notes
2B33-F343B	139-2	C1	0.50	2	B	GB	SO	O	A	BTC FST PIT	Q Q 2Y		TP-01	17 17 17
Recirc FCV HPU Outboard Isolation														
2B33-F344A	139-1	C2	0.75	2	B	GB	SO	O	A	BTC FST PIT	CS CS 2Y	CS-03 CS-03	TP-01	17 17 17
Recirc FCV HPU Inboard Isolation														
2B33-F344B	139-2	C2	0.75	2	B	GB	SO	O	A	BTC FST PIT	CS CS 2Y	CS-03 CS-03	TP-01	17 17 17
Recirc FCV HPU Inboard Isolation														
2B33-F345A	139-1	C1	0.75	2	B	GB	SO	O	A	BTC FST PIT	Q Q 2Y		TP-01	17 17 17
Recirc FCV HPU Outboard Isolation														
2B33-F345B	139-2	C1	0.75	2	B	GB	SO	O	A	BTC FST PIT	Q Q 2Y		TP-01	17 17 17
Recirc FCV HPU Outboard Isolation														

Facility: LaSalle Unit 2
 System ID: RT — Reactor Water Cleanup

Valve Number	PAID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
2G33-F001	143-1	E8	6.00	1	A	GT	MO	O	A	AT	RR	CS-05	TP-04	1,4,6
										BTC	CS		TP-01	1,4,6
										PIT	2Y			1,4,6
										RWCU Supply Inboard Cont Iso Vlv				
2G33-F004	143-1	E7	6.00	1	A	GT	MO	O	A	AT	RR	CS-05	TP-04	1,4
										BTC	CS		TP-01	1,4
										PIT	2Y			1,4
										RWCU Supply Outboard Cont Iso Vlv				
2G33-F040	143-1	F4	4.00	2	A	GT	MO	O	A	AT	RR	CS-05	TP-04	1,4
										BTC	CS		TP-01	1,4
										PIT	2Y			1,4
										RWCU Return Containment Iso Vlv				
2G33-F309	2143-1	-	0.75	2	AC	EPC	8A	O	A	AT	RR	RJ-11		10
										CTC	RR			10
										PIT	2Y			10
										RX Vessel Drain Flow Instr EPC				
2G33-F312A	2143-2	-	0.75	2	AC	EPC	8A	O	A	AT	RR	RJ-11		10
										CTC	RR			10
										PIT	2Y			10
										RWCU Flow Instr EPC				
2G33-F312B	2143-2	-	0.75	2	AC	EPC	8A	O	A	AT	RR	RJ-11		10
										CTC	RR			10
										PIT	2Y			10
										RWCU Flow Instr EPC				

System ID: RT — Reactor Water Cleanup

Facility: LaSalle Unit 2
 System ID: SA — Service Air

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	EV/R/L/C/S	Tech Pos	Notes
2SA042	82-5	B7	3.00	2	A	GT	M	C	P	AT	RR		TP-04	13
DW Service Air Supply Outboard Isolation Valve														
2SA046	82-5	B7	3.00	2	A	GT	M	C	P	AT	RR		TP-04	13
DW Service Air Supply Inboard Isolation Valve														

System ID: SA — Service Air

Facility: LaSalle Unit 2
 System ID: SC — Standby Liquid Control

Valve Number	PAID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RICS	Tech Pos	Notes
2C41-F004A	145	C5	1.50	1	A	GT	EX	C	P	AT	RR		TP-04	3,4
	Pump Injection Squib Valve													
2C41-F004B	145	B5	1.50	1	A	GT	EX	C	P	AT	RR		TP-04	3,4
	Pump Injection Squib Valve													
2C41-F007	145	D7	1.50	1	AC	NBC	BA	C	P	AT	RR		TP-04	4
	SBLC Injection Inboard Isolation Check													

System ID: SC — Standby Liquid Control

Facility: LaSalle Unit 2
 System ID: VG — Standby Gas Treatment

Valve Number	PAID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Fee	Notes
2VG001	89	E7	20.00	N	B	BF	MO	C	A	BTO FIT	Q 2Y		TP-01	
SBGT Inlet Isolation Damper														
2VG003	89	E2	20.00	3	B	BF	MO	C	A	BTO FIT	Q 2Y		TP-01	
SBGT Outlet Isolation Damper														

System ID: VG — Standby Gas Treatment

Facility: LaSalle Unit 2
 System ID: VP -- Primary Containment Ventilation

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CB	Tech Pos	Notes
2VP053A	133	E2	8.00	2	A	GT	MO	O/C	A	AT BTC PIT	RR RR 2Y	RJ-16	TP-04 TP-01	1,4 1,4 1,4
Chill Water Return Outboard Cont Iso Vlv														
2VP053B	133	C2	8.00	2	A	GT	MO	O/C	A	AT BTC PIT	RR RR 2Y	RJ-16	TP-04 TP-01	1,4 1,4 1,4
Chill Water Return Outboard Cont Iso Vlv														
2VP063A	133	D2	8.00	2	A	GT	MO	O/C	A	AT BTC PIT	RR RR 2Y	RJ-16	TP-04 TP-01	1,4 1,4 1,4
Chill Water Supply Outboard Cont Iso Vlv														
2VP063B	133	B2	8.00	2	A	GT	MO	O/C	A	AT BTC PIT	RR RR 2Y	RJ-16	TP-04 TP-01	1,4 1,4 1,4
Chill Water Supply Outboard Cont Iso Vlv														
2VP113A	133	D2	8.00	2	A	BF	MO	O/C	A	AT BTC PIT	RR RR 2Y	RJ-16	TP-04 TP-01	1,4,6 1,4,6 1,4,6
Chill Water Supply Inboard Cont Iso Vlv														
2VP113B	133	B2	8.00	2	A	BF	MO	O/C	A	AT BTC PIT	RR RR 2Y	RJ-16	TP-04 TP-01	1,4,6 1,4,6 1,4,6
Chill Water Supply Inboard Cont Iso Vlv														
2VP114A	133	E2	8.00	2	A	BF	MO	O/C	A	AT BTC PIT	RR RR 2Y	RJ-16	TP-04 TP-01	1,4,6 1,4,6 1,4,6
Chill Water Return Inboard Cont Iso Vlv														

Facility: LaSalle Unit 2
 System ID: VP -- Primary Containment Ventilation

Valve Number	P&ID	Coord	Size	Class	Out	Valve Type	Act Type	Normal Pos	Acted/Passive	Test	Test Sched	RV/RJCS	Test Pos	Notes
2VP114B	133	C2	8.00	2	A	BF	MO	OC	A	AT BTC FIT	RR RR 2Y	RJ-16	TP-04 TP-01	1,4,6 1,4,6 1,4,6

CMR Water Return Inboard Cont Iso Vlv

Facility: LaSalle Unit 2
 System ID: VQ — Primary Containment Vent and Purge

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RUCS	Tech Pos	Notes
2VQ026	138-1	C2	26.00	2	A	BF	AO	C	A	AT	RR	CS-06	TP-04	1
										BTC	CS		TP-01	1
										FST	CS		CS-06	1
										PIT	2Y			1
										Outlet to Sec Cont from RX Bldg Inboard Damper				
2VQ027	138-1	C3	26.00	2	A	BF	AO	C	A	AT	RR	CS-06	TP-04	1
										BTC	CS		TP-01	1
										FST	CS		CS-06	1
										PIT	2Y			1
										Inlet to Sec Cont from RX Bldg Inboard Damper				
2VQ029	138-1	D2	26.00	2	A	BF	AO	C	A	AT	RR	CS-06	TP-04	1,4
										BTC	CS		TP-01	1,4
										FST	CS		CS-06	1,4
										PIT	2Y			1,4
										Inlet to DW from RX Bldg Outboard Damper				
2VQ030	138-1	D3	26.00	2	A	BF	AO	C	A	AT	RR	CS-06	TP-04	1,4,6
										BTC	CS		TP-01	1,4,6
										FST	CS		CS-06	1,4,6
										PIT	2Y			1,4,6
										Inlet to DW from RX Bldg Inboard Damper				
2VQ031	138-1	C7	26.00	2	A	BF	AO	C	A	AT	RR	CS-06	TP-04	1
										ETC	CS		TP-01	1
										FST	CS		CS-06	1
										PIT	2Y			1
										Suction from RX Bldg Inboard Damper				
2VQ032	138-1	C7	2.00	2	A	GB	MO	C	A	AT	RR		TP-04	1,4,6
										BTC	Q		TP-01	1,4,6
										PIT	2Y			1,4,6
										RX Bldg Suction Inboard Damper Bypass Valve				

Facility: LaSalle Unit 2
 System ID: VQ — Primary Containment Vent and Purge

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Fee	Notes
2VQ034	138-1	E6	26.00	2	A	BF	AO	C	A	AT	RR	CS-06	TP-04	1,4,6
										BTC	CS			1,4,6
										FST	CS			1,4,6
										PTT	2Y			1,4,6
Section from DW Inboard Damper														
2VQ035	138-1	E6	2.00	2	A	GB	MO	C	A	AT	RR		TP-04	4,6
										BTC	Q			4,6
										PTT	2Y			4,6
Section from DW Inboard Damper														
2VQ036	138-1	E7	26.00	2	A	BF	AO	C	A	AT	RR	CS-06	TP-04	4
										BTC	CS			4
										FST	CS			4
										PTT	2Y			4
Section from DW Outboard Damper														
2VQ037	138-1	B8	26.00	2	B	BF	MO	C	A	BTC	Q		TP-01	
										PTT	2Y			
Primary Cont Vent Sec Cont Inboard Damper														
2VQ038	138-1	B7	26.00	2	B	BF	MO	C	A	BTC	Q		TP-01	
										PTT	2Y			
Primary Cont Vent Sec Cont Outboard Damper														
2VQ040	138-1	C8	26.00	2	A	BF	AO	C	A	AT	RR	CS-06	TP-04	1,4
										BTC	CS			1,4
										FST	CS			1,4
										PTT	2Y			1,4
Section Supp Chem Outboard Isolation Damper														
2VQ042	138-1	D2	8.00	2	A	BF	AO	C	A	AT	RR	CS-06	TP-04	1,4
										BTC	CS			1,4
										FST	CS			1,4
										PTT	2Y			1,4
Nitrogen Inerting Supply Valve														

System ID: VQ — Primary Containment Vent and Purge

Facility: LaSalle Unit 2
 System ID: VQ — Primary Containment Vent and Purge

Valve Number	P&ID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
2VQ043	138-1	C2	8.00	2	A	BF	AO	C	A	AT	RR	CS-06	TP-04	1,4
										BTC	CS		TP-01	1,4
										PBT	CS			1,4
										PIT	2Y			1,4
Nitrogen Inerting Supply Valve														
2VQ047	138-1	D3	1.50	2	A	GB	MO	O	A	AT	RR		TP-04	4,6
										BTC	Q	TP-01	4,6	
										PIT	2Y		4,6	
Nitrogen Makeup Supply Valve														
2VQ048	138-1	D3	1.50	2	A	GB	MO	O	A	AT	RR		TP-04	4
										BTC	Q	TP-01	4	
										PIT	2Y		4	
Nitrogen Makeup Supply Valve														
2VQ050	138-1	C3	1.50	2	A	GB	MO	O	A	AT	RR		TP-04	4,6
										BTC	Q	TP-01	4,6	
										PIT	2Y		4,6	
Nitrogen Makeup Supply Valve														
2VQ051	138-1	C3	1.50	2	A	GB	MO	O	A	AT	RR		TP-04	4
										BTC	Q	TP-01	4	
										PIT	2Y		4	
Nitrogen Makeup Supply Valve														
2VQ061	138-1	E4	0.75	2	AC	EPC	SA	O	A	AT	RR	RJ-11		9
										CTC	RR			9
										PIT	2Y			9
Nitrogen Makeup Supply Pressure Sensing Line EPC														
2VQ068	138-1	E7	2.00	2	A	GB	MO	C	A	AT	RR		TP-04	4
										BTC	Q	TP-01	4	
										PIT	2Y		4	
Outlet Purge Damper Bypass Valve														

System ID: VQ — Primary Containment Vent and Purge

0107

Facility: LaSalle Unit 2
 System ID: WR — Reactor Building Closed Cooling

Valve Number	FAID	Coord	Size	Class	Cat	Valve Type	Act Type	Normal Pos	Active/ Passive	Test	Test Sched	RV/RJ/CS	Tech Pos	Notes
2WR029	136-2	B7	6.00	2	A	GT	MO	O	A	AT	RR	CS-01	TP-04	1,4
										BTC	CS		TP-01	1,4
										PIT	2Y			1,4
										RBCCW Supply Outboard Cont Iso Vlv				
2WR040	136-2	B4	6.00	2	A	GT	MO	O	A	AT	RR	CS-01	TP-04	1,4
										BTC	CS		TP-01	1,4
										PIT	2Y			1,4
										RBCCW Return Outboard Cont Iso Vlv				
2WR179	136-2	B7	6.00	2	A	GT	MO	O	A	AT	RR	CS-01	TP-04	1,4
										BTC	CS		TP-01	1,4
										PIT	2Y			1,4
										RBCCW Supply Inboard Cont Iso Vlv				
2WR180	136-2	B4	6.00	2	A	GT	MO	O	A	AT	RR	CS-01	TP-04	1,4
										BTC	CS		TP-01	1,4
										PIT	2Y			1,4
										RBCCW Return Inboard Cont Iso Vlv				

System ID: WR — Reactor Building Closed Cooling