

*Exelon IST Program Technical Position*  
**Non-Safety Check Valve Exercise Testing By Normal Operations**

**Purpose**

The purpose of this Technical Position is to establish the Company position for the verification of the non-safety exercise testing of check valves by normal plant operations. This is applicable to check valves in the Inservice Testing (IST) Program as related to the ASME OMa Code-1996 Addenda to the ASME OMa Code-1995.

**Applicability**

This Technical Position is NOT applicable to testing the safety function (position) of IST Check Valves. Safety function here means the function of the valve that meets a scoping requirement to be in the IST Program. This Technical Position is applicable to testing the **non-safety function** (position) of IST check valves. This Technical Position is applicable to check valves tested under Subsection ISTC, and to Appendix II (Condition Monitoring), of the ASME OMa Code-1996 Addenda.

**Background**

The ASME OMa Code-1996 Addenda in section ISTC 4.5.3, "Valves in Regular Use," states the following:

"Check valves that operate in the course of plant operation at a frequency that would satisfy the exercising requirements of this Subsection need not be additionally exercised if the observations otherwise required for testing are made and analyzed during such operation and are recorded in the plant records at intervals not greater than specified in para. ISTC 4.5.1."

Section 4.5.1 indicates that check valves shall be exercised nominally every 3 months with exceptions (for extended exercise periods) referenced.

Section 4.5.4 (2) states that,

"Check valves that have a safety function in only the open direction shall be exercised by initiating flow and observing that the obturator has traveled to either the full open position or to the position required to perform its intended function(s) (see para. ISTC 1.1), and verify closure."

Section 4.5.4 (3) states that,

“Check valves that have a safety function in only the close direction shall be exercised by initiating flow and observing that the obturator has traveled to at least the partially open position<sup>2</sup>,...”

Footnote 2 to this section indicates that the partially open position should correspond to the normal or expected system flow. NOTE: “Normal or expected,” system flow rate may vary with plant conditions and configurations. The open safety function of a check valve usually requires meeting a specified, required limiting accident flow rate. As Operators are trained in recognizing normal plant conditions, Operator judgement is acceptable in ascertaining whether the non-safety open check valve position is providing normal or expected flow rates or plant conditions.

As stated in these two sections the non-safety function is satisfactorily demonstrated by verifying closure, or passing normal or expected flow to verify opening, as applicable.

#### **Position**

Verification of the non-safety position of IST check valves may be performed through the execution of a dedicated surveillance. Alternately this verification may be satisfied as follows:

- ◆ An appropriate means shall be determined which establishes how the open/closed non-safety function of the specified check valve is demonstrated during normal operations. The position determination may be by direct indicator, or by other positive means such as changes in system pressure, flow rate, level, temperature, seat leakage, etc. This determination shall be documented in the respective Condition Monitoring Plan in the “Bases for Testing and Inspection Strategy,” for valves in the Condition Monitoring Program. For check valves governed by Subsection ISTC and not in Condition Monitoring this determination shall be documented in the respective IST Bases Document valve group in the, “Bases Statement,” section.
- ◆ Automated processes may be used to provide for the “observation and analysis,” that a check valve is appropriately satisfying its’ non-safety position function. An example of this would be a check valve that has a safety function in only the close direction and normally has flow through it to maintain normal plant operations. If the check valve is not opening to pass flow, alarms or indications would identify the problem to the Operator who is trained to respond to such situations and take appropriate actions. Condition Reports are normally written for abnormal plant conditions attributable to material condition concerns such as check valve failures.

TP-EXE-IST-01-01  
Final Status  
April 9, 2001  
Revision 0  
Page 3 of 3

- ◆ The “observation and analysis,” of logs and other such records is satisfied by Operator reviews. Operating personnel are trained to look for off-normal data and adverse trends and take actions as appropriate. This would effectively determine if a check valve were satisfactorily fulfilling its’ non-safety function.
- ◆ The open/closed non-safety function shall be recorded at a periodicity required by ISTC 4.5.1, with exceptions as provided, in plant records such as Operator logs, Electronic Rounds, chart recorders, automated data loggers, etc. NOTE: The safety function testing of these valves constitutes requiring a Quality Record. Records as indicated above are appropriate for the non-safety testing. Should any concerns arise regarding the material condition/operation of these check valves a Condition Report is written which is a Quality Record. The method in which the check valve position is recorded shall be included in the Condition Monitoring Plan or Bases Document sections as indicated above.

#### **Justification**

This Technical Position requires that the method of determining the non-safety position be established. The plant systems and Operator actions provide for the observations and analysis that the valve is satisfying its’ non-safety function. Finally, the recording of parameters demonstrating valve position is satisfied at a frequency specified in ISTC 4.5.1. These actions collectively satisfy demonstrating the non-safety position of IST check valves in regular use as required by ISTC 4.5.3.

#### **Assumptions**

None

#### **Status**

Final

***Exelon IST Program Technical Position***  
**Thermal Relief Valve Scoping**

**Purpose**

The purpose of this technical position is to provide the bases for determining whether thermal relief valves should be included in the Inservice Testing (IST) Program.

**Background**

A thermal relief valve is a relief that protects the associated system from over pressurization due to thermal expansion. Whether these valves need to be included in the IST Program depends on the function of the system or subsystem they are in.

**Position**

- If a systems or subsystem does NOT perform a required function in shutting down a reactor to the cold shutdown condition, in maintaining the cold shutdown condition, or in mitigating the consequences of an accident, then the thermal relief valve(s) in those systems/subsystems need not be placed in the IST Program.
- If a system or subsystem performs a required function in shutting down a reactor to the cold shutdown condition, in maintaining the cold shutdown condition, or in mitigating the consequences of an accident, then the thermal relief valve(s) in those systems/subsystems shall be placed in the IST Program. Allowed exceptions to this requirement are the exclusion of valves which do not provide overpressurization protection to those systems (or portions thereof) as established by design requirements.
- Plants whose licensing basis is to achieve Hot Standby need not include systems/components used to bring the reactor from hot standby to cold shutdown in their IST programs.

**Justification**

ANSI/ASME OMa-1988, Part 10, "Inservice Testing of Valves in Light Water Reactor Power Plants," Section 1.1, "Scope," states the following:

"The pressure-relief devices covered are those for protecting systems or portions of systems which perform a required function in shutting down a reactor to the cold shutdown condition, in maintaining the cold shutdown condition, or in mitigating the consequences of an accident".

TP-EXE-IST-01-02  
Final Status  
April 27, 2001  
Revision 0  
Page 2 of 2

NUREG – 1482 “Guidelines for Inservice Testing at Nuclear Power Plants”, Section 4.3.1 states the following:

“The IST engineer may not have the documentation for the system design or development of the Section III overpressure analyses. However, if there are safety or relief valves that do not appear to perform a necessary safety or overpressure protection function, it may be possible to coordinate with a design engineering group for reanalyses. If the results of the overpressure protection "reanalysis" for a particular system indicate that a relief valve is not necessary, it may be removed from the scope of the IST program.”

### ***References***

- ANSI/ASME OMa-1988, Part 10, “Inservice Testing of Valves in Light Water Reactor Power Plants”
- ANSI/ASME OM-1987, Part 1, “Requirements for Inservice Performance Testing of Nuclear Power Plant Pressure Relief Devices.”
- NUREG 1482

### **Assumptions**

None

### **Status**

Final

***Exelon IST Program Technical Position***  
**Justification for Exception to Exercise Check Valves after Reassembly**

**Code Requirements**

The governing Code for this issue is found in the ASME OMa Code –1996 Addenda to ASME OM Code-1995, “Code for Operation and Maintenance of Nuclear Power Plants, Section ISTC, “Rules for Inservice Testing of Light-Water Reactor Power Plants.”

Subsection ISTC, “Inservice Testing of Valves in Light-Water Reactor Power Plants,” para. ISTC 6.2, “Test Plans,” subpara. (e) requires documenting for check valves, “...justification for not performing an exercise test to at least a partially open position after reassembly or periodic exercising in accordance with para. ISTC 4.5.2;”

Subsection ISTC, “Inservice Testing of Valves in Light-Water Reactor Power Plants,” para. ISTC 4.5.4 subpara. (c)(4) states, “Before return to service, valves that were disassembled for examination or that received maintenance that could affect their performance, shall be exercised if practicable (see nonmandatory Appendix J, Check Valve Testing Following Valve Reassembly)”.

**Discussion of Code Requirement**

Performing a partial open exercise after reassembly provides some assurance of the functionality of the check valve and that it has been installed in the proper flow direction.

**Position**

There are numerous measures in place to assure that check valves are maintained properly and installed in the proper orientation and flow direction. As such there is justification to not exercise the check valves after reassembly.

**Justification**

The following justifications demonstrate that exercising check valves after reassembly is unnecessary.

**Match Marking:** Match marking is the maintenance activity where the component (such as a check valve) and adjoining pipe section are marked adjacently. When the component is reinstalled it is done so the match marks align. This assures the component was reinstalled in the proper orientation/flow direction as when it was removed. The Nuclear Generation Group Maintenance Standards under “Expectations,” regarding the execution of work states that parts should be match marked prior to disassembly to ensure

proper orientation upon reassembly. Periodically a "Scorecard," which is a checklist used for supervisory oversight to assure proper maintenance practices, is performed. The Scorecard has an item requiring assessment that components have been match marked prior to disassembly to help ensure proper reassembly. During practical exercises in the training of maintenance workers they are assessed to assure that they follow match-marking practices where appropriate.

Procedures/Work Instructions: There are detailed procedures and work instructions to address that check valve maintenance, reassembly, and reinstallation is properly conducted.

Maintenance Oversight: Maintenance First Line Supervisors are expected to provide adequate oversight to assure the work is properly conducted

Quality Assurance Program: A 10 CFR 50 Appendix B, Quality Assurance Program, is utilized at the stations to assure those quality standards are maintained.

Foreign Material Exclusion: A rigorous Foreign Material Exclusion program exists to assure no adverse impact to systems and components due to such intrusions. Keeping foreign material out of check valves assures they will not have their stroking or closure adversely impacted by those materials.

Training: Maintenance personnel are properly trained to assure they have the proper skills and follow procedures and instructions in working on plant components.

Condition Reports: Problems and concerns including those in the maintenance area are captured with Condition Reports. These are part of the corrective actions program to address such concerns.

Engineering Inspections: Engineering inspections are frequently performed to procedures and checklists to assure proper check valve maintenance and function. In addition to numerous checks to assess the material condition and functionality of the check valve, part of the Engineering inspection is to assess "as-found" and "as-left" manual full stroke capability.

Oversight Activities: Oversight activities by Quality Control, Nuclear Oversight, and other oversight organizations periodically review maintenance activities. This process helps assure the maintenance program is adequately functioning.

TP-EXE-IST-01-03  
Final Status  
April 9, 2001  
Revision 0  
Page 3 of 3

### **Applicability**

This Technical Position applies to all MWROG nuclear power plants except Clinton Station.

### **Conclusion**

There are adequate measures in place to justify that partially open testing check valves after reassembly need not be performed.

### **Assumptions**

None

### **Status**

Final



**ATTACHMENT 13**

**INSERVICE TESTING PUMP TABLE INDEX**

<b><u>System Designator</u></b>	<b><u>System Description</u></b>
DG	Diesel Generator
DO	Diesel Fuel Oil
FC	Fuel Pool Cooling
HP	High Pressure Core Spray
LP	Low Pressure Core Spray
RH	Residual Heat Removal
RI	Reactor Core Isolation Cooling
SC	Standby Liquid Control

**ATTACHMENT 14**

**INSERVICE TESTING PUMP TABLE**

Diesel Generator (Page 1)

Pump EPN	Safety Class	Pump Type	Pump Driver	Nominal Speed	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
0-ACSOAKBACK	3	PD	Motor	N/A	M-83-4	B6	Differential Pressure	M3			EXE00-04
							Flow Rate	M3			EXE00-04
							Vibration	M3			EXE00-04
							Pump Name 0 DG AC Soak Back Pump				
0-DCSOAKBACK	3	PD	Motor	N/A	M-83-4	B6	Differential Pressure	M3			EXE00-04
							Flow Rate	M3			EXE00-04
							Vibration	M3			EXE00-04
							Pump Name 0 DG DC Soak Back Pump				
0-DGMAINLUBE	NC	PD		N/A	M-83-4	B3	Differential Pressure	M3			EXE00-04
							Flow Rate	M3			EXE00-04
							Vibration	M3			EXE00-04
							Pump Name 0 DG Main Lube Oil Pump				
0-DGOILCIRC	NC	PD	Motor	N/A	M-83-4	B5	Differential Pressure	M3			EXE00-04
							Flow Rate	M3			EXE00-04
							Vibration	M3			EXE00-04
							Pump Name 0 DG Oil Circulating Pump				
0-DGPISTON	NC	PD	ENGINE	NA	M-83-4	B2	Differential Pressure	M3			EXE00-04
							Flow Rate	M3			EXE00-04
							Vibration	M3			EXE00-04
							Pump Name 0 DG Piston Cooling Oil Pump				
0-DGSCAVENTGE	3	PD	ENGINE	N/A	M-83-4	B4	Differential Pressure	M3			EXE00-04
							Flow Rate	M3			EXE00-04
							Vibration	M3			EXE00-04
							Pump Name 0 DG Scavenging Oil Pump				
0DG01P	3	C	Motor	N/A	87-2	C7	Differential Pressure	M3			
							Flow Rate	M3			
							Vibration	M3			
							Pump Name 0 Diesel Generator Cooling Water Pump				
1A-ACSOAKBACK	3	PD	Motor	N/A	M-83-4	B6	Differential Pressure	M3			EXE00-04
							Flow Rate	M3			EXE00-04
							Vibration	M3			EXE00-04
							Pump Name 1A DG AC Soak Back Pump				

Diesel Generator (Page 2)

Pump EPN	Safety Class	Pump Type	Pump Driver	Nominal Speed	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.			
1A-DCSOAKBACK	3	PD	Motor	N/A	M-83-4	B6	Differential Pressure	M3			EXE00-04			
							Flow Rate	M3			EXE00-04			
							Vibration	M3			EXE00-04			
							Pump Name 1A DG DC Soak Back Pump							
1A-DGMAINLUBE	NC	PD		N/A	M-83-4	B3	Differential Pressure	M3			EXE00-04			
						Flow Rate	M3			EXE00-04				
						Vibration	M3			EXE00-04				
			Pump Name 1A DG Main Lube Oil Pump											
1A-DGOILCIRC	NC	PD	Motor	N/A	M-83-4	B5	Differential Pressure	M3			EXE00-04			
										Flow Rate	M3			EXE00-04
										Vibration	M3			EXE00-04
							Pump Name 1A DG Oil Circulating Pump							
1A-DGPISTON	NC	PD	ENGINE	NA	M-83-4	B2	Differential Pressure	M3			EXE00-04			
										Flow Rate	M3			EXE00-04
										Vibration	M3			EXE00-04
							Pump Name 1A DG Piston Cooling Oil Pump							
1A-DGSCAVENTGE	3	PD	ENGINE	N/A	M-83-4	B4	Differential Pressure	M3			EXE00-04			
										Flow Rate	M3			EXE00-04
										Vibration	M3			EXE00-04
							Pump Name 1A DG Scavenging Oil Pump							
1B-ACSOAKBACK	3	PD	Motor	N/A	M-83-4	E6	Differential Pressure	M3			EXE00-04			
										Flow Rate	M3			EXE00-04
										Vibration	M3			EXE00-04
							Pump Name 1B DG AC Soak Back Pump							
1B-DCSOAKBACK	3	PD	Motor	N/A	M-83-4	E6	Differential Pressure	M3			EXE00-04			
										Flow Rate	M3			EXE00-04
										Vibration	M3			EXE00-04
							Pump Name 1B DG DC Soak Back Pump							
1B-DGMAINLUBE	NC	PD		N/A	M-83-4	E3	Differential Pressure	M3			EXE00-04			
						Flow Rate	M3			EXE00-04				
						Vibration	M3			EXE00-04				
			Pump Name 1B DG Main Lube Oil Pump											

Diesel Generator (Page 3)

Pump EPN	Safety Class	Pump Type	Pump Driver	Nominal Speed	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1B-DGOILCIRC	NC	PD	Motor	N/A	M-83-4	E5	Differential Pressure	M3			EXE00-04
							Flow Rate	M3			EXE00-04
							Vibration	M3			EXE00-04
							Pump Name 1B DG Oil Circulating Pump				
1B-DGPISTON	NC	PD	ENGINE	NA	M-83-4	E2	Differential Pressure	M3			EXE00-04
							Flow Rate	M3			EXE00-04
							Vibration	M3			EXE00-04
							Pump Name 1B DG Piston Cooling Oil Pump				
1B-DGSCAvenge	3	PD	ENGINE	N/A	M-83-4	E4	Differential Pressure	M3			EXE00-04
							Flow Rate	M3			EXE00-04
							Vibration	M3			EXE00-04
							Pump Name 1B DG Scavenging Oil Pump				
1DG01P	3	C	Motor	N/A	87-1	D7	Differential Pressure	M3			
							Flow Rate	M3			
							Vibration	M3			
							Pump Name 1A Diesel Generator Cooling Water Pump				
2A-ACSOAKBACK	3	PD	Motor	N/A	M-83-4	B6	Differential Pressure	M3			EXE00-04
							Flow Rate	M3			EXE00-04
							Vibration	M3			EXE00-04
							Pump Name 2A DG AC Soak Back Pump				
2A-DCSOAKBACK	3	PD	Motor	N/A	M-83-4	B6	Differential Pressure	M3			EXE00-04
							Flow Rate	M3			EXE00-04
							Vibration	M3			EXE00-04
							Pump Name 2A DG DC Soak Back Pump				
2A-DGMAINLUBE	NC	PD		N/A	M-83-4	B3	Differential Pressure	M3			EXE00-04
							Flow Rate	M3			EXE00-04
							Vibration	M3			EXE00-04
							Pump Name 2A DG Main Lube Oil Pump				
2A-DGOILCIRC	NC	PD	Motor	N/A	M-83-4	B5	Differential Pressure	M3			EXE00-04
							Flow Rate	M3			EXE00-04
							Vibration	M3			EXE00-04
							Pump Name 2A DG Oil Circulating Pump				

Diesel Generator (Page 4)

Pump EPN	Safety Class	Pump Type	Pump Driver	Nominal Speed	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2A-DGPISTON	NC	PD	ENGINE	NA	M-83-4	B2	Differential Pressure	M3			EXE00-04
							Flow Rate	M3			EXE00-04
							Vibration	M3			EXE00-04
							Pump Name 2A DG Piston Cooling Oil Pump				
2A-DGSCAVENGE	3	PD	ENGINE	N/A	M-83-4	B4	Differential Pressure	M3			EXE00-04
							Flow Rate	M3			EXE00-04
							Vibration	M3			EXE00-04
							Pump Name 2A DG Scavenging Oil Pump				
2B-ACSOAKBACK	3	PD	Motor	N/A	M-83-4	E6	Differential Pressure	M3			EXE00-04
							Flow Rate	M3			EXE00-04
							Vibration	M3			EXE00-04
							Pump Name 2B DG AC Soak Back Pump				
2B-DCSOAKBACK	3	PD	Motor	N/A	M-83-4	E6	Differential Pressure	M3			EXE00-04
							Flow Rate	M3			EXE00-04
							Vibration	M3			EXE00-04
							Pump Name 2B DG DC Soak Back Pump				
2B-DGMAINLUBE	NC	PD		N/A	M-83-4	E3	Differential Pressure	M3			EXE00-04
							Flow Rate	M3			EXE00-04
							Vibration	M3			EXE00-04
							Pump Name 2B DG Main Lube Oil Pump				
2B-DGOILCIRC	NC	PD	Motor	N/A	M-83-4	E5	Differential Pressure	M3			EXE00-04
							Flow Rate	M3			EXE00-04
							Vibration	M3			EXE00-04
							Pump Name 2B DG Oil Circulating Pump				
2B-DGPISTON	NC	PD	ENGINE	NA	M-83-4	E2	Differential Pressure	M3			EXE00-04
							Flow Rate	M3			EXE00-04
							Vibration	M3			EXE00-04
							Pump Name 2B DG Piston Cooling Oil Pump				
2B-DGSCAVENGE	3	PD	ENGINE	N/A	M-83-4	E4	Differential Pressure	M3			EXE00-04
							Flow Rate	M3			EXE00-04
							Vibration	M3			EXE00-04
							Pump Name 2B DG Scavenging Oil Pump				

Diesel Generator (Page 5)

Pump EPN	Safety Class	Pump Type	Pump Driver	Nominal Speed	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2DG01P	3	C	Motor	N/A	134-1	D7	Differential Pressure	M3			
							Flow Rate	M3			
							Vibration	M3			

Pump Name 2A Diesel Generator Cooling Water Pump

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**Revision Date:** 08/17/01

Diesel Fuel Oil (Page 1)

Pump EPN	Safety Class	Pump Type	Pump Driver	Nominal Speed	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
0DO01P	3	C	Motor	N/A	85-1	C4	Differential Pressure	M3			EXE00-04
							Flow Rate	M3			EXE00-04
							Vibration	M3			EXE00-04
							Pump Name 0 Diesel Generator Fuel Transfer Pump				
1DO01P	3	C	Motor	N/A	85-1	C6	Differential Pressure	M3			EXE00-04
							Flow Rate	M3			EXE00-04
							Vibration	M3			EXE00-04
							Pump Name 1A Diesel Generator Fuel Transfer Pump				
1DO02P	3	C	Motor	N/A	85-1	C1	Differential Pressure	M3			EXE00-04
							Flow Rate	M3			EXE00-04
							Vibration	M3			EXE00-04
							Pump Name 1B Diesel Generator Fuel Transfer Pump				
2DO01P	3	C	Motor	N/A	132	C6	Differential Pressure	M3			EXE00-04
							Flow Rate	M3			EXE00-04
							Vibration	M3			EXE00-04
							Pump Name 2A Diesel Generator Fuel Transfer Pump				
2DO02P	3	C	Motor	N/A	132	C4	Differential Pressure	M3			EXE00-04
							Flow Rate	M3			EXE00-04
							Vibration	M3			EXE00-04
							Pump Name 2B Diesel Generator Fuel Transfer Pump				



Fuel Pool Cooling (Page 1)

Pump EPN	Safety Class	Pump Type	Pump Driver	Nominal Speed	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1FC03PA	3	C	Motor	N/A	87-2	E7	Differential Pressure	M3			
							Flow Rate	M3			
							Vibration	M3			
Pump Name 1A Fuel Pool Emergency Make-Up Pump											
1FC03PB	3	C	Motor	N/A	87-1	C7	Differential Pressure	M3			
							Flow Rate	M3			
							Vibration	M3			
Pump Name 1B Fuel Pool Emergency Make-Up Pump											
2FC03PA	3	C	Motor	N/A	134-2	E7	Differential Pressure	M3			
							Flow Rate	M3			
							Vibration	M3			
Pump Name 2A Fuel Pool Emergency Make-Up Pump											
2FC03PB	3	C	Motor	N/A	134-1	C7	Differential Pressure	M3			
							Flow Rate	M3			
							Vibration	M3			
Pump Name 2B Fuel Pool Emergency Make-Up Pump											

High Pressure Core Spray (Page 1)

Pump EPN	Safety Class	Pump Type	Pump Driver	Nominal Speed	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1E22-C001	2	VLS	Motor	N/A	95	C2	Differential Pressure	M3			
							Flow Rate	M3			
							Vibration	M3			
Pump Name U-1 High Pressure Core Spray Pump											
1E22-C002	3	C	Motor	N/A	87-1	B7	Differential Pressure	M3			
							Flow Rate	M3			
							Vibration	M3			
Pump Name U-1 (HPCS) Diesel Gen Cooling Water Pump											
1E22-C003	2	C	Motor	N/A	95	D4	Differential Pressure	M3			
							Flow Rate	M3	RP-01		
							Vibration	M3			
Pump Name U-1 High Pressure Spray Water Leg Pump											
2E22-C001	2	VLS	Motor	N/A	141	C2	Differential Pressure	M3			
							Flow Rate	M3			
							Vibration	M3			
Pump Name U-2 High Pressure Core Spray Pump											
2E22-C002	3	C	Motor	N/A	134-1	B7	Differential Pressure	M3			
							Flow Rate	M3			
							Vibration	M3			
Pump Name U-2 (HPCS) Diesel Gen Cooling Water Pump											
2E22-C003	2	C	Motor	N/A	141	D4	Differential Pressure	M3			
							Flow Rate	M3	RP-01		
							Vibration	M3			
Pump Name U-2 High Pressure Spray Water Leg Pump											

Low Pressure Core Spray (Page 1)

Pump EPN	Safety Class	Pump Type	Pump Driver	Nominal Speed	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1E21-C001	2	VLS	Motor	N/A	94	B2	Differential Pressure	M3			
							Flow Rate	M3			
							Vibration	M3			
							Pump Name U-1 Low Pressure Core Spray Pump				
1E21-C002	2	C	Motor	N/A	94	B3	Differential Pressure	M3			
							Flow Rate	M3	RP-01		
							Vibration	M3			
							Pump Name U-1 Low Press Core Spray Water Leg Pump				
2E21-C001	2	VLS	Motor	N/A	140	B2	Differential Pressure	M3			
							Flow Rate	M3			
							Vibration	M3			
							Pump Name U-1 Low Pressure Core Spray Pump				
2E21-C002	2	C	Motor	N/A	140	B3	Differential Pressure	M3			
							Flow Rate	M3	RP-01		
							Vibration	M3			
							Pump Name U-2 Low Press Core Spray Water Leg Pump				

Residual Heat Removal (Page 1)

Pump EPN	Safety Class	Pump Type	Pump Driver	Nominal Speed	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1E12-C002A	2	VLS	Motor	N/A	96-1	A5	Differential Pressure	M3			
							Flow Rate	M3			
							Vibration	M3			
Pump Name 1A Residual Heat Removal Pump											
1E12-C002B	2	VLS	Motor	N/A	96-2	B4	Differential Pressure	M3			
							Flow Rate	M3			
							Vibration	M3			
Pump Name 1B Residual Heat Removal Pump											
1E12-C002C	2	VLS	Motor	N/A	96-3	C5	Differential Pressure	M3			
							Flow Rate	M3			
							Vibration	M3			
Pump Name 1C Residual Heat Removal Pump (LPCI)											
1E12-C003	2	C	Motor	N/A	96-3	A7	Differential Pressure	M3			
							Flow Rate	M3	RP-01		
							Vibration	M3			
Pump Name U-1 B/C RHR Water Leg Pump (DIV. II)											
1E12-C300A	3	C	Motor	N/A	87-2	A7	Differential Pressure	M3			
							Flow Rate	M3			
							Vibration	M3			
Pump Name 1A RHR Service Water Pump (DIV. I)											
1E12-C300B	3	C	Motor	N/A	87-2	B7	Differential Pressure	M3			
							Flow Rate	M3			
							Vibration	M3			
Pump Name 1B RHR Service Water Pump (DIV. I)											
1E12-C300C	3	C	Motor	N/A	87-1	E7	Differential Pressure	M3			
							Flow Rate	M3			
							Vibration	M3			
Pump Name 1C RHR Service Water Pump (DIV. II)											
1E12-C300D	3	C	Motor	N/A	87-1	F7	Differential Pressure	M3			
							Flow Rate	M3			
							Vibration	M3			
Pump Name 1D RHR Service Water Pump (DIV. II)											

Revision Date: 08/17/01

Residual Heat Removal (Page 2)

Pump EPN	Safety Class	Pump Type	Pump Driver	Nominal Speed	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2E12-C002A	2	VLS	Motor	N/A	142-1	A5	Differential Pressure	M3			
							Flow Rate	M3			
							Vibration	M3			
Pump Name 2A Residual Heat Removal Pump											
2E12-C002B	2	VLS	Motor	N/A	142-2	B4	Differential Pressure	M3			
							Flow Rate	M3			
							Vibration	M3			
Pump Name 2B Residual Heat Removal Pump											
2E12-C002C	2	VLS	Motor	N/A	142-3	C5	Differential Pressure	M3			
							Flow Rate	M3			
							Vibration	M3			
Pump Name 2C Residual Heat Removal Pump (LPCI)											
2E12-C003	2	C	Motor	N/A	142-3	A7	Differential Pressure	M3			
							Flow Rate	M3	RP-01		
							Vibration	M3			
Pump Name U-2 B/C RHR Water Leg Pump (DIV. II)											
2E12-C300A	3	C	Motor	N/A	134-2	A7	Differential Pressure	M3			
							Flow Rate	M3			
							Vibration	M3			
Pump Name 2A Service Water Pump (DIV. I)											
2E12-C300B	3	C	Motor	N/A	134-2	B7	Differential Pressure	M3			
							Flow Rate	M3			
							Vibration	M3			
Pump Name 2B Service Water Pump (DIV. I)											
2E12-C300C	3	C	Motor	N/A	134-1	E7	Differential Pressure	M3			
							Flow Rate	M3			
							Vibration	M3			
Pump Name 2C Service Water Pump (DIV. II)											
2E12-C300D	3	C	Motor	N/A	134-1	F7	Differential Pressure	M3			
							Flow Rate	M3			
							Vibration	M3			
Pump Name 2D Service Water Pump (DIV. II)											

Reactor Core Isolation Cooling (Page 1)

Pump EPN	Safety Class	Pump Type	Pump Driver	Nominal Speed	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1E51-C001	2	C	Turbine	N/A	101-2	C2	Differential Pressure	M3			
							Flow Rate	M3			
							Speed	M3			
							Vibration	M3			
Pump Name U-1 Reactor Core Isolation Cooling Pump											
1E51-C003	2	C	Motor	N/A	101-2	A4	Differential Pressure	M3			
							Flow Rate	M3	RP-01		
							Vibration	M3			
Pump Name U-1 RCIC Water Leg Pump											
2E51-C001	2	C	Turbine	N/A	147-2	C2	Differential Pressure	M3			
							Flow Rate	M3			
							Speed	M3			
							Vibration	M3			
Pump Name U-2 Reactor Core Isolation Cooling Pump											
2E51-C003	2	C	Motor	N/A	147-2	A4	Differential Pressure	M3			
							Flow Rate	M3	RP-01		
							Vibration	M3			
Pump Name U-2 RCIC Water Leg Pump											

Standby Liquid Control (Page 1)

Pump EPN	Safety Class	Pump Type	Pump Driver	Nominal Speed	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1C41-C001A	2	PD	Motor	N/A	99	C4	Discharge Pressure	M3			
							Flow Rate	M3			
							Vibration	M3			
							Pump Name 1A Standby Liquid Control Pump				
1C41-C001B	2	PD	Motor	N/A	99	C4	Discharge Pressure	M3			
							Flow Rate	M3			
							Vibration	M3			
							Pump Name 1B Standby Liquid Control Pump				
2C41-C001A	2	PD	Motor	N/A	145	B4	Discharge Pressure	M3			
							Flow Rate	M3			
							Vibration	M3			
							Pump Name 2A Standby Liquid Control Pump				
2C41-C001B	2	PD	Motor	N/A	145	B4	Discharge Pressure	M3			
							Flow Rate	M3			
							Vibration	M3			
							Pump Name 2B Standby Liquid Control Pump				

**ATTACHMENT 15**

**INSERVICE TESTING VALVE TABLE INDEX**

<b><u>System Designator</u></b>	<b><u>System Description</u></b>
CM	Containment Monitoring
DG	Diesel Generator
DO	Diesel Fuel Oil
FC	Fuel Pool Cooling
FW	Feedwater
HG	Containment Combustible Gas Control
HP	High Pressure Core Spray
IA	Instrument Air
IN	Instrument Nitrogen
LP	Low Pressure Core Spray
MS	Main Steam
NB	Nuclear Boiler
NR	Neutron Monitoring
PC	Primary Containment
RD	Control Rod Drive
RE	Reactor Building Equipment Drains & Floor Drains
RH	Residual Heat Removal
RI	Reactor Core Isolation Cooling
RR	Reactor Recirculation
RT	Reactor Water Cleanup
SC	Standby Liquid Control
VG	Standby Gas Treatment
VP	Primary Containment Chilled Water
VQ	Primary Containment Purge
WR	Reactor Building Closed Cooling Water



**ATTACHMENT 16**

**INSERVICE TESTING VALVE TABLE**

LaSalle Station  
IST PROGRAM PLAN

Containment Monitoring (Page 1)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1CM-CK-2A	NC	C	0.5	CK	SA	A	SYS	O	M-156-1	C4	CO	M3			EXE00-04
Valve Name CAM-Reagent Gas Supply Check Valve															
1CM-CK-2B	NC	C	0.5	CK	SA	A	SYS	O	M-156-2	C4	CO	M3			EXE00-04
Valve Name CAM-Reagent Gas Supply Check Valve															
1CM-CK-4A	NC	C	0.5	CK	SA	A	SYS	O	M-156-1	C2	CO	M3			EXE00-04
Valve Name CAM-Reagent Gas Supply Check Valve															
1CM-CK-4B	NC	C	0.5	CK	SA	A	SYS	O	M-156-2	C2	CO	M3			EXE00-04
Valve Name CAM-Reagent Gas Supply Check Valve															
1CM-PP CK-A	NC	C	0.5	CK	SA	A	SYS	O	M-156-1	B4	CO	M3			EXE00-04
Valve Name CAM-Sample Pump Discharge Check Valve															
1CM-PP CK-B	NC	C	0.5	CK	SA	A	SYS	O	M-156-2	B4	CO	M3			EXE00-04
Valve Name CAM-Sample Pump Discharge Check Valve															
1CM002	2	AC	0.75	XFC	SA	A	SYS	C	M-156-3	C6	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Sup Pool Level Xmtr 1lt-cm032 Hi Press EFV															
CM004	2	AC	0.75	XFC	SA	A	SYS	C	M-92-2	B3	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Sup Pool Level Xmtr 1lt-cm032 Lo Press EFV															
1CM010	2	AC	0.75	XFC	SA	A	SYS	C	M-156-3	C7	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Sup Pool Wide Rng Lvl Xmtr 1lt-cm030 Hi Press EFV															
1CM012	2	AC	0.75	XFC	SA	A	SYS	C	M-92-2	C6	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Sup Pool Wide Rng Lvl Xmtr 1lt-cm030 Lo Press EFV															
1CM017A	2	A	0.5	GL	SO	A	O	C	M-156-1	F7	FC	M3			TP-04
											LT	AJ			
											PI	Y2			
											SC	M3			
Valve Name Supp Chamber/DW O2 Monitor Inlet Isol Valve															

Revision Date: 08/17/01

LaSalle Station  
IST PROGRAM PLAN

Containment Monitoring (Page 2)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1CM017B	2	A	0.5	GL	SO	A	O	C	M-156-2	F7	FC	M3			TP-04
											LT	AJ			
											PI	Y2			
											SC	M3			
Valve Name Tritium Grab Sample Station Inlet Isol Valve															
1CM018A	2	A	0.5	GL	SO	A	O	C	M-156-1	E7	FC	M3			TP-04
											LT	AJ			
											PI	Y2			
											SC	M3			
Valve Name Supp Chamber/DW O2 Monitor Inlet Isol Valve															
1CM018B	2	A	0.5	GL	SO	A	O	C	M-156-2	F7	FC	M3			TP-04
											LT	AJ			
											PI	Y2			
											SC	M3			
Valve Name Tritium Grab Sample Station Inlet Isol Valve															
1CM019A	2	A	0.5	GL	SO	A	O	C	M-156-1	B7	FC	M3			TP-04
											LT	AJ			
											PI	Y2			
											SC	M3			
Valve Name Supp Chamber/DW O2 Monitor Outlet Isol Valve															
1CM019B	2	A	0.5	GL	SO	A	O	C	M-156-2	B7	FC	M3			TP-04
											LT	AJ			
											PI	Y2			
											SC	M3			
Valve Name Tritium Grab Sample Station Outlet Isol Valve															
1CM020A	2	A	0.5	GL	SO	A	O	C	M-156-1	B7	FC	M3			TP-04
											LT	AJ			
											PI	Y2			
											SC	M3			
Valve Name Supp Chamber/DW O2 Monitor Outlet Isol Valve															
1CM020B	2	A	0.5	GL	SO	A	O	C	M-156-2	B7	FC	M3			TP-04
											LT	AJ			
											PI	Y2			
											SC	M3			
Valve Name Tritium Grab Sample Station Outlet Isol Valve															
1CM021B	2	B	0.5	GL	SO	A	C	O/C	M-156-2	E3	FO	M3			
											PI	Y2			
											SC	M3			
											SO	M3			
Valve Name Post LOCA H2/O2 Cnt Mon Pnl DW Sample Isol Vlv															

Revision Date: 08/17/01

Containment Monitoring (Page 3)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1CM022A	2	B	0.5	GL	SO	A	C	O/C	M-156-1	E3	FO	M3			
											PI	Y2			
											SC	M3			
											SO	M3			
Valve Name Post LOCA H2/O2 Cnt Mon Pnl DW Sample Isol Vlv															
1CM023B	2	B	0.5	GL	SO	A	C	O/C	M-156-2	E3	FO	M3			
											PI	Y2			
											SC	M3			
											SO	M3			
Valve Name Post LOCA H2/O2 Cnt Mon Pnl DW Sample Isol Vlv															
1CM024A	2	B	0.5	GL	SO	A	C	O/C	M-156-1	E3	FO	M3			
											PI	Y2			
											SC	M3			
											SO	M3			
Valve Name Post LOCA H2/O2 Cnt Mon Pnl DW Sample Isol Vlv															
1CM025A	2	B	0.5	GL	SO	A	C	O/C	M-156-1	A4	FO	M3			
											PI	Y2			
											SC	M3			
											SO	M3			
Valve Name Post LOCA H2/O2 Mon Pnl Sup Chbr Retrn Isol Vlv															
1CM026B	2	B	0.5	GL	SO	A	C	O/C	M-156-2	A4	FO	M3			
											PI	Y2			
											SC	M3			
											SO	M3			
Valve Name Post LOCA H2/O2 Mon Pnl Sup Chbr Retrn Isol Vlv															
1CM027	2	A	0.5	GL	SO	A	O	C	M-156-4	E8	FC	M3			
											LT	AJ			TP-04
											PI	Y2			
											SC	M3			
Valve Name Pri Cnmt CAM Sup Chbr Inlet Upstrm Isol Valve															
1CM028	2	A	0.5	GL	SO	A	O	C	M-156-4	E8	FC	M3			
											LT	AJ			TP-04
											PI	Y2			
											SC	M3			
Valve Name Pri Cnmt CAM Sup Chbr Inlet Dwnst Isol Valve															
1CM029	2	A	0.5	GL	SO	A	O	C	M-156-4	F8	FC	M3			
											LT	AJ			TP-04
											PI	Y2			
											SC	M3			
Valve Name Pri Cnmt CAM Dw Inlet Upstrm Isol Valve															

Revision Date: 08/17/01

Containment Monitoring (Page 4)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1CM030	2	A	0.5	GL	SO	A	O	C	M-156-4	E8	FC LT PI SC	M3 AJ Y2 M3			TP-04
Valve Name Pri Cnmt CAM Dw Inlet Dwnst Isol Valve															
1CM031	2	A	1.5	GL	SO	A	O	C	M-156-4	C6	FC LT PI SC	M3 AJ Y2 M3			TP-04
Valve Name Pri Cnmt 24 Point CAM Inlet Upstrm Isol Valve															
1CM032	2	A	1.5	GL	SO	A	O	C	M-156-4	C6	FC LT PI SC	M3 AJ Y2 M3			TP-04
Valve Name Pri Cnmt 24 Point CAM Inlet Dwnst Isol Valve															
1CM033	2	A	1.5	GL	SO	A	O	C	M-156-4	B7	FC LT PI SC	M3 AJ Y2 M3			TP-04
Valve Name Pri Cnmt CAM Sample Panel Outlet Upstrm Valve															
1CM034	2	A	1.5	GL	SO	A	O	C	M-156-4	B7	FC LT PI SC	M3 AJ Y2 M3			TP-04
Valve Name Pri Cnmt CAM Sample Panel Outlet Dwnst Valve															
1CM085	2	A	0.5	GL	SO	A	C	C	M-156-2	E3	FC LT PI SC	M3 AJ Y2 M3			TP-04
Valve Name Containment Air Sample HRSS Stop Valve															
1CM086	2	A	0.5	GL	SO	A	C	C	M-156-2	E3	FC LT PI SC	M3 AJ Y2 M3			TP-04
Valve Name Containment Air Sample HRSS Stop Valve															
1CM089	2	A	0.5	GL	SO	A	C	C	M-156-2	A3	FC LT PI SC	M3 AJ Y2 M3			TP-04
Valve Name Containment Air Sample HRSS Return Valve															

Revision Date: 08/17/01

Containment Monitoring (Page 5)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1CM090	2	A	0.5	GL	SO	A	C	C	M-156-2	A3	FC	M3			
											LT	AJ			TP-04
											PI	Y2			
											SC	M3			
Valve Name Containment Air Sample HRSS Return Valve															
1CM102	2	AC	0.75	XFC	SA	A	SYS	C	M-156-3	E5	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Emer Range DW Press Xmtr 1pt-cm180 EFV															
2CM-CK-2A	NC	C	0.5	CK	SA	A	SYS	O	M-158-1	C4	CO	M3			EXE00-04
Valve Name CAM-Reagent Gas Supply Check Valve															
2CM-CK-2B	NC	C	0.5	CK	SA	A	SYS	O	M-158-2	C4	CO	M3			EXE00-04
Valve Name CAM-Reagent Gas Supply Check Valve															
2CM-CK-4A	NC	C	0.5	CK	SA	A	SYS	O	M-158-1	C2	CO	M3			EXE00-04
Valve Name CAM-Reagent Gas Supply Check Valve															
2CM-CK-4B	NC	C	0.5	CK	SA	A	SYS	O	M-158-2	C2	CO	M3			EXE00-04
Valve Name CAM-Reagent Gas Supply Check Valve															
2CM-PP CK-A	NC	C	0.5	CK	SA	A	SYS	O	M-158-1	B4	CO	M3			EXE00-04
Valve Name CAM-Sample Pump Discharge Check Valve															
2CM-PP CK-B	NC	C	0.5	CK	SA	A	SYS	O	M-158-2	B4	CO	M3			EXE00-04
Valve Name CAM-Sample Pump Discharge Check Valve															
2CM002	2	AC	0.75	XFC	SA	A	SYS	C	M-158-3	C6	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Sup Pool Level Xmtr 2ft-cm032 Hi Press EFV															
2CM004	2	AC	0.75	XFC	SA	A	SYS	C	M-138-2	B3	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Sup Pool Level Xmtr 2ft-cm032 Lo Press EFV															
2CM010	2	AC	0.75	XFC	SA	A	SYS	C	M-158-3	C7	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Sup Pool Wide Rng Lvl Xmtr 2ft-cm030 Hi Press EFV															

Containment Monitoring (Page 6)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2CM012	2	AC	0.75	XFC	SA	A	SYS	C	M-138-2	C6	CC	RR		RJ-11	EXE01-01 EXE98-02
											CO	OP			
											LT	Y10			
											PI	Y2			
Valve Name Sup Pool Wide Rng Lvl Xmtr 2lt-cm030 Lo Press EFV															
2CM017A	2	A	0.5	GL	SO	A	O	C	M-158-1	F7	FC	M3			TP-04
											LT	AJ			
											PI	Y2			
											SC	M3			
Valve Name Supp Chamber/DW O2 Monitor Inlet Isol Valve															
2CM017B	2	A	0.5	GL	SO	A	O	C	M-158-2	F7	FC	M3			TP-04
											LT	AJ			
											PI	Y2			
											SC	M3			
Valve Name Tritium Grab Sample Station Inlet Isol Valve															
2CM018A	2	A	0.5	GL	SO	A	O	C	M-158-1	F7	FC	M3			TP-04
											LT	AJ			
											PI	Y2			
											SC	M3			
Valve Name Supp Chamber/DW O2 Monitor Inlet Isol Valve															
2CM018B	2	A	0.5	GL	SO	A	O	C	M-158-2	F7	FC	M3			TP-04
											LT	AJ			
											PI	Y2			
											SC	M3			
Valve Name Tritium Grab Sample Station Inlet Isol Valve															
2CM019A	2	A	0.5	GL	SO	A	O	C	M-158-1	B7	FC	M3			TP-04
											LT	AJ			
											PI	Y2			
											SC	M3			
Valve Name Supp Chamber/DW O2 Monitor Outlet Isol Valve															
2CM019B	2	A	0.5	GL	SO	A	O	C	M-158-2	B7	FC	M3			TP-04
											LT	AJ			
											PI	Y2			
											SC	M3			
Valve Name Tritium Grab Sample Station Outlet Isol Valve															
2CM020A	2	A	0.5	GL	SO	A	O	C	M-158-1	B7	FC	M3			TP-04
											LT	AJ			
											PI	Y2			
											SC	M3			
Valve Name Supp Chamber/DW O2 Monitor Outlet Isol Valve															

Revision Date: 08/17/01

Containment Monitoring (Page 7)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2CM020B	2	A	0.5	GL	SO	A	O	C	M-158-2	B7	FC	M3			TP-04
											LT	AJ			
											PI	Y2			
											SC	M3			
Valve Name Tritium Grab Sample Station Outlet Isol Valve															
2CM021B	2	B	0.5	GL	SO	A	C	O/C	M-158-2	E3	FO	M3			
											PI	Y2			
											SC	M3			
											SO	M3			
Valve Name Post LOCA H2/O2 Cnt Mon Pnl DW Sample Isol Vlv															
2CM022A	2	B	0.5	GL	SO	A	C	O/C	M-158-1	E3	FO	M3			
											PI	Y2			
											SC	M3			
											SO	M3			
Valve Name Post LOCA H2/O2 Cnt Mon Pnl DW Sample Isol Vlv															
2CM023B	2	B	0.5	GL	SO	A	C	O/C	M-158-2	E3	FO	M3			
											PI	Y2			
											SC	M3			
											SO	M3			
Valve Name Post LOCA H2/O2 Cnt Mon Pnl DW Sample Isol Vlv															
2CM024A	2	B	0.5	GL	SO	A	C	O/C	M-158-1	E3	FO	M3			
											PI	Y2			
											SC	M3			
											SO	M3			
Valve Name Post LOCA H2/O2 Cnt Mon Pnl DW Sample Isol Vlv															
2CM025A	2	B	0.5	GL	SO	A	C	O/C	M-158-1	A4	FO	M3			
											PI	Y2			
											SC	M3			
											SO	M3			
Valve Name Post LOCA H2/O2 Mon Pnl Sup Chbr Retrn Isol Vlv															
2CM026B	2	B	0.5	GL	SO	A	C	O/C	M-158-2	A4	FO	M3			
											PI	Y2			
											SC	M3			
											SO	M3			
Valve Name Post LOCA H2/O2 Mon Pnl Sup Chbr Retrn Isol Vlv															
2CM027	2	A	0.5	GL	SO	A	O	C	M-158-4	E8	FC	M3			TP-04
											LT	AJ			
											PI	Y2			
											SC	M3			
Valve Name Pri Cnmt CAM Sup Chbr Inlet Upstrm Isol Valve															



Containment Monitoring (Page 8)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2CM028	2	A	0.5	GL	SO	A	O	C	M-158-4	E8	FC LT PI SC	M3 AJ Y2 M3			TP-04
Valve Name Pri Cnmt CAM Sup Chbr Inlet Dwnst Isol Valve															
2CM029	2	A	0.5	GL	SO	A	O	C	M-158-4	F8	FC LT PI SC	M3 AJ Y2 M3			TP-04
Valve Name Pri Cnmt CAM Dw Inlet Upstrm Isol Valve															
2CM030	2	A	0.5	GL	SO	A	O	C	M-158-4	E8	FC LT PI SC	M3 AJ Y2 M3			TP-04
Valve Name Pri Cnmt CAM Dw Inlet Dwnst Isol Valve															
2CM031	2	A	1.5	GL	SO	A	O	C	M-158-4	C6	FC LT PI SC	M3 AJ Y2 M3			TP-04
Valve Name Pri Cnmt 24 Point CAM Inlet Upstrm Isol Valve															
2CM032	2	A	1.5	GL	SO	A	O	C	M-158-4	C6	FC LT PI SC	M3 AJ Y2 M3			TP-04
Valve Name Pri Cnmt 24 Point CAM Inlet Dwnst Isol Valve															
2CM033	2	A	1.5	GL	SO	A	O	C	M-158-4	B7	FC LT PI SC	M3 AJ Y2 M3			TP-04
Valve Name Pri Cnmt CAM Sample Panel Outlet Upstrm Valve															
2CM034	2	A	1.5	GL	SO	A	O	C	M-158-4	B6	FC LT PI SC	M3 AJ Y2 M3			TP-04
Valve Name Pri Cnmt CAM Sample Panel Outlet Dwnst Valve															
2CM085	2	A	0.5	GL	SO	A	C	C	M-158-2	E3	FC LT PI SC	M3 AJ Y2 M3			TP-04
Valve Name Containment Air Sample HRSS Stop Valve															

Revision Date: 08/17/01

Containment Monitoring (Page 9)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2CM086	2	A	0.5	GL	SO	A	C	C	M-158-2	E2	FC	M3			
											LT	AJ			TP-04
											PI	Y2			
											SC	M3			
Valve Name Containment Air Sample HRSS Stop Valve															
2CM089	2	A	0.5	GL	SO	A	C	C	M-158-2	A3	FC	M3			
											LT	AJ			TP-04
											PI	Y2			
											SC	M3			
Valve Name Containment Air Sample HRSS Return Valve															
2CM090	2	A	0.5	GL	SO	A	C	C	M-158-2	A3	FC	M3			
											LT	AJ			TP-04
											PI	Y2			
											SC	M3			
Valve Name Containment Air Sample HRSS Return Valve															
2CM102	2	AC	0.75	XFC	SA	A	SYS	C	M-158-3	E5	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Emer Range DW Press Xmtr 2pt-cm180 EFV															

LaSalle Station  
IST PROGRAM PLAN

Diesel Generator (Page 1)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
0DG002	3	C	12	CK	SA	A	SYS	O	M-87-2	D6	CCD	CM			CWE00-02
											COD	CM			CWE00-02
											COF	M3			
Valve Name 0 DG Cooling Water Pump Dsch Check Valve															
0DG009	3	B	4	GA	MO	A	C	O/C	M-87-2	C5	SC	M3			
											SO	M3			
Valve Name DG Cooling Water Strainer Backwash Valve															
0DG014	3	C	0.75 x 1	RV	SA	A	C	O	M-87-2	D4	RT	Y10			
Valve Name 0 DG Cooler Inlet Header Relief Valve															
0DG023A	3	C	1	CK	SA	A	SYS	C	M-83-2	E6	CC	M3			
											CO	M3			
Valve Name 0 DG A Starting Air Compressor Dsch Check Valve															
0DG023B	3	C	1	CK	SA	A	SYS	C	M-83-2	F6	CC	M3			
											CO	M3			
Valve Name 0 DG B Starting Air Compressor Dsch Check Valve															
0DG029A	3	C	0.75 x 1	RV	SA	A	C	O/C	M-83-2	E6	RT	Y10			
Valve Name 0 DG A Starting Air Receiver Relief Valve															
0DG029B	3	C	0.75 x 1	RV	SA	A	C	O/C	M-83-2	F6	RT	Y10			
Valve Name 0 DG B Starting Air Receiver Relief Valve															
0DG035A	NC	B	2	GA	AO	A	C	O	M-83-2	E3	SO	M3			EXE00-04
Valve Name 0 DG A/C Starting Air Motors Supply Control Valve															
0DG035B	NC	B	2	GA	AO	A	C	O	M-83-2	F3	SO	M3			EXE00-04
Valve Name 0 DG B/D Starting Air Motors Supply Control Valve															
0DG036A	NC	B	2	3W	SO	A	D	E/D	M-83-2	D4	SD	M3			EXE00-04
											SE	M3			EXE00-04
Valve Name 0 DG A/C Starting Air Motors Pinion Supply SOV															
0DG036B	NC	B	2	3W	SO	A	D	E/D	M-83-2	E4	SD	M3			EXE00-04
											SE	M3			EXE00-04
Valve Name 0 DG B/D Starting Air Motors Pinion Supply SOV															
0DG038A	NC	C	2	CK	SA	A	SYS	C	M-83-2	D3	CC	M3			EXE00-04
Valve Name 0 DG A/C Starting Air Mtrs Pinion Sup Bleed Off CV															
0DG038B	NC	C	2	CK	SA	A	SYS	C	M-83-2	E3	CC	M3			EXE00-04
Valve Name 0 DG B/D Starting Air Mtrs Pinion Sup Bleed Off CV															
0DG048A	3	C	1	CK	SA	A	SYS	O/C	M-83-4	B6	CC	M3			EXE00-04
											CO	M3			EXE00-04
Valve Name 0 DG Lube Oil DC Soak Back Pump Dsch Check Valve															

Revision Date: August 17, 2001

Diesel Generator (Page 2)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
0DG048B	3	C	1	CK	SA	A	SYS	O/C	M-83-4	B6	CC CO	M3 M3			EXE00-04 EXE00-04
Valve Name 0 DG Lube Oil AC Soak Back Pump Dsch Check Valve															
0DG049	NC	C	1	CK	SA	A	SYS	O/C	M-83-4	C5	CC CO	M3 M3			EXE00-04 EXE00-04
Valve Name 0 DG Lube Oil Circ Pump Dsch Relief Check Valve															
0DG050	3	C	1	CK	SA	A	SYS	C	M-83-4	C5	CC	M3			EXE00-04
Valve Name 0 Dg Lube Oil Soak Back Pumps Dsch Relief CV															
0DG051	3	C	0.5	CK	SA	A	SYS	O/C	M-83-4	B3	CC CO	M3 M3			EXE00-04 EXE00-04
Valve Name 0 DG Lube Oil Cooler Outlet Check Valve															
0DGABC	NC	C	1	CK	SA	A	SYS	O/C	M-83-4	C8	CC CO	M3 M3			EXE00-04 EXE00-04
Valve Name 0 DG Turbocharger Check Valve															
0DGXYZ	NC	C	1	CK	SA	A	C	O/C	M-83-4	C8	CC CO	M3 M3			EXE00-04 EXE00-04
Valve Name Diesel Generator Turbocharger Check Valve (*)															
1DG002	3	C	10	CK	SA	A	SYS	O	M-87-1	D6	CCD COD COF	CM CM M3			CWE00-02 CWE00-02
Valve Name 1A DG Cooling Water Pump Dsch Check Valve															
1DG011	3	B	4	GA	MO	A	C	O/C	M-87-1	D6	SC SO	M3 M3			
Valve Name DG Cooling Water Strainer Backwash Valve															
1DG034	3	C	0.75 x 1	RV	SA	A	C	O	M-87-1	D4	RT	Y10			
Valve Name 1A DG Cooler Outlet Header Relief Valve															
1DG049A	3	C	1	CK	SA	A	SYS	C	M-83-1	B6	CC CO	M3 M3			
Valve Name 1A DG A Starting Air Compressor Dsch Check Valve															
1DG049B	3	C	1	CK	SA	A	SYS	C	M-83-1	C6	CC CO	M3 M3			
Valve Name 1A DG B Starting Air Compressor Dsch Check Valve															
1DG055A	3	C	0.75 x 1	RV	SA	A	C	O/C	M-83-1	C6	RT	Y10			
Valve Name 1A DG A Starting Air Receiver Relief Valve															
1DG055B	3	C	0.75 x 1	RV	SA	A	C	O/C	M-83-1	D6	RT	Y10			
Valve Name 1A DG B Starting Air Receiver Relief Valve															
1DG061A	NC	B	2	GA	AO	A	C	O	M-83-1	B3	SO	M3			EXE00-04
Valve Name 1A DG A/C Starting Air Motors Supply Control Valve															

Revision Date: August 17, 2001

LaSalle Station  
IST PROGRAM PLAN

Diesel Generator (Page 3)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1DG061B	NC	B	2	GA	AO	A	C	O	M-83-1	C3	SO	M3			EXE00-04
Valve Name 1A DG B/D Starting Air Motors Supply Control Valve															
1DG062A	NC	B	2	3W	SO	A	D	E/D	M-83-1	B4	SD	M3			EXE00-04
											SE	M3			EXE00-04
Valve Name 1A DG A/C Starting Air Motors Pinion Supply SOV															
1DG062B	NC	B	2	3W	SO	A	D	E/D	M-83-1	C4	SD	M3			EXE00-04
											SE	M3			EXE00-04
Valve Name 1A DG B/D Starting Air Motors Pinion Supply SOV															
1DG064A	NC	C	2	CK	SA	A	SYS	C	M-83-1	B3	CC	M3			EXE00-04
Valve Name 1A DG A/C Starting Air Motors Pinion Supply Bleed Off CV															
1DG064B	NC	C	2	CK	SA	A	SYS	C	M-83-1	C3	CC	M3			EXE00-04
Valve Name 1A DG B/D Starting Air Motors Pinion Supply Bleed Off CV															
1DG083A	3	C	1	CK	SA	A	SYS	O/C	M-83-4	E6	CC	M3			EXE00-04
											CO	M3			EXE00-04
Valve Name 1B DG Lube Oil DC Soak Back Pump Dsch Check Valve															
1DG083B	3	C	1	CK	SA	A	SYS	O/C	M-83-4	E6	CC	M3			EXE00-04
											CO	M3			EXE00-04
Valve Name 1B DG Lube Oil AC Soak Back Pump Dsch Check Valve															
1DG084	NC	C	1	CK	SA	A	SYS	O/C	M-83-4	F5	CC	M3			EXE00-04
											CO	M3			EXE00-04
Valve Name 1B DG Lube Oil Circ Pump Dsch Relief Check Valve															
1DG085	3	C	1	CK	SA	A	SYS	C	M-83-4	F5	CC	M3			EXE00-04
Valve Name 1B DG Lube Oil Soak Back Pumps Dsch Relief CV															
1DG087A	3	C	1	CK	SA	A	SYS	O/C	M-83-4	B6	CC	M3			EXE00-04
											CO	M3			EXE00-04
Valve Name 1A DG Lube Oil DC Soak Back Pump Dsch Check Valve															
1DG087B	3	C	1	CK	SA	A	SYS	O/C	M-83-4	B6	CC	M3			EXE00-04
											CO	M3			EXE00-04
Valve Name 1A DG Lube Oil AC Soak Back Pump Dsch Check Valve															
1DG088	NC	C	1	CK	SA	A	SYS	O/C	M-83-4	C5	CC	M3			EXE00-04
											CO	M3			EXE00-04
Valve Name 1A DG Lube Oil Circ Pumps Dsch Relief Check Valve															
1DG089	3	C	1	CK	SA	A	SYS	C	M-83-4	C5	CC	M3			EXE00-04
Valve Name 1A DG Lube Oil Soak Back Pumps Dsch Relief CV															
1DG091	3	C	0.5	CK	SA	A	SYS	O/C	M-83-4	E3	CC	M3			EXE00-04
											CO	M3			EXE00-04
Valve Name 1B DG Lube Oil Cooler Outlet Check Valve															

Revision Date: 08/17/01

Diesel Generator (Page 4)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1DG092	3	C	0.5	CK	SA	A	SYS	O/C	M-83-4	B3	CC CO	M3 M3			EXE00-04 EXE00-04
Valve Name 1A DG Lube Oil Cooler Outlet Check Valve															
1DGABC	NC	C	1	CK	SA	A	SYS	O/C	M-83-4	C8	CC CO	M3 M3			EXE00-04 EXE00-04
Valve Name DG Turbocharger Check Valve (*)															
1DGABC-HPCS	NC	C	1	CK	SA	A	SYS	O/C	M-83-4	F8	CC CO	M3 M3			EXE00-04 EXE00-04
Valve Name DG Turbocharger Check Valve (*)															
1DGXYZ	NC	C	1	CK	SA	A	C	O/C	M-83-4	C8	CC CO	M3 M3			EXE00-04 EXE00-04
Valve Name Diesel Generator Turbocharger Check Valve (*)															
1DGXYZ-HPCS	NC	C	1	CK	SA	A	C	O/C	M-83-4	F8	CC CO	M3 M3			EXE00-04 EXE00-04
Valve Name Diesel Generator Turbocharger Check Valve (*)															
1E22-F362A	3	C	1	CK	SA	A	SYS	C	M-83-1	E6	CC CO	M3 M3			
Valve Name 1B DG A Starting Air Comp Dsch Check Valve															
1E22-F362B	3	C	1	CK	SA	A	SYS	C	M-83-1	F6	CC CO	M3 M3			
Valve Name 1B DG A Starting Air Comp Dsch Check Valve															
1E22-F369A	3	C	0.75 x 1	RV	SA	A	C	O/C	M-83-1	E6	RT	Y10			
Valve Name 1B DG A Starting Air Receiver Relief Valve															
1E22-F369B	3	C	0.75 x 1	RV	SA	A	C	O/C	M-83-1	F6	RT	Y10			
Valve Name 1B DG B Starting Air Receiver Relief Valve															
1E22-F370A	3	C	0.75 x 1	RV	SA	A	C	O/C	M-83-1	D6	RT	Y10			
Valve Name 1B DG C Starting Air Receiver Relief Valve															
1E22-F370B	3	C	0.75 x 1	RV	SA	A	C	O/C	M-83-1	E6	RT	Y10			
Valve Name 1B DG D Starting Air Receiver Relief Valve															
1E22-F381A	NC	B	2	GA	AO	A	C	O	M-83-1	E3	SO	M3			EXE00-04
Valve Name 1B DG A/C Starting Air Motors Supply Control Valve															
1E22-F381B	NC	B	2	GA	AO	A	C	O	M-83-1	F3	SO	M3			EXE00-04
Valve Name 1B DG B/D Starting Air Motors Supply Control Valve															
1E22-F382A	NC	B	2	3W	SO	A	D	E/D	M-83-1	D4	SC SO	M3 M3			EXE00-04 EXE00-04
Valve Name 1B DG A/C Starting Air Motors Pinion Supply SOV															

Diesel Generator (Page 5)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1E22-F382B	NC	B	2	3W	SO	A	D	E/D	M-83-1	E4	SC SO	M3 M3			EXE00-04 EXE00-04
Valve Name 1B DG B/D Starting Air Motors Pinion Supply SOV															
1E22-F383A	NC	C	2	CK	SA	A	SYS	C	M-83-1	E3	CC	M3			EXE00-04
Valve Name 1B DG A/C Starting Air Mtrs Pinion Sup Bleed Off CV															
1E22-F383B	NC	C	2	CK	SA	A	SYS	C	M-83-1	F3	CC	M3			EXE00-04
Valve Name 1B DG B/D Starting Air Mtrs Pinion Sup Bleed Off CV															
2DG002	3	C	10	CK	SA	A	SYS	O	M-134-1	D6	CCD COD COF	CM CM M3			CWE00-02 CWE00-02
Valve Name 2A DG Cooling Water Pump Dsch Check Valve															
2DG011	3	B	4	GA	MO	A	C	O/C	M-134-1	D5	SC SO	M3 M3			
Valve Name DG Cooling Water Strainer Backwash Valve															
2DG034	3	C	0.75 x 1	RV	SA	A	C	O	M-134-1	C4	RT	Y10			
Valve Name 2A DG Cooler Outlet Header Relief Valve															
2DG049A	3	C	1	CK	SA	A	SYS	C	M-83-3	B6	CC CO	M3 M3			
Valve Name 2A DG A Starting Air Compressor Dsch Check Valve															
2DG049B	3	C	1	CK	SA	A	SYS	C	M-83-3	C6	CC CO	M3 M3			
Valve Name 2A DG B Starting Air Compressor Dsch Check Valve															
2DG055A	3	C	0.75 x 1	RV	SA	A	C	O/C	M-83-3	B6	RT	Y10			
Valve Name 2A DG A Starting Air Receiver Relief Valve															
2DG055B	3	C	0.75 x 1	RV	SA	A	C	O/C	M-83-3	C6	RT	Y10			
Valve Name 2A DG B Starting Air Receiver Relief Valve															
2DG061A	NC	B	2	GA	AO	A	C	O	M-83-3	B3	SO	M3			EXE00-04
Valve Name 2A DG A/C Starting Air Motors Supply Control Valve															
2DG061B	NC	B	2	GA	AO	A	C	O	M-83-3	C3	SO	M3			EXE00-04
Valve Name 2A DG B/D Starting Air Motors Supply Control Valve															
2DG062A	NC	B	2	3W	SO	A	D	E/D	M-83-3	B4	SD SE	M3 M3			EXE00-04 EXE00-04
Valve Name 2A DG A/C Starting Air Motors Pinion Supply SOV															
2DG062B	NC	B	2	3W	SO	A	D	E/D	M-83-3	C4	SD SE	M3 M3			EXE00-04 EXE00-04
Valve Name 2A DG B/D Starting Air Motors Pinion Supply SOV															
2DG064A	NC	C	2	CK	SA	A	SYS	C	M-83-3	B3	CC	M3			EXE00-04
Valve Name 2A DG A/C Starting Air Mtrs Pinion Sup Bleed Off CV															

Revision Date: August 17, 2001

Diesel Generator (Page 6)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2DG064B	NC	C	2	CK	SA	A	SYS	C	M-83-3	C3	CC	M3			EXE00-04
Valve Name 2A DG B/D String Air Mtrs Pinion Sup Bleed Off CV															
2DG083A	3	C	1	CK	SA	A	SYS	O/C	M-83-4	E6	CC	M3			EXE00-04
Valve Name 2B DG Lube Oil DC Soak Back Pump Dsch Check Valve															
2DG083B	3	C	1	CK	SA	A	SYS	O/C	M-83-4	E6	CC	M3			EXE00-04
Valve Name 2B DG Lube Oil AC Soak Back Pump Dsch Check Valve															
2DG084	NC	C	1	CK	SA	A	SYS	O/C	M-83-4	F5	CC	M3			EXE00-04
Valve Name 2B DG Lube Oil Circ Pump Dsch Relief Check Valve															
2DG085	3	C	1	CK	SA	A	SYS	C	M-83-4	F5	CC	M3			EXE00-04
Valve Name 2B DG Lube Oil Soak Back Pumps Dsch Relief CV															
2DG087A	3	C	1	CK	SA	A	SYS	O/C	M-83-4	B6	CC	M3			EXE00-04
Valve Name 2A DG Lube Oil DC Soak Back Pump Dsch Check Valve															
2DG087B	3	C	1	CK	SA	A	SYS	O/C	M-83-4	B6	CC	M3			EXE00-04
Valve Name 2A DG Lube Oil AC Soak Back Pump Dsch Check Valve															
2DG088	NC	C	1	CK	SA	A	SYS	O/C	M-83-4	C5	CC	M3			EXE00-04
Valve Name 2A DG Lube Oil Circ Pumps Dsch Relief Check Valve															
2DG089	3	C	1	CK	SA	A	SYS	C	M-83-4	C5	CC	M3			EXE00-04
Valve Name 2A DG Lube Oil Soak Back Pumps Dsch Relief CV															
2DG091	3	C	0.5	CK	SA	A	SYS	O/C	M-83-4	E3	CC	M3			EXE00-04
Valve Name 2B DG Lube Oil Cooler Outlet Check Valve															
2DG092	3	C	0.5	CK	SA	A	SYS	O/C	M-83-4	B3	CC	M3			EXE00-04
Valve Name 2A DG Lube Oil Cooler Outlet Check Valve															
2DGABC	NC	C	1	CK	SA	A	SYS	O/C	M-83-4	C8	CC	M3			EXE00-04
Valve Name DG Turbocharger Check Valve (*)															
2DGABC-HPCS	NC	C	1	CK	SA	A	SYS	O/C	M-83-4	F8	CC	M3			EXE00-04
Valve Name DG Turbocharger Check Valve (*)															



Diesel Generator (Page 7)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2DGXYZ	NC	C	1	CK	SA	A	C	O/C	M-83-4	C8	CC	M3			EXE00-04
											CO	M3			EXE00-04
Valve Name Diesel Generator Turbocharger Check Valve (*)															
2DGXYZ-HPCS	NC	C	1	CK	SA	A	C	O/C	M-83-4	F8	CC	M3			EXE00-04
											CO	M3			EXE00-04
Valve Name Diesel Generator Turbocharger Check Valve (*)															
2E22-F362A	3	C	1	CK	SA	A	SYS	C	M-83-3	E6	CC	M3			
											CO	M3			
Valve Name 2B DG A Starting Air Comp Dsch Check Valve															
2E22-F362B	3	C	1	CK	SA	A	SYS	C	M-83-3	F6	CC	M3			
											CO	M3			
Valve Name 2B DG A Starting Air Comp Dsch Check Valve															
2E22-F369A	3	C	0.75 x 1	RV	SA	A	C	O/C	M-83-3	E6	RT	Y10			
Valve Name 2B DG A Starting Air Receiver Relief Valve															
2E22-F369B	3	C	0.75 x 1	RV	SA	A	C	O/C	M-83-3	F6	RT	Y10			
Valve Name 2B DG B Starting Air Receiver Relief Valve															
2E22-F370A	3	C	0.75 x 1	RV	SA	A	C	O/C	M-83-3	D6	RT	Y10			
Valve Name 2B DG C Starting Air Receiver Relief Valve															
2E22-F370B	3	C	0.75 x 1	RV	SA	A	C	O/C	M-83-3	E6	RT	Y10			
Valve Name 2B DG D Starting Air Receiver Relief Valve															
2E22-F381A	NC	B	2	GA	AO	A	C	O	M-83-3	E3	SO	M3			EXE00-04
Valve Name 2B DG A/C Starting Air Motors Supply Control Valve															
2E22-F381B	NC	B	2	GA	AO	A	C	O	M-83-3	F3	SO	M3			EXE00-04
Valve Name 2B DG B/D Starting Air Motors Supply Control Valve															
2E22-F382A	NC	B	2	3W	SO	A	D	E/D	M-83-3	D4	SC	M3			EXE00-04
											SO	M3			EXE00-04
Valve Name 2B DG A/C Starting Air Motors Pinion Supply SOV															
2E22-F382B	NC	B	2	3W	SO	A	D	E/D	M-83-3	E4	SC	M3			EXE00-04
											SO	M3			EXE00-04
Valve Name 2B DG B/D Starting Air Motors Pinion Supply SOV															
2E22-F383A	NC	C	2	CK	SA	A	SYS	C	M-83-3	E3	CC	M3			EXE00-04
Valve Name 2B DG A/C Starting Air Motors Pinion Supply Bleed Off CV															
2E22-F383B	NC	C	2	CK	SA	A	SYS	C	M-83-3	F3	CC	M3			EXE00-04
Valve Name 2B DG B/D Starting Air Motors Pinion Supply Bleed Off CV															

Diesel Fuel Oil (Page 1)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
0DO002	3	C	1.5	CK	SA	A	SYS	O	M-85-1	D4	CO	M3			EXE00-04
Valve Name 0 DG Fuel Transfer Pump Discharge Check Valve															
1DO002	3	C	1.5	CK	SA	A	SYS	O	M-85-1	D6	CO	M3			EXE00-04
Valve Name 1A DG Fuel Transfer Pump Dsch Check Valve															
1DO012	3	C	1.5	CK	SA	A	SYS	O	M-85-1	D1	CO	M3			EXE00-04
Valve Name 1B DG Fuel Transfer Pump Dsch Check Valve															
1DO021	3	B	2	GL	M	A	C	C	M-85-1	B2	SC	M3			
Valve Name Diesel Fire Pump Fuel Transf Pump Suct Bypass Vlv															
1DO024	3	B	2	GA	SO	A	C	C	M-85-1	B2	FC	M3			
											PI	Y2			
											SC	M3			
Valve Name Diesel Fire Fuel Transfer Pump Suct Isolation Vlv															
2DO002	3	C	1.5	CK	SA	A	SYS	O	M-132	D6	CO	M3			EXE00-04
Valve Name 2A DG Fuel Transfer Pump Dsch Check Valve															
2DO012	3	C	1.5	CK	SA	A	SYS	O	M-132	E4	CO	M3			EXE00-04
Valve Name 2B DG Fuel Transfer Pump Dsch Check Valve															
2DO021	3	B	2	GL	M	A	C	C	M-132	B2	SC	M3			
Valve Name Diesel Fire Pump Fuel Transf Pump Suct Bypass Vlv															
2DO024	3	B	2	GA	SO	A	C	C	M-132	B2	FC	M3			
											PI	Y2			
											SC	M3			
Valve Name Diesel Fire Fuel Transfer Pump Suct Isolation Vlv															

Fuel Pool Cooling (Page 1)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1FC044A	3	C	6	CK	SA	A	SYS	O	M-87-2	E6	CC CO	M3 M3			
Valve Name A Fuel Pool Emergency Makeup Pump Dsch Check Valve															
1FC044B	3	C	6	CK	SA	A	SYS	O	M-87-1	C6	CC CO	M3 M3			
Valve Name B Fuel Pool Emergency Makeup Pump Dsch Check Valve															
1FC045A	3	B	6	GA	M	A	C	O	M-87-2	E6	SO	M3			
Valve Name A Fuel Pool Emergency Makeup Pump Dsch Valve															
1FC045B	3	B	6	GA	M	A	C	O	M-87-1	C6	SO	M3			
Valve Name B Fuel Pool Emergency Makeup Pump Dsch Valve															
1FC046A	3	B	6	GA	M	A	O	C	M-87-2	E5	SC	M3			
Valve Name A Fuel Pool Emergency Makeup Pp Full Flow Test Vlv															
1FC046B	3	B	6	GA	M	A	O	C	M-87-1	C5	SC	M3			
Valve Name B Fuel Pool Emergency Makeup Pp Full Flow Test Vlv															
1FC047A	3	B	6	GA	M	A	O	O/C	M-87-2	E5	SC SO	M3 M3			
Valve Name A Fuel Pool Emergency Makeup Supply Valve															
1FC047B	3	B	6	GA	M	A	O	O/C	M-87-1	C5	SC SO	M3 M3			
Valve Name B Fuel Pool Emergency Makeup Supply Valve															
1FC050A	3	B	6	GL	M	A	C	O	M-98-1	E5	SO	M3			
Valve Name A Fuel Pool Emergency Makeup Supply Hose Conn Vlv															
1FC050B	3	B	6	GL	M	A	C	O	M-98-1	D1	SO	M3			
Valve Name B Fuel Pool Emergency Makeup Supply Hose Conn Vlv															
1FC086	2	A	10	GA	M	P	LC	C	M-98-1	C7	LT	AJ			TP-04
Valve Name Reactor Well Drain Header Downstream Valve															
1FC113	2	A	2	GL	M	P	LC	C	M-98-1	D7	LT	AJ			TP-04
Valve Name Cnmt Bellows Seal Cavity Dm Line Flushing Wtr Vlv															
1FC114	2	A	2	GL	M	P	LC	C	M-98-1	D7	LT	AJ			TP-04
Valve Name Cnmt Bellows Seal Cavity Dm Line Flushing Wtr Vlv															
1FC115	2	A	10	GA	M	P	LC	C	M-98-1	C7	LT	AJ			TP-04
Valve Name Reactor Well Drain Header Upstream Valve															
2FC044A	3	C	6	CK	SA	A	SYS	O	M-134-2	E6	CC CO	M3 M3			
Valve Name A Fuel Pool Emergency Makeup Pump Dsch Check Valve															
2FC044B	3	C	6	CK	SA	A	SYS	O	M-134-1	C6	CC CO	M3 M3			
Valve Name B Fuel Pool Emergency Makeup Pump Dsch Check Valve															

Revision Date: 08/17/01

Fuel Pool Cooling (Page 2)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2FC045A	3	B	6	GA	M	A	C	O	M-134-2	E6	SO	M3			
Valve Name A Fuel Pool Emergency Makeup Pump Dsch Valve															
2FC045B	3	B	6	GA	M	A	C	O	M-134-1	C6	SO	M3			
Valve Name B Fuel Pool Emergency Makeup Pump Dsch Valve															
2FC046A	3	B	6	GA	M	A	O	C	M-134-2	E5	SC	M3			
Valve Name A Fuel Pool Emergency Makeup Pp Full Flow Test Vlv															
2FC046B	3	B	6	GA	M	A	O	C	M-134-1	C5	SC	M3			
Valve Name B Fuel Pool Emergency Makeup Pp Full Flow Test Vlv															
2FC047A	3	B	6	GA	M	A	O	O/C	M-134-2	E5	SC	M3			
											SO	M3			
Valve Name A Fuel Pool Emergency Makeup Supply Valve															
2FC047B	3	B	6	GA	M	A	O	O/C	M-134-1	C5	SC	M3			
											SO	M3			
Valve Name B Fuel Pool Emergency Makeup Supply Valve															
2FC050A	3	B	6	GL	M	A	C	O	M-144-1	E4	SO	M3			
Valve Name A Fuel Pool Emergency Makeup Supply Hose Conn Vlv															
2FC050B	3	B	6	GL	M	A	C	O	M-144-1	D8	SO	M3			
Valve Name B Fuel Pool Emergency Makeup Supply Hose Conn Vlv															
2FC086	2	A	10	GA	M	P	LC	C	M-144-1	C2	LT	AJ			TP-04
Valve Name Reactor Well Drain Header Downstream Valve															
2FC113	2	A	2	GL	M	P	LC	C	M-144-1	D2	LT	AJ			TP-04
Valve Name Cnmt Bellows Seal Cavity Dm Line Flushing Wtr Vlv															
2FC114	2	A	2	GL	M	P	LC	C	M-144-1	D2	LT	AJ			TP-04
Valve Name Cnmt Bellows Seal Cavity Dm Line Flushing Wtr Vlv															
2FC115	2	A	10	GA	M	P	LC	C	M-144-1	C2	LT	AJ			TP-04
Valve Name Reactor Well Drain Header Upstream Valve															

LaSalle Station  
IST PROGRAM PLAN

Feedwater (Page 1)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1B21-F010A	1	AC	24	CK	SA	A	SYS	C	M-57-1	B6	CC CO LT	RR OP AJ		RJ-01	EXE01-01 TP-04
Valve Name A Feedwater Line Inboard Check Valve															
1B21-F010B	1	AC	24	CK	SA	A	SYS	C	M-57-1	C6	CC CO LT	RR OP AJ		RJ-01	EXE01-01 TP-04
Valve Name B Feedwater Line Inboard Check Valve															
1B21-F032A	1	AC	24	CK	AO	A	SYS	C	M-57-1	B6	CC CO LT PI	RR OP AJ Y2		RJ-18	EXE01-01 TP-04
Valve Name A Feedwater Line Otbd Testable Check Valve															
1B21-F032B	1	AC	24	CK	AO	A	SYS	C	M-57-1	C6	CC CO LT PI	RR OP AJ Y2		RJ-18	EXE01-01 TP-04
Valve Name B Feedwater Line Otbd Testable Check Valve															
1B21-F065A	2	A	24	GA	MO	A	O	C	M-57-1	B5	LT PI SC	AJ Y2 CS			TP-04 CS-04
Valve Name A Feedwater Line Otbd Isolation Valve															
1B21-F065B	2	A	24	GA	MO	A	O	C	M-57-1	C5	LT PI SC	AJ Y2 CS			TP-04 CS-04
Valve Name B Feedwater Line Otbd Isolation Valve															
2B21-F010A	1	AC	24	CK	SA	A	SYS	C	M-118-1	B6	CC CO LT	RR OP AJ		RJ-01	EXE01-01 TP-04
Valve Name A Feedwater Line Inbd Check Valve															
2B21-F010B	1	AC	24	CK	SA	A	SYS	C	M-118-1	C6	CC CO LT	RR OP AJ		RJ-01	EXE01-01 TP-04
Valve Name B Feedwater Line Inbd Check Valve															
2B21-F032A	1	AC	24	CK	AO	A	SYS	C	M-118-1	B6	CC CO LT PI	RR OP AJ Y2		RJ-18	EXE01-01 TP-04
Valve Name A Feedwater Line Otbd Testable Check Valve															

Revision Date: 08/17/01

LaSalle Station  
IST PROGRAM PLAN

Feedwater (Page 2)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2B21-F032B	1	AC	24	CK	AO	A	SYS	C	M-118-1	C6	CC CO LT PI	RR OP AJ Y2		RJ-18	EXE01-01 TP-04
Valve Name B Feedwater Line Otbd Testable Check Valve															
2B21-F065A	2	A	24	GA	MO	A	O	C	M-118-1	B5	LT PI SC	AJ Y2 CS			TP-04 CS-04
Valve Name A Feedwater Line Otbd Isolation Valve															
2B21-F065B	2	A	24	GA	MO	A	O	C	M-118-1	C5	LT PI SC	AJ Y2 CS			TP-04 CS-04
Valve Name B Feedwater Line Otbd Isolation Valve															

Revision Date: 08/17/01

Containment Combustible Gas Control (Page 1)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1HG001A	2	A	4	GA	MO	A	C	O/C	M-130-1	F7	LT	AJ			TP-04
Valve Name U1 H2 Recombiner U1 DW Suct Upstrm Isol Valve															
1HG001B	2	A	4	GA	MO	A	C	O/C	M-130-1	E7	LT	AJ			TP-04
Valve Name U2 H2 Recombiner U1 DW Suct Upstrm Isol Valve															
1HG002A	2	A	4	GL	MO	A	C	O/C	M-130-1	F7	LT	AJ			TP-04
Valve Name U1 H2 Recombiner U1 DW Suct Dwnst Isol Valve															
1HG002B	2	A	4	GL	MO	A	C	O/C	M-130-1	E7	LT	AJ			TP-04
Valve Name U2 H2 Recombiner U1 DW Suct Dwnst Isol Valve															
1HG003	2	B	6	GA	MO	A	O	O/C	M-130-1	C6	PI	Y2			
Valve Name U1 H2 Recombiner U1 Sup Pool Return Valve															
1HG005A	2	A	6	GA	MO	A	C	O/C	M-130-1	B7	LT	AJ			TP-04
Valve Name U1 H2 Recombiner U1 Sup Pool Rtn Dwnst Isol Vlv															
1HG005B	2	A	6	GA	MO	A	C	O/C	M-130-1	A7	LT	AJ			TP-04
Valve Name U2 H2 Recombiner U1 Sup Pool Rtn Dwnst Isol Vlv															
1HG006A	2	A	6	GA	MO	A	C	O/C	M-130-1	B7	LT	AJ			TP-04
Valve Name U1 H2 Recombiner U1 Sup Pool Rtn Upstrm Isol Vlv															

Revision Date: 08/17/01

Containment Combustible Gas Control (Page 2)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1HG006B	2	A	6	GA	MO	A	C	O/C	M-130-1	A7	LT PI SC SO	AJ Y2 M3 M3			TP-04
Valve Name U2 H2 Recombiner U1 Sup Pool Rtn Upstrm Isol Vlv															
1HG007	2	C	4	CK	SA	A	SYS	O	M-130-2	F6	CCD COD COF	SA SA RR			CWE00-02 CWE00-02
Valve Name U2 H2 Recombiner U1 DW Suct Check Valve															
1HG009	2	B	6	GA	MO	A	C	O/C	M-130-1	C6	PI SC SO	Y2 M3 M3			
Valve Name U1 H2 Recombiner U2 Xtie Valve															
1HG016	2	C	4	CK	SA	A	SYS	O	M-130-1	F6	CCD COD COF	SA SA RR			CWE00-02 CWE00-02
Valve Name U1 H2 Recombiner U1 DW Suct Check Valve															
1HG017A	2	C	1.5	CK	SA	A	SYS	O	M-130-1	F3	CCD COD CP	SA SA RR			CWE00-02 CWE00-02
Valve Name U1 H2 Recombiner U1 B RHR Clg Wtr Supply CV															
1HG017B	2	C	1.5	CK	SA	A	SYS	O	M-130-1	E3	CCD COD CP	SA SA RR			CWE00-02 CWE00-02
Valve Name U1 H2 Recombiner U2 A RHR Clg Wtr Supply CV															
1HG018	2	B	1.5	GL	MO	A	C	O/C	M-130-1	E4	PI SC SO	Y2 M3 M3			
Valve Name U1 H2 Recomb U2 A RHR Clg Wtr Supply Dwnst Vlv															
1HG025	2	B	3	GL	MO	A	C	O	M-130-1	D4	PI SO	Y2 M3			
Valve Name U1 H2 Recombiner Inlet Valve															
1HG026	2	B	3	GL	MO	A	C	O	M-130-1	C3	PI SO	Y2 M3			
Valve Name U1 H2 Recombiner Clg Water Recirc Valve															
1HG027	2	B	0.75	GL	MO	A	C	O	M-130-1	C3	SO	18M			EXE00-04
Valve Name U1 H2 Recombiner Clg Water Inlet Valve															

Revision Date: August 17, 2001



Containment Combustible Gas Control (Page 3)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2HG001A	2	A	4	GA	MO	A	C	O/C	M-130-2	F7	LT PI SC SO	AJ Y2 M3 M3			TP-04
Valve Name U2 H2 Recombiner U2 DW Suct Upstrm Isol Valve															
2HG001B	2	A	4	GA	MO	A	C	O/C	M-130-2	E7	LT PI SC SO	AJ Y2 M3 M3			TP-04
Valve Name U1 H2 Recombiner U2 DW Suct Upstrm Isol Valve															
2HG002A	2	A	4	GL	MO	A	C	O/C	M-130-2	F6	LT PI SC SO	AJ Y2 M3 M3			TP-04
Valve Name U2 H2 Recombiner U2 DW Suct Dwnst Isol Valve															
2HG002B	2	A	4	GL	MO	A	C	O/C	M-130-2	E6	LT PI SC SO	AJ Y2 M3 M3			TP-04
Valve Name U1 H2 Recombiner U2 DW Suct Dwnst Isol Valve															
2HG003	2	B	6	GA	MO	A	O	O/C	M-130-2	C6	PI SC SO	Y2 M3 M3			
Valve Name U2 H2 Recombiner U2 Sup Pool Return Valve															
2HG005A	2	A	6	GA	MO	A	C	O/C	M-130-2	B7	LT PI SC SO	AJ Y2 M3 M3			TP-04
Valve Name U1 H2 Recombiner U2 Sup Pool Rtn Dwnst Isol Vlv															
2HG005B	2	A	6	GA	MO	A	C	O/C	M-130-2	A7	LT PI SC SO	AJ Y2 M3 M3			TP-04
Valve Name U2 H2 Recombiner U2 Sup Pool Rtn Dwnst Isol Vlv															
2HG006A	2	A	6	GA	MO	A	C	O/C	M-130-2	B7	LT PI SC SO	AJ Y2 M3 M3			TP-04
Valve Name U2 H2 Recombiner U2 Sup Pool Rtn Upstrm Isol Vlv															

Containment Combustible Gas Control (Page 4)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2HG006B	2	A	6	GA	MO	A	C	O/C	M-130-2	A7	LT	AJ			TP-04
											PI	Y2			
											SC	M3			
											SO	M3			
Valve Name U1 H2 Recombiner U2 Sup Pool Rtn Upstrm Isol Vlv															
2HG007	2	C	4	CK	SA	A	SYS	O	M-130-1	F6	CCD	SA			CWE00-02
											COD	SA			CWE00-02
											COF	RR			
Valve Name U1 H2 Recombiner U2 DW Suct Check Valve															
2HG009	2	B	6	GA	MO	A	C	O/C	M-130-2	C6	PI	Y2			
											SC	M3			
											SO	M3			
Valve Name U2 H2 Recombiner U1 Xtie Valve															
2HG016	2	C	4	CK	SA	A	SYS	O	M-130-2	F6	CCD	SA			CWE00-02
											COD	SA			CWE00-02
											COF	RR			
Valve Name U2 H2 Recombiner U2 DW Suct Check Valve															
2HG017A	2	C	1.5	CK	SA	A	SYS	O	M-130-2	F3	CCD	SA			CWE00-02
											COD	SA			CWE00-02
											CP	RR			
Valve Name U2 H2 Recombiner U2 B RHR Clg Wtr Supply CV															
2HG017B	2	C	1.5	CK	SA	A	SYS	O	M-130-2	E3	CCD	SA			CWE00-02
											COD	SA			CWE00-02
											CP	RR			
Valve Name U2 H2 Recombiner U1 A RHR Clg Wtr Supply CV															
2HG018	2	B	1.5	GL	MO	A	C	O/C	M-130-2	E4	PI	Y2			
											SC	M3			
											SO	M3			
Valve Name U2 H2 Recomb U1 A RHR Clg Wtr Supply Dwnst Vlv															
2HG025	2	B	3	GL	MO	A	C	O	M-130-2	D4	PI	Y2			
											SO	M3			
Valve Name U2 H2 Recombiner Inlet Valve															
2HG026	2	B	3	GL	MO	A	C	O	M-130-2	C3	PI	Y2			
											SO	M3			
Valve Name U2 H2 Recombiner Clg Water Recirc Valve															
2HG027	2	B	0.75	GL	MO	A	C	O	M-130-2	C3	SO	18M			EXE00-04
Valve Name U2 H2 Recombiner Clg Water Inlet Valve															

Revision Date: August 17, 2001

High Pressure Core Spray (Page 1)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1E22-F004	1	A	12	GA	MO	A	C	O/C	M-95	D6	LT	Y2			
											LTJ	AJ			TP-04
											PI	Y2			
											SC	CS		CS-09	
											SO	CS		CS-09	
Valve Name HPCS Injection Isolation Valve															
1E22-F005	1	AC	12	CK	SA	A	SYS	O/C	M-95	D7	CC	RR		RJ-12	
											CO	RR		RJ-17	
											LT	Y2			
Valve Name HPCS Injection Check Valve															
1E22-F007	2	C	0.75	CK	SA	A	SYS	O/C	M-95	D4	CC	M3			TP-02
											CO	M3			TP-02
Valve Name HPCS Water Leg Pump Discharge Check Valve															
1E22-F012	2	A	4	GA	MO	A	C	O/C	M-95	C3	LT	AJ			TP-04
											PI	Y2			
											SC	M3			
											SO	M3			
Valve Name HPCS Pump Minimum Flow Isolation Valve															
1E22-F014	2	AC	1 x 2	RV	SA	A	C	O/C	M-95	B5	LT	AJ			TP-04
											RT	Y10			
Valve Name HPCS Pump Suct Relief Valve															
1E22-F015	2	A	18	GA	MO	A	O	O/C	M-95	B6	LT	AJ			TP-04
											PI	Y2			
											SC	M3			TP-07
Valve Name HPCS Pump Sup Pool Suction Isolation Valve															
1E22-F023	2	A	12	GL	MO	A	C	C	M-95	C5	CP	M3			
											LT	AJ			TP-04
											PI	Y2			
											SC	CS		CS-11	
Valve Name HPCS Full Flow Test Isolation Valve															
1E22-F024	2	C	16	CK	SA	A	SYS	O/C	M-95	C3	CC	M3			
											CO	M3			
Valve Name HPCS Pump Dsch Check Valve															
1E22-F028	3	C	10	CK	SA	A	SYS	O	M-87-1	B6	CCD	CM			CWE00-02
											COD	CM			CWE00-02
											COF	M3			
Valve Name 1B DG Cooling Water Pump Dsch Check Valve															
1E22-F035	2	C	.75 x 1	RV	SA	A	C	O	M-95	D2	RT	Y10			
Valve Name HPCS Pump Discharge Relief Valve															

Revision Date: August 17, 2001

High Pressure Core Spray (Page 2)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1E22-F038	1	B	12	GA	M	P	LO	O	M-95	D7	PI	Y2			
Valve Name HPCS Injection Hdr Manual Stop Valve															
1E22-F304	2	AC	0.75	XFC	SA	A	SYS	C	M-2095-1	--	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name HPCS/Rx Vessel D/P Sw 1E22-N009 Excess Flow Check															
1E22-F319	3	B	4	GA	MO	A	C	O/C	M-87-1	B6	SC	M3			
											SO	M3			
Valve Name DG Cooling Water Strainer Backwash Valve															
1E22-F341	2	AC	0.75	XFC	SA	A	SYS	C	M-2095-1	--	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Sup Pool Level Sw 1E22-N002A/B Upper Leg EFC															
1E22-F342	2	AC	0.75	XFC	SA	A	SYS	C	M-2095-1	--	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Sup Pool Level Sw 1E22-N002A/B Lower Leg EFC															
1E22-F345	3	C	.75 x 1	RV	SA	A	C	O	M-87-1	B4	RT	Y10			
Valve Name 1B Dg Cooler Inlet Header Relief Valve															
2E22-F004	1	A	12	GA	MO	A	C	O/C	M-141	D5	LT	Y2			
											LTJ	AJ			TP-04
											PI	Y2			
											SC	CS		CS-09	
											SO	CS		CS-09	
Valve Name HPCS Injection Isolation Valve															
2E22-F005	1	AC	12	CK	SA	A	SYS	O/C	M-141	D6	CC	RR		RJ-12	
											CO	RR		RJ-17	
											LT	Y2			
Valve Name HPCS Injection Check Valve															
2E22-F007	2	C	0.75	CK	SA	A	SYS	O/C	M-141	D4	CC	M3			TP-02
											CO	M3			TP-02
Valve Name HPCS Water Leg Pump Dsch Check Valve															
2E22-F012	2	A	4	GA	MO	A	C	O/C	M-141	C3	LT	AJ			TP-04
											PI	Y2			
											SC	M3			
											SO	M3			
Valve Name HPCS Pump Minimum Flow Isolation Valve															

Revision Date: August 17, 2001

High Pressure Core Spray (Page 3)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2E22-F014	2	AC	1 x 2	RV	SA	A	C	O/C	M-141	B5	LT RT	AJ Y10			TP-04
Valve Name HPCS Pump Suction Relief Valve															
2E22-F015	2	A	18	GA	MO	A	O	O/C	M-141	B6	LT PI SC	AJ Y2 M3			TP-04 TP-07
Valve Name HPCS Pump Sup Pool Suction Isolation Valve															
2E22-F023	2	A	12	GL	MO	A	C	C	M-141	C5	CP LT PI SC	M3 AJ Y2 CS		CS-11	TP-04
Valve Name HPCS Full Flow Test Isolation Valve															
2E22-F024	2	C	16	CK	SA	A	SYS	O/C	M-141	D3	CC CO	M3 M3			
Valve Name HPCS Pump Discharge Check Valve															
2E22-F028	3	C	10	CK	SA	A	SYS	O	M-134-1	B6	CCD COD COF	CM CM M3			CWE00-02 CWE00-02
Valve Name 1B DG Cooling Water Pump Dsch Check Valve															
2E22-F035	2	C	.75 x 1	RV	SA	A	C	O	M-141	D2	RT	Y10			
Valve Name HPCS Pump Discharge Relief Valve															
2E22-F038	1	B	12	GA	M	P	LO	O	M-141	D7	PI	Y2			
Valve Name HPCS Injection Hdr Manual Stop Valve															
2E22-F304	2	AC	0.75	XFC	SA	A	SYS	C	M-2141-1	--	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name HPCS/Rx Vessel D/P Sw 1E22-N009 Excess Flow Check															
2E22-F319	3	B	4	GA	MO	A	C	O/C	M-134-1	B6	SC SO	M3 M3			
Valve Name DG Cooling Water Strainer Backwash Valve															
2E22-F341	2	AC	0.75	XFC	SA	A	SYS	C	M-2141-1	--	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name Sup Pool Level Sw 1E22-N002A/B Upper Leg EFV															

LaSalle Station  
IST PROGRAM PLAN

High Pressure Core Spray (Page 4)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2E22-F342	2	AC	0.75	XFC	SA	A	SYS	C	M-2141-1	--	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			

Valve Name Sup Pool Level Sw 1E22-N002A/B Lower Leg EFV

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2E22-F345	3	C	.75 x 1	RV	SA	A	C	O	M-134-1	B4	RT	Y10			
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Valve Name 1B Dg Cooler Inlet Header Relief Valve

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Revision Date: 08/17/01

LaSalle Station  
IST PROGRAM PLAN

Instrument Air (Page 1)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1B21-F029A	3	AC	0.75	CK	SA	A	SYS	C	M-81-2	F5	CC CO LT	RR RR Y2		RJ-06 RJ-06	
Valve Name A Otbd MSIV Accum Inlet Check Valve															
1B21-F029B	3	AC	0.75	CK	SA	A	SYS	C	M-81-2	F5	CC CO LT	RR RR Y2		RJ-06 RJ-06	
Valve Name B Otbd MSIV Accum Inlet Check Valve															
1B21-F029C	3	AC	0.75	CK	SA	A	SYS	C	M-81-2	F5	CC CO LT	RR RR Y2		RJ-06 RJ-06	
Valve Name C Otbd MSIV Accum Inlet Check Valve															
1B21-F029D	3	AC	0.75	CK	SA	A	SYS	C	M-81-2	F5	CC CO LT	RR RR Y2		RJ-06 RJ-06	
Valve Name D Otbd MSIV Accum Inlet Check Valve															
2B21-F029A	3	AC	0.75	CK	SA	A	SYS	C	M-81-17	E5	CC CO LT	RR RR Y2		RJ-06 RJ-06	
Valve Name A Otbd MSIV Accum Inlet Check Valve															
2B21-F029B	3	AC	0.75	CK	SA	A	SYS	C	M-81-17	E5	CC CO LT	RR RR Y2		RJ-06 RJ-06	
Valve Name B Otbd MSIV Accum Inlet Check Valve															
2B21-F029C	3	AC	0.75	CK	SA	A	SYS	C	M-81-17	E5	CC CO LT	RR RR Y2		RJ-06 RJ-06	
Valve Name C Otbd MSIV Accum Inlet Check Valve															
2B21-F029D	3	AC	0.75	CK	SA	A	SYS	C	M-81-17	E5	CC CO LT	RR RR Y2		RJ-06 RJ-06	
Valve Name D Otbd MSIV Accum Inlet Check Valve															

Revision Date: 08/17/01

Instrument Nitrogen (Page 1)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1B21-F024A	3	AC	0.75	CK	SA	A	SYS	C	M-66-2	F6	CC	RR		RJ-06	
											CO	RR		RJ-06	
											LT	Y2			
Valve Name A Inbd MSIV Accum Inlet Check Valve															
1B21-F024B	3	AC	0.75	CK	SA	A	SYS	C	M-66-2	F7	CC	RR		RJ-06	
											CO	RR		RJ-06	
											LT	Y2			
Valve Name B Inbd MSIV Accum Inlet Check Valve															
1B21-F024C	3	AC	0.75	CK	SA	A	SYS	C	M-66-2	F4	CC	RR		RJ-06	
											CO	RR		RJ-06	
											LT	Y2			
Valve Name C Inbd MSIV Accum Inlet Check Valve															
1B21-F024D	3	AC	0.75	CK	SA	A	SYS	C	M-66-2	F5	CC	RR		RJ-06	
											CO	RR		RJ-06	
											LT	Y2			
Valve Name D Inbd MSIV Accum Inlet Check Valve															
1B21-F036A	3	AC	0.5	CK	SA	A	SYS	C	M-66-2	D1	CC	RR		RJ-32	
											CO	RR		RJ-32	
											LT	Y2			
Valve Name SRV Accumulator 1B21-A004A Inlet Check Valve															
1B21-F036B	3	AC	0.5	CK	SA	A	SYS	C	M-66-2	D3	CC	RR		RJ-32	
											CO	RR		RJ-32	
											LT	Y2			
Valve Name SRV Accumulator 1B21-A004B Inlet Check Valve															
1B21-F036C	3	AC	0.5	CK	SA	A	SYS	C	M-66-2	D2	CC	RR		RJ-32	
											CO	RR		RJ-32	
											LT	Y2			
Valve Name SRV Accumulator 1B21-A004C Inlet Check Valve															
1B21-F036D	3	AC	0.5	CK	SA	A	SYS	C	M-66-2	D4	CC	RR		RJ-32	
											CO	RR		RJ-32	
											LT	Y2			
Valve Name SRV Accumulator 1B21-A004D Inlet Check Valve															
1B21-F036E	3	AC	0.5	CK	SA	A	SYS	C	M-66-2	D7	CC	RR		RJ-32	
											CO	RR		RJ-32	
											LT	Y2			
Valve Name SRV Accumulator 1B21-A004E Inlet Check Valve															
1B21-F036F	3	AC	0.5	CK	SA	A	SYS	C	M-66-2	D5	CC	RR		RJ-32	
											CO	RR		RJ-32	
											LT	Y2			
Valve Name SRV Accumulator 1B21-A004F Inlet Check Valve															

Revision Date: 08/17/01



Instrument Nitrogen (Page 2)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1B21-F036G	3	AC	0.5	CK	SA	A	SYS	C	M-66-2	D2	CC CO LT	RR RR Y2		RJ-32 RJ-32	
Valve Name SRV Accumulator 1B21-A004G Inlet Check Valve															
1B21-F036H	3	AC	0.5	CK	SA	A	SYS	C	M-66-2	D2	CC CO LT	RR RR Y2		RJ-32 RJ-32	
Valve Name SRV Accumulator 1B21-A004H Inlet Check Valve															
1B21-F036J	3	AC	0.5	CK	SA	A	SYS	C	M-66-2	D3	CC CO LT	RR RR Y2		RJ-32 RJ-32	
Valve Name SRV Accumulator 1B21-A004J Inlet Check Valve															
1B21-F036K	3	AC	0.5	CK	SA	A	SYS	C	M-66-2	D5	CC CO LT	RR RR Y2		RJ-32 RJ-32	
Valve Name SRV Accumulator 1B21-A004K Inlet Check Valve															
1B21-F036L	3	AC	0.5	CK	SA	A	SYS	C	M-66-2	D7	CC CO LT	RR RR Y2		RJ-32 RJ-32	
Valve Name SRV Accumulator 1B21-A004L Inlet Check Valve															
1B21-F036M	3	AC	0.5	CK	SA	A	SYS	C	M-66-2	D6	CC CO LT	RR RR Y2		RJ-32 RJ-32	
Valve Name SRV Accumulator 1B21-A004M Inlet Check Valve															
1B21-F036N	3	AC	0.5	CK	SA	A	SYS	C	M-66-2	D8	CC CO LT	RR RR Y2		RJ-32 RJ-32	
Valve Name SRV Accumulator 1B21-A004N Inlet Check Valve															
1B21-F036P	3	AC	0.5	CK	SA	A	SYS	C	M-66-2	D4	CC CO LT	RR RR Y2		RJ-32 RJ-32	
Valve Name SRV Accumulator 1B21-A004P Inlet Check Valve															
1B21-F036R	3	AC	0.5	CK	SA	A	SYS	C	M-66-2	D7	CC CO LT	RR RR Y2		RJ-32 RJ-32	
Valve Name SRV Accumulator 1B21-A004R Inlet Check Valve															
1B21-F036S	3	AC	0.5	CK	SA	A	SYS	C	M-66-2	D6	CC CO LT	RR RR Y2		RJ-32 RJ-32	
Valve Name SRV Accumulator 1B21-A004S Inlet Check Valve															

Revision Date: 08/17/01

LaSalle Station  
IST PROGRAM PLAN

Instrument Nitrogen (Page 3)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1B21-F036U	3	AC	0.5	CK	SA	A	SYS	C	M-66-2	D3	CC CO LT	RR RR Y2		RJ-32 RJ-32	
Valve Name SRV Accumulator 1B21-A004U Inlet Check Valve															
1B21-F036V	3	AC	0.5	CK	SA	A	SYS	C	M-66-2	D5	CC CO LT	RR RR Y2		RJ-32 RJ-32	
Valve Name SRV Accumulator 1B21-A004V Inlet Check Valve															
1B21-F040C	3	AC	0.5	CK	SA	A	SYS	O/C	M-66-2	B2	CC CO LT	RR RR Y2		RJ-06 RJ-33	
Valve Name SRV ADS Accumulator 1B21-A003C Inlet Check Valve															
1B21-F040D	3	AC	0.5	CK	SA	A	SYS	O/C	M-66-2	B4	CC CO LT	RR RR Y2		RJ-06 RJ-33	
Valve Name SRV ADS Accumulator 1B21-A003D Inlet Check Valve															
1B21-F040E	3	AC	0.5	CK	SA	A	SYS	O/C	M-66-2	B7	CC CO LT	RR RR Y2		RJ-06 RJ-33	
Valve Name SRV ADS Accumulator 1B21-A003E Inlet Check Valve															
1B21-F040R	3	AC	0.5	CK	SA	A	SYS	O/C	M-66-2	B8	CC CO LT	RR RR Y2		RJ-06 RJ-33	
Valve Name SRV ADS Accumulator 1B21-A003R Inlet Check Valve															
1B21-F040S	3	AC	0.5	CK	SA	A	SYS	O/C	M-66-2	B6	CC CO LT	RR RR Y2		RJ-06 RJ-33	
Valve Name SRV ADS Accumulator 1B21-A003S Inlet Check Valve															
1B21-F040U	3	AC	0.5	CK	SA	A	SYS	O/C	M-66-2	B3	CC CO LT	RR RR Y2		RJ-06 RJ-33	
Valve Name SRV ADS Accumulator 1B21-A003U Inlet Check Valve															
1B21-F040V	3	AC	0.5	CK	SA	A	SYS	O/C	M-66-2	B5	CC CO LT	RR RR Y2		RJ-06 RJ-33	
Valve Name SRV ADS Accumulator 1B21-A003V Inlet Check Valve															

Revision Date: 08/17/01

Instrument Nitrogen (Page 4)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1IN001A	2	A	2	GL	AO	A	O	C	M-66-1	F6	FC	RR		RJ-03	
											LT	AJ			TP-04
											PI	Y2			
											SC	RR		RJ-03	
Valve Name Drywell Inst N2 Suction Header Upstrm Isolation Vlv															
1IN001B	2	A	2	GL	AO	A	O	C	M-66-1	F7	FC	RR		RJ-03	
											LT	AJ			TP-04
											PI	Y2			
											SC	RR		RJ-03	
Valve Name Drywell Inst N2 Suction Header Upstrm Isolation Vlv															
1IN017	2	A	1.5	GL	AO	A	O	C	M-66-1	B3	FC	CS		CS-24	
											LT	AJ			TP-04
											PI	Y2			
											SC	CS		CS-24	
Valve Name DW Inst N2 Regulated Hdr Drywell Supply Valve															
1IN018	2	AC	2	CK	SA	A	SYS	C	M-66-1	B3	CC	RR		RJ-20	CWE00-02
											CP	M3			
											LT	AJ			TP-04
Valve Name DW Inst N2 Regulated Hdr Drywell Isol Check Valve															
1IN031	2	A	0.75	GL	SO	A	O	C	M-66-1	B5	FC	CS		CS-25	
											LT	AJ			TP-04
											PI	Y2			
											SC	CS		CS-25	
Valve Name Drywell Inst N2 TIP Indexer Purge Valve															
1IN043	3	C	1	CK	SA	A	SYS	C	M-66-7	D5	CC	RR		RJ-20	
											CO	RR		RJ-20	
Valve Name B ADS Accum Unregulated N2 Header Dw Supply CV															
1IN044	3	C	1	CK	SA	A	SYS	C	M-66-7	D8	CC	RR		RJ-20	
											CO	RR		RJ-20	
Valve Name A ADS Accum Unregulated N2 Header Dw Supply CV															
1IN045	3	C	1 x 2	RV	SA	A	C	O/C	M-66-7	E7	RT	Y10			
Valve Name A N2 Manifold Relief Valve															
1IN046	3	C	1 x 2	RV	SA	A	C	O/C	M-66-7	E6	RT	Y10			
Valve Name B N2 Manifold Relief Valve															
1IN074	2	A	1.5	GL	AO	A	O	C	M-66-1	E5	FC	CS		CS-19	
											LT	AJ			TP-04
											PI	Y2			
											SC	CS		CS-19	
Valve Name DW Inst N2 Dryer Purge Downstream Outlet Valve															

Revision Date: 08/17/01

LaSalle Station  
IST PROGRAM PLAN

Instrument Nitrogen (Page 5)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1IN075	2	A	1.5	GL	AO	A	O	C	M-66-1	E5	FC LT PI SC	CS AJ Y2 CS		CS-19	TP-04
Valve Name DW Inst N2 Dryer Purge Upstream Outlet Valve															
1IN100	2	B	1	GL	SO	A	O	O/C	M-66-7	C7	FC PI SC	CS Y2 CS		CS-26 CS-26	TP-07
Valve Name A ADS Accum Unregulated N2 Header DW Isol Valve															
1IN101	2	B	1	GL	SO	A	O	O/C	M-66-7	C6	FC PI SC	CS Y2 CS		CS-26 CS-26	TP-07
Valve Name B ADS Accum Unregulated N2 Header DW Isol Valve															
2B21-F024A	3	AC	0.75	CK	SA	A	SYS	C	M-66-4	F4	CC CO LT	RR RR Y2		RJ-06 RJ-06	
Valve Name A Inbd MSIV Accum Inlet Check Valve															
2B21-F024B	3	AC	0.75	CK	SA	A	SYS	C	M-66-4	F7	CC CO LT	RR RR Y2		RJ-06 RJ-06	
Valve Name B Inbd MSIV Accum Inlet Check Valve															
2B21-F024C	3	AC	0.75	CK	SA	A	SYS	C	M-66-4	F1	CC CO LT	RR RR Y2		RJ-06 RJ-06	
Valve Name C Inbd MSIV Accum Inlet Check Valve															
2B21-F024D	3	AC	0.75	CK	SA	A	SYS	C	M-66-4	F3	CC CO LT	RR RR Y2		RJ-06 RJ-06	
Valve Name D Inbd MSIV Accum Inlet Check Valve															
2B21-F036C	3	AC	0.5	CK	SA	A	SYS	C	M-66-8	E2	CC CO LT	RR RR Y2		RJ-32 RJ-32	
Valve Name SRV Accumulator 2B21-A004C Inlet Check Valve															
2B21-F036D	3	AC	0.5	CK	SA	A	SYS	C	M-66-8	E7	CC CO LT	RR RR Y2		RJ-32 RJ-32	
Valve Name SRV Accumulator 2B21-A004D Inlet Check Valve															

Revision Date: 08/17/01

Instrument Nitrogen (Page 6)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2B21-F036E	3	AC	0.5	CK	SA	A	SYS	C	M-66-4	D6	CC CO LT	RR RR Y2		RJ-32 RJ-32	
Valve Name SRV Accumulator 2B21-A004E Inlet Check Valve															
2B21-F036F	3	AC	0.5	CK	SA	A	SYS	C	M-66-4	D2	CC CO LT	RR RR Y2		RJ-32 RJ-32	
Valve Name SRV Accumulator 2B21-A004F Inlet Check Valve															
2B21-F036H	3	AC	0.5	CK	SA	A	SYS	C	M-66-8	C2	CC CO LT	RR RR Y2		RJ-32 RJ-32	
Valve Name SRV Accumulator 2B21-A004H Inlet Check Valve															
2B21-F036K	3	AC	0.5	CK	SA	A	SYS	C	M-66-4	D3	CC CO LT	RR RR Y2		RJ-32 RJ-32	
Valve Name SRV Accumulator 2B21-A004K Inlet Check Valve															
2B21-F036L	3	AC	0.5	CK	SA	A	SYS	C	M-66-4	D5	CC CO LT	RR RR Y2		RJ-32 RJ-32	
Valve Name SRV Accumulator 2B21-A004L Inlet Check Valve															
2B21-F036M	3	AC	0.5	CK	SA	A	SYS	C	M-66-4	D4	CC CO LT	RR RR Y2		RJ-32 RJ-32	
Valve Name SRV Accumulator 2B21-A004M Inlet Check Valve															
2B21-F036P	3	AC	0.5	CK	SA	A	SYS	C	M-66-8	E8	CC CO LT	RR RR Y2		RJ-32 RJ-32	
Valve Name SRV Accumulator 2B21-A004P Inlet Check Valve															
2B21-F036R	3	AC	0.5	CK	SA	A	SYS	C	M-66-4	D7	CC CO LT	RR RR Y2		RJ-32 RJ-32	
Valve Name SRV Accumulator 2B21-A004R Inlet Check Valve															
2B21-F036S	3	AC	0.5	CK	SA	A	SYS	C	M-66-4	D4	CC CO LT	RR RR Y2		RJ-32 RJ-32	
Valve Name SRV Accumulator 2B21-A004S Inlet Check Valve															
2B21-F036U	3	AC	0.5	CK	SA	A	SYS	C	M-66-8	E4	CC CO LT	RR RR Y2		RJ-32 RJ-32	
Valve Name SRV Accumulator 2B21-A004U Inlet Check Valve															

Revision Date: 08/17/01

LaSalle Station  
IST PROGRAM PLAN

Instrument Nitrogen (Page 7)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2B21-F036V	3	AC	0.5	CK	SA	A	SYS	C	M-66-4	D1	CC CO LT	RR RR Y2		RJ-32 RJ-32	
Valve Name SRV Accumulator 2B21-A004V Inlet Check Valve															
2B21-F040C	3	AC	0.5	CK	SA	A	SYS	O/C	M-66-8	C3	CC CO LT	RR RR Y2		RJ-06 RJ-33	
Valve Name SRV ADS Accumulator 2B21-A003C Inlet Check Valve															
2B21-F040D	3	AC	0.5	CK	SA	A	SYS	O/C	M-66-8	C7	CC CO LT	RR RR Y2		RJ-06 RJ-33	
Valve Name SRV ADS Accumulator 2B21-A003D Inlet Check Valve															
2B21-F040E	3	AC	0.5	CK	SA	A	SYS	O/C	M-66-4	B6	CC CO LT	RR RR Y2		RJ-06 RJ-33	
Valve Name SRV ADS Accumulator 2B21-A003E Inlet Check Valve															
2B21-F040R	3	AC	0.5	CK	SA	A	SYS	O/C	M-66-4	B7	CC CC CO LT	RR RR RR Y2		RJ-06 RJ-06 RJ-33	
Valve Name SRV ADS Accumulator 2B21-A003R Inlet Check Valve															
2B21-F040S	3	AC	0.5	CK	SA	A	SYS	O/C	M-66-4	B3	CC CO LT	RR RR Y2		RJ-06 RJ-33	
Valve Name SRV ADS Accumulator 2B21-A003S Inlet Check Valve															
2B21-F040U	3	AC	0.5	CK	SA	A	SYS	O/C	M-66-8	C5	CC CO LT	RR RR Y2		RJ-06 RJ-33	
Valve Name SRV ADS Accumulator 2B21-A003U Inlet Check Valve															
2B21-F040V	3	AC	0.5	CK	SA	A	SYS	O/C	M-66-4	B1	CC CO LT	RR RR Y2		RJ-06 RJ-33	
Valve Name SRV ADS Accumulator 2B21-A003V Inlet Check Valve															
2IN001A	2	A	2	GL	AO	A	O	C	M-66-3	F6	FC LT PI SC	RR AJ Y2 RR		RJ-03 TP-04 RJ-03	
Valve Name Drywell Inst N2 Suction Header Upstm Isolation Vlv															

Revision Date: 08/17/01

Instrument Nitrogen (Page 8)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2IN001B	2	A	2	GL	AO	A	O	C	M-66-3	F7	FC	RR		RJ-03	
											LT	AJ			TP-04
											PI	Y2			
											SC	RR		RJ-03	
Valve Name Drywell Inst N2 Suction Header Upstm Isolation Vlv															
2IN017	2	A	1.5	GL	AO	A	O	C	M-66-3	B3	FC	CS		CS-24	
											LT	AJ			TP-04
											PI	Y2			
											SC	CS		CS-24	
Valve Name DW Inst N2 Regulated Hdr Drywell Supply Valve															
2IN018	2	AC	2	CK	SA	A	SYS	C	M-66-3	B3	CC	RR		RJ-20	CWE00-02
											CP	M3			
											LT	AJ			TP-04
Valve Name DW Inst N2 Regulated Hdr Drywell Isol Check Valve															
2IN031	2	A	0.75	GL	SO	A	O	C	M-66-3	B5	FC	CS		CS-25	
											LT	AJ			TP-04
											PI	Y2			
											SC	CS		CS-25	
Valve Name Drywell Inst N2 TIP Indexer Purge Valve															
2IN043	3	C	1	CK	SA	A	SYS	C	M-66-7	D1	CC	RR		RJ-20	
											CO	RR		RJ-20	
Valve Name B ADS Accum Unregulated N2 Header Dw Supply CV															
2IN044	3	C	1	CK	SA	A	SYS	C	M-66-7	D4	CC	RR		RJ-20	
											CO	RR		RJ-20	
Valve Name A ADS Accum Unregulated N2 Header Dw Supply CV															
2IN045	3	C	1 x 2	RV	SA	A	C	O/C	M-66-7	E3	RT	Y10			
Valve Name A N2 Manifold Relief Valve															
2IN046	3	C	1 x 2	RV	SA	A	C	O/C	M-66-7	E2	RT	Y10			
Valve Name B N2 Manifold Relief Valve															
2IN074	2	A	1.5	GL	AO	A	O	C	M-66-3	E5	FC	CS		CS-19	
											LT	AJ			TP-04
											PI	Y2			
											SC	CS		CS-19	
Valve Name DW Inst N2 Dryer Purge Downstream Outlet Valve															
2IN075	2	A	1.5	GL	AO	A	O	C	M-66-3	E5	FC	CS		CS-19	
											LT	AJ			TP-04
											PI	Y2			
											SC	CS		CS-19	
Valve Name DW Inst N2 Dryer Purge Upstream Outlet Valve															

Revision Date: 08/17/01

LaSalle Station  
IST PROGRAM PLAN

Instrument Nitrogen (Page 9)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2IN100	2	B	1	GL	SO	A	O	O/C	M-66-7	C3	FC	CS		CS-26	
											PI	Y2			
											SC	CS		CS-26	TP-07
Valve Name A ADS Accum Unregulated N2 Header DW Isol Valve															
2IN101	2	B	1	GL	SO	A	O	O/C	M-66-7	C2	FC	CS		CS-26	
											PI	Y2			
											SC	CS		CS-26	TP-07
Valve Name B ADS Accum Unregulated N2 Header DW Isol Valve															

Revision Date: 08/17/01



LaSalle Station  
IST PROGRAM PLAN

Low Pressure Core Spray (Page 1)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1E21-F001	2	A	24	GA	MO	A	O	O/C	M-94	B6	LT PI SC	AJ Y2 M3			TP-04  TP-07
Valve Name LPCS Pump Suction Isolation Valve															
1E21-F003	2	C	16	CK	SA	A	SYS	O/C	M-94	C2	CC CO	M3 M3			
Valve Name LPCS Pump Dsch Check Valve															
1E21-F005	1	A	12	GA	MO	A	C	O/C	M-94	D6	LT LTJ PI SC SO	Y2 AJ Y2 CS CS			TP-04   CS-02 CS-02
Valve Name LPCS Injection Isolation Valve															
1E21-F006	1	AC	12	CK	SA	A	SYS	O/C	M-94	C6	CC CO LT	RR RR Y2			RJ-12 RJ-17
Valve Name LPCS Injection Check Valve															
1E21-F011	2	A	4	GA	MO	A	O	O/C	M-94	C3	LT PI SC SO	AJ Y2 M3 M3			TP-04
Valve Name LPCS Pump Minimum Flow Isolation Valve															
1E21-F012	2	A	14	GL	MO	A	C	C	M-94	C5	CP LT PI SC	M3 AJ Y2 CS			TP-04   CS-11
Valve Name LPCS Pump Full Flow Test Isolation Valve															
1E21-F018	2	AC	3 x 4	RV	SA	A	C	O/C	M-94	D5	LT RT	AJ Y10			TP-04
Valve Name LPCS Pump Dsch Relief Valve															
1E21-F031	2	AC	1 x 2	RV	SA	A	C	O/C	M-94	B4	LT RT	AJ Y10			TP-04
Valve Name LPCS Pump Suct Relief Valve															
1E21-F033	2	C	0.75	CK	SA	A	SYS	O/C	M-94	C3	CC CO	M3 M3			TP-02 TP-02
Valve Name LPCS Water Leg Pump Dsch Check Valve															
1E21-F051	1	B	12	GA	M	P	LO	O	M-94	C7	PI	Y2			
Valve Name LPCS Injection Hdr Manual Stop Valve															

Revision Date: August 17, 2001

Low Pressure Core Spray (Page 2)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1E21-F304	2	AC	0.75	XFC	SA	A	SYS	C	M-2094-1	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name LPCS/RHR Integrity Excess Flow Check Valve															
2E21-F001	2	A	24	GA	MO	A	O	O/C	M-140	B6	LT	AJ			TP-04
											PI	Y2			
											SC	M3			TP-07
Valve Name LPCS Pump Suction Isolation Valve															
2E21-F003	2	C	16	CK	SA	A	SYS	O/C	M-140	C2	CC	M3			
											CO	M3			
Valve Name LPCS Pump Dsch Check Valve															
2E21-F005	1	A	12	GA	MO	A	C	O/C	M-140	D6	LT	Y2			
											LTJ	AJ			TP-04
											PI	Y2			
											SC	CS		CS-02	
											SO	CS		CS-02	
Valve Name LPCS Injection Isolation Valve															
2E21-F006	1	AC	12	CK	SA	A	SYS	O/C	M-140	C6	CC	RR		RJ-12	
											CO	RR		RJ-17	
											LT	Y2			
Valve Name LPCS Injection Check Valve															
2E21-F011	2	A	4	GA	MO	A	O	O/C	M-140	C3	LT	AJ			TP-04
											PI	Y2			
											SC	M3			
											SO	M3			
Valve Name LPCS Pump Minimum Flow Isolation Valve															
2E21-F012	2	A	14	GL	MO	A	C	C	M-140	C5	CP	M3			
											LT	AJ			TP-04
											PI	Y2			
											SC	CS		CS-11	
Valve Name LPCS Pump Full Flow Test Isolation Valve															
2E21-F018	2	AC	3 x 4	RV	SA	A	C	O/C	M-140	D5	LT	AJ			TP-04
											RT	Y10			
Valve Name LPCS Pump Dsch Relief Valve															
2E21-F031	2	AC	1 x 2	RV	SA	A	C	O/C	M-140	B4	LT	AJ			TP-04
											RT	Y10			
Valve Name LPCS Pump Suct Relief Valve															

Revision Date: August 17, 2001

LaSalle Station  
IST PROGRAM PLAN

Low Pressure Core Spray (Page 3)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2E21-F033	2	C	0.75	CK	SA	A	SYS	O/C	M-140	C3	CC CO	M3 M3			TP-02 TP-02
Valve Name LPCS Water Leg Pump Dsch Check Valve															
2E21-F051	1	B	12	GA	M	P	LO	O	M-140	C7	PI	Y2			
Valve Name LPCS Injection Hdr Manual Stop Valve															
2E21-F304	2	AC	0.75	XFC	SA	A	SYS	C	M-2140-1	B5	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name LPCS/RHR Integrity Excess Flow Check Valve															

Main Steam (Page 1)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1B21-F013A	1	C	6	RV	AO	A	C	O/C	M-55-1	D3	RT	Y5	RJ-11		CWE98-03
Valve Name D Main Steam Line Safety Relief Valve															
1B21-F013B	1	C	6	RV	AO	A	C	O/C	M-55-1	C3	RT	Y5	RJ-11		CWE98-03
Valve Name A Main Steam Line Safety Relief Valve															
1B21-F013C	1	C	6	RV	AO	A	C	O/C	M-55-1	E2	RT	Y5	RJ-11		CWE98-03
Valve Name C Main Steam Line Safety Relief Valve															
1B21-F013D	1	C	6	RV	AO	A	C	O/C	M-55-1	B2	RT	Y5	RJ-11		CWE98-03
Valve Name B Main Steam Line Safety Relief Valve															
1B21-F013E	1	C	6	RV	AO	A	C	O/C	M-55-1	E3	RT	Y5	RJ-11		CWE98-03
Valve Name C Main Steam Line Safety Relief Valve															
1B21-F013F	1	C	6	RV	AO	A	C	O/C	M-55-1	B3	RT	Y5	RJ-11		CWE98-03
Valve Name B Main Steam Line Safety Relief Valve															
1B21-F013G	1	C	6	RV	AO	A	C	O/C	M-55-1	D6	RT	Y5	RJ-11		CWE98-03
Valve Name D Main Steam Line Safety Relief Valve															
1B21-F013H	1	C	6	RV	AO	A	C	O/C	M-55-1	D4	RT	Y5	RJ-11		CWE98-03
Valve Name D Main Steam Line Safety Relief Valve															
1B21-F013J	1	C	6	RV	AO	A	C	O/C	M-55-1	C4	RT	Y5	RJ-11		CWE98-03
Valve Name A Main Steam Line Safety Relief Valve															
1B21-F013K	1	C	6	RV	AO	A	C	O/C	M-55-1	B4	RT	Y5	RJ-11		CWE98-03
Valve Name B Main Steam Line Safety Relief Valve															
1B21-F013L	1	C	6	RV	AO	A	C	O/C	M-55-1	E6	RT	Y5	RJ-11		CWE98-03
Valve Name C Main Steam Line Safety Relief Valve															
1B21-F013M	1	C	6	RV	AO	A	C	O/C	M-55-1	B7	RT	Y5	RJ-11		CWE98-03
Valve Name B Main Steam Line Safety Relief Valve															
1B21-F013N	1	C	6	RV	AO	A	C	O/C	M-55-1	E7	RT	Y5	RJ-11		CWE98-03
Valve Name C Main Steam Line Safety Relief Valve															
1B21-F013P	1	C	6	RV	AO	A	C	O/C	M-55-1	C6	RT	Y5	RJ-11		CWE98-03
Valve Name A Main Steam Line Safety Relief Valve															
1B21-F013R	1	C	6	RV	AO	A	C	O/C	M-55-1	E5	RT	Y5	RJ-11		CWE98-03
Valve Name C Main Steam Line Safety Relief Valve															
1B21-F013S	1	C	6	RV	AO	A	C	O/C	M-55-1	B6	RT	Y5	RJ-11		CWE98-03
Valve Name B Main Steam Line Safety Relief Valve															
1B21-F013U	1	C	6	RV	AO	A	C	O/C	M-55-1	D7	RT	Y5	RJ-11		CWE98-03
Valve Name D Main Steam Line Safety Relief Valve															
1B21-F013V	1	C	6	RV	AO	A	C	O/C	M-55-1	C7	RT	Y5	RJ-11		CWE98-03
Valve Name A Main Steam Line Safety Relief Valve															

Revision Date: 08/17/01

LaSalle Station  
IST PROGRAM PLAN

Main Steam (Page 2)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1B21-F016	1	A	3	GA	MO	A	O	C	M-55-7	B7	LT PI SC	AJ Y2 M3			TP-04
Valve Name Inbd Main Steam Line Drain Header Inbd Isol Valve															
1B21-F019	1	A	3	GA	MO	A	O	C	M-55-7	B6	LT PI SC	AJ Y2 M3			TP-04
Valve Name Inbd Main Steam Line Drain Header Otbd Isol Valve															
1B21-F020	NS	N/A	3	GL	MO	N/A	C	N/A	M-55-7	B5	PI SC SO	Y2 RR RR		RJ-23 RJ-23	
Valve Name Main Steam Equalizing Header Upstrm Stop Valve															
1B21-F021	NS	N/A	3	GL	MO	N/A	C	N/A	M-55-7	A5	PI SC SO	Y2 RR RR		RJ-23 RJ-23	
Valve Name Inbd Main Steam Line Header Orifice Bypass Valve															
1B21-F022A	1	A	26	GL	AO	A	O	C	M-55-2	C6	CP FC LT PI SC	M3 CS AJ Y2 CS		CS-08	TP-04
Valve Name A Main Steam Line Inboard Isolation Valve															
1B21-F022B	1	A	26	GL	AO	A	O	C	M-55-2	B6	CP FC LT PI SC	M3 CS AJ Y2 CS		CS-08	TP-04
Valve Name B Main Steam Line Inboard Isolation Valve															
1B21-F022C	1	A	26	GL	AO	A	O	C	M-55-2	F6	CP FC LT PI SC	M3 CS AJ Y2 CS		CS-08	TP-04
Valve Name C Main Steam Line Inboard Isolation Valve															
1B21-F022D	1	A	26	GL	AO	A	O	C	M-55-2	D6	CP FC LT PI SC	M3 CS AJ Y2 CS		CS-08	TP-04
Valve Name D Main Steam Line Inboard Isolation Valve															

Revision Date: 08/17/01

LaSalle Station  
IST PROGRAM PLAN

Main Steam (Page 3)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1B21-F028A	1	A	26	GL	AO	A	O	C	M-55-2	C4	CP	M3			
											FC	CS		CS-08	
											LT	AJ			TP-04
											PI	Y2			
											SC	CS		CS-08	
Valve Name A Main Steam Line Outboard Isolation Valve															
1B21-F028B	1	A	26	GL	AO	A	O	C	M-55-2	B4	CP	M3			
											FC	CS		CS-08	
											LT	AJ			TP-04
											PI	Y2			
											SC	CS		CS-08	
Valve Name B Main Steam Line Outboard Isolation Valve															
1B21-F028C	1	A	26	GL	AO	A	O	C	M-55-2	F4	CP	M3			
											FC	CS		CS-08	
											LT	AJ			TP-04
											PI	Y2			
											SC	CS		CS-08	
Valve Name C Main Steam Line Outboard Isolation Valve															
1B21-F028D	1	A	26	GL	AO	A	O	C	M-55-2	D4	CP	M3			
											FC	CS		CS-08	
											LT	AJ			TP-04
											PI	Y2			
											SC	CS		CS-08	
Valve Name D Main Steam Line Outboard Isolation Valve															
1B21-F037A1	3	C	6	CK	SA	A	SYS	O/C	M-92-1	C4	CC	RR		RJ-02	
											CO	RR		RJ-02	
Valve Name A SRV Downcomer Vacuum Bkr Valve															
1B21-F037A2	3	C	6	CK	SA	A	SYS	O/C	M-92-1	C4	CC	RR		RJ-02	
											CO	RR		RJ-02	
Valve Name A SRV Downcomer Vacuum Bkr Valve															
1B21-F037B1	3	C	6	CK	SA	A	SYS	O/C	M-92-1	C4	CC	RR		RJ-02	
											CO	RR		RJ-02	
Valve Name B SRV Downcomer Vacuum Bkr Valve															
1B21-F037B2	3	C	6	CK	SA	A	SYS	O/C	M-92-1	C4	CC	RR		RJ-02	
											CO	RR		RJ-02	
Valve Name B SRV Downcomer Vacuum Bkr Valve															
1B21-F037C1	3	C	6	CK	SA	A	SYS	O/C	M-92-1	C4	CC	RR		RJ-02	
											CO	RR		RJ-02	
Valve Name C SRV Downcomer Vacuum Bkr Valve															

Revision Date: 08/17/01

Main Steam (Page 4)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1B21-F037C2	3	C	6	CK	SA	A	SYS	O/C	M-92-1	C4	CC CO	RR RR		RJ-02 RJ-02	
Valve Name C SRV Downcomer Vacuum Bkr Valve															
1B21-F037D1	3	C	6	CK	SA	A	SYS	O/C	M-92-1	C4	CC CO	RR RR		RJ-02 RJ-02	
Valve Name D SRV Downcomer Vacuum Bkr Valve															
1B21-F037D2	3	C	6	CK	SA	A	SYS	O/C	M-92-1	C4	CC CO	RR RR		RJ-02 RJ-02	
Valve Name D SRV Downcomer Vacuum Bkr Valve															
1B21-F037E1	3	C	6	CK	SA	A	SYS	O/C	M-92-1	C4	CC CO	RR RR		RJ-02 RJ-02	
Valve Name E SRV Downcomer Vacuum Bkr Valve															
1B21-F037E2	3	C	6	CK	SA	A	SYS	O/C	M-92-1	C4	CC CO	RR RR		RJ-02 RJ-02	
Valve Name E SRV Downcomer Vacuum Bkr Valve															
1B21-F037F1	3	C	6	CK	SA	A	SYS	O/C	M-92-1	C4	CC CO	RR RR		RJ-02 RJ-02	
Valve Name F SRV Downcomer Vacuum Bkr Valve															
1B21-F037F2	3	C	6	CK	SA	A	SYS	O/C	M-92-1	C4	CC CO	RR RR		RJ-02 RJ-02	
Valve Name F SRV Downcomer Vacuum Bkr Valve															
1B21-F037G1	3	C	6	CK	SA	A	SYS	O/C	M-92-1	C5	CC CO	RR RR		RJ-02 RJ-02	
Valve Name G SRV Downcomer Vacuum Bkr Valve															
1B21-F037G2	3	C	6	CK	SA	A	SYS	O/C	M-92-1	C5	CC CO	RR RR		RJ-02 RJ-02	
Valve Name G SRV Downcomer Vacuum Bkr Valve															
1B21-F037H1	3	C	6	CK	SA	A	SYS	O/C	M-92-1	C6	CC CO	RR RR		RJ-02 RJ-02	
Valve Name H SRV Downcomer Vacuum Bkr Valve															
1B21-F037H2	3	C	6	CK	SA	A	SYS	O/C	M-92-1	C6	CC CO	RR RR		RJ-02 RJ-02	
Valve Name H SRV Downcomer Vacuum Bkr Valve															
1B21-F037J1	3	C	6	CK	SA	A	SYS	O/C	M-92-1	C6	CC CO	RR RR		RJ-02 RJ-02	
Valve Name J SRV Downcomer Vacuum Bkr Valve															
1B21-F037J2	3	C	6	CK	SA	A	SYS	O/C	M-92-1	C6	CC CO	RR RR		RJ-02 RJ-02	
Valve Name J SRV Downcomer Vacuum Bkr Valve															

Revision Date: 08/17/01

LaSalle Station  
IST PROGRAM PLAN

Main Steam (Page 5)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1B21-F037K1	3	C	6	CK	SA	A	SYS	O/C	M-92-1	C5	CC CO	RR RR		RJ-02 RJ-02	
Valve Name K SRV Downcomer Vacuum Bkr Valve															
1B21-F037K2	3	C	6	CK	SA	A	SYS	O/C	M-92-1	C5	CC CO	RR RR		RJ-02 RJ-02	
Valve Name K SRV Downcomer Vacuum Bkr Valve															
1B21-F037L1	3	C	6	CK	SA	A	SYS	O/C	M-92-1	C5	CC CO	RR RR		RJ-02 RJ-02	
Valve Name L SRV Downcomer Vacuum Bkr Valve															
1B21-F037L2	3	C	6	CK	SA	A	SYS	O/C	M-92-1	C5	CC CO	RR RR		RJ-02 RJ-02	
Valve Name L SRV Downcomer Vacuum Bkr Valve															
1B21-F037M1	3	C	6	CK	SA	A	SYS	O/C	M-92-1	C6	CC CO	RR RR		RJ-02 RJ-02	
Valve Name M SRV Downcomer Vacuum Bkr Valve															
1B21-F037M2	3	C	6	CK	SA	A	SYS	O/C	M-92-1	C6	CC CO	RR RR		RJ-02 RJ-02	
Valve Name M SRV Downcomer Vacuum Bkr Valve															
1B21-F037N1	3	C	6	CK	SA	A	SYS	O/C	M-92-1	C6	CC CO	RR RR		RJ-02 RJ-02	
Valve Name N SRV Downcomer Vacuum Bkr Valve															
1B21-F037N2	3	C	6	CK	SA	A	SYS	O/C	M-92-1	C6	CC CO	RR RR		RJ-02 RJ-02	
Valve Name N SRV Downcomer Vacuum Bkr Valve															
1B21-F037P1	3	C	6	CK	SA	A	SYS	O/C	M-92-1	C5	CC CO	RR RR		RJ-02 RJ-02	
Valve Name P SRV Downcomer Vacuum Bkr Valve															
1B21-F037P2	3	C	6	CK	SA	A	SYS	O/C	M-92-1	C5	CC CO	RR RR		RJ-02 RJ-02	
Valve Name P SRV Downcomer Vacuum Bkr Valve															
1B21-F037R1	3	C	6	CK	SA	A	SYS	O/C	M-92-1	C5	CC CO	RR RR		RJ-02 RJ-02	
Valve Name R SRV Downcomer Vacuum Bkr Valve															
1B21-F037R2	3	C	6	CK	SA	A	SYS	O/C	M-92-1	C5	CC CO	RR RR		RJ-02 RJ-02	
Valve Name R SRV Downcomer Vacuum Bkr Valve															
1B21-F037S1	3	C	6	CK	SA	A	SYS	O/C	M-92-1	C5	CC CO	RR RR		RJ-02 RJ-02	
Valve Name S SRV Downcomer Vacuum Bkr Valve															

Revision Date: 08/17/01



Main Steam (Page 6)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1B21-F037S2	3	C	6	CK	SA	A	SYS	O/C	M-92-1	C5	CC CO	RR RR		RJ-02 RJ-02	
Valve Name S SRV Downcomer Vacuum Bkr Valve															
1B21-F037U1	3	C	6	CK	SA	A	SYS	O/C	M-92-1	C6	CC CO	RR RR		RJ-02 RJ-02	
Valve Name U SRV Downcomer Vacuum Bkr Valve															
1B21-F037U2	3	C	6	CK	SA	A	SYS	O/C	M-92-1	C6	CC CO	RR RR		RJ-02 RJ-02	
Valve Name U SRV Downcomer Vacuum Bkr Valve															
1B21-F037V1	3	C	6	CK	SA	A	SYS	O/C	M-92-1	C5	CC CO	RR RR		RJ-02 RJ-02	
Valve Name V SRV Downcomer Vacuum Bkr Valve															
1B21-F037V2	3	C	6	CK	SA	A	SYS	O/C	M-92-1	C5	CC CO	RR RR		RJ-02 RJ-02	
Valve Name V SRV Downcomer Vacuum Bkr Valve															
1B21-F067A	1	A	1.5	GA	MO	A	O	C	M-55-7	E6	LT PI SC	AJ Y2 M3			TP-04
Valve Name A Otbd MSIV Below Seat Drain Valve															
1B21-F067B	1	A	1.5	GA	MO	A	O	C	M-55-7	E5	LT PI SC	AJ Y2 M3			TP-04
Valve Name B Otbd MSIV Below Seat Drain Valve															
1B21-F067C	1	A	1.5	GA	MO	A	O	C	M-55-7	E7	LT PI SC	AJ Y2 M3			TP-04
Valve Name C Otbd MSIV Below Seat Drain Valve															
1B21-F067D	1	A	1.5	GA	MO	A	O	C	M-55-7	E6	LT PI SC	AJ Y2 M3			TP-04
Valve Name D Otbd MSIV Below Seat Drain Valve															
1B21-F070	NS	N/A	3	GL	MO	N/A	C	N/A	M-55-7	B2	PI SC SO	Y2 RR RR		RJ-23 RJ-23	
Valve Name Main Steamline Drain Upstr. Orifice Bypass Valve															
1B21-F071	NS	N/A	1	GL	MO	N/A	O	N/A	M-55-7	B2	PI SC SO	Y2 RR RR		RJ-23 RJ-23	
Valve Name Main Steamline Drain Upstr. Orifice Inlet Valve															

Revision Date: 08/17/01

LaSalle Station  
IST PROGRAM PLAN

Main Steam (Page 7)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1B21-F072	NS	N/A	3	GL	MO	N/A	C	N/A	M-55-7	C2	PI	Y2			
											SC	RR		RJ-23	
											SO	RR		RJ-23	
Valve Name Main Steamline Drain Dwnst. Orifice Bypass Valve															
1B21-F073	NS	N/A	1	GL	MO	N/A	O	N/A	M-55-7	C2	PI	Y2			
											SC	RR		RJ-23	
											SO	RR		RJ-23	
Valve Name Main Steamline Drain Dwnst. Orifice Inlet Valve															
1B21-F325A	2	AC	0.75	XFC	SA	A	SYS	C	M-2055-4	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name A MS Line Hi Flow D/P Inst 1E31-N008A/N008B Hi EFV															
1B21-F325B	2	AC	0.75	XFC	SA	A	SYS	C	M-2055-5	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name B MS Hi Line Flow D/P Inst 1E31-N009A/N009B Hi EFV															
B21-F325C	2	AC	0.75	XFC	SA	A	SYS	C	M-2055-6	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name C MS Line Hi Flow D/P Sw 1E31-N010A/N010B Hi EFV															
1B21-F325D	2	AC	0.75	XFC	SA	A	SYS	C	M-2055-7	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name D MS Line Hi Flow D/P Sw 1E31-N011A/N011B Hi EFV															
1B21-F326A	2	AC	0.75	XFC	SA	A	SYS	C	M-2055-4	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name A MS Line Hi Flow D/P Inst 1E31-N008A/N008B Lo EFV															
1B21-F326B	2	AC	0.75	XFC	SA	A	SYS	C	M-2055-5	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name B MS Hi Line Flow D/P Inst 1E31-N009A/N009B Lo EFV															

Revision Date: 08/17/01

LaSalle Station  
IST PROGRAM PLAN

Main Steam (Page 8)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1B21-F326C	2	AC	0.75	XFC	SA	A	SYS	C	M-2055-6	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name C MS Line Hi Flow D/P Sw 1E31-N010A/N010B Lo EFV															
1B21-F326D	2	AC	0.75	XFC	SA	A	SYS	C	M-2055-7	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name D MS Line Hi Flow D/P Sw 1E31-N011A/N011B Lo EFV															
1B21-F327A	2	AC	0.75	XFC	SA	A	SYS	C	M-2055-4	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name A MS Line Hi Flow D/P Sw 1E31-N008D/N008C Lo EFV															
1B21-F327B	2	AC	0.75	XFC	SA	A	SYS	C	M-2055-5	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name B MS Line Hi Flow D/P Sw 1E31-N009D/N009C Lo EFV															
1B21-F327C	2	AC	0.75	XFC	SA	A	SYS	C	M-2055-6	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name C MS Line Hi Flow D/P Inst 1E31-N010C/N010D Lo EFV															
1B21-F327D	2	AC	0.75	XFC	SA	A	SYS	C	M-2055-7	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name D MS Line Hi Flow D/P Inst 1E31-N011C/N011D Lo EFV															
1B21-F328A	2	AC	0.75	XFC	SA	A	SYS	C	M-2055-4	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name A MS Line Hi Flow D/P Sw 1E31-N008D/N008C Hi EFV															
1B21-F328B	2	AC	0.75	XFC	SA	A	SYS	C	M-2055-5	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name B MS Line Hi Flow D/P Sw 1E31-N009D/N009C Hi EFV															

Revision Date: 08/17/01

Main Steam (Page 9)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1B21-F328C	2	AC	0.75	XFC	SA	A	SYS	C	M-2055-6	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name C MS Line Hi Flow D/P Inst 1E31-N010C/N010D Hi EFV															
1B21-F328D	2	AC	0.75	XFC	SA	A	SYS	C	M-2055-7	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name D MS Line Hi Flow D/P Inst 1E31-N011C/N011D Hi EFV															
1B21-F418A	NS	N/A	18	GA	MO	N/A	O	N/A	M-55-3	F6	PI	Y2			
											SC	RR		RJ-23	
											SO	RR		RJ-23	
Valve Name Main Steam Aux Supply Stop Valve															
1B21-F418B	NS	N/A	18	GA	MO	N/A	O	N/A	M-55-3	B7	PI	Y2			
											SC	RR		RJ-23	
											SO	RR		RJ-23	
Valve Name Main Steam Aux Supply Stop Valve															
2B21-F013C	1	C	6	RV	AO	A	C	O/C	M-116-1	E2	RT	Y5	RJ-11		CWE98-03
Valve Name C Main Steam Line Safety Relief Valve															
2B21-F013D	1	C	6	RV	AO	A	C	O/C	M-116-1	B2	RT	Y5	RJ-11		CWE98-03
Valve Name B Main Steam Line Safety Relief Valve															
2B21-F013E	1	C	6	RV	AO	A	C	O/C	M-116-1	E3	RT	Y5	RJ-11		CWE98-03
Valve Name C Main Steam Line Safety Relief Valve															
2B21-F013F	1	C	6	RV	AO	A	C	O/C	M-116-1	B3	RT	Y5	RJ-11		CWE98-03
Valve Name B Main Steam Line Safety Relief Valve															
2B21-F013H	1	C	6	RV	AO	A	C	O/C	M-116-1	D4	RT	Y5	RJ-11		CWE98-03
Valve Name D Main Steam Line Safety Relief Valve															
2B21-F013K	1	C	6	RV	AO	A	C	O/C	M-116-1	B4	RT	Y5	RJ-11		CWE98-03
Valve Name B Main Steam Line Safety Relief Valve															
2B21-F013L	1	C	6	RV	AO	A	C	O/C	M-116-1	E6	RT	Y5	RJ-11		CWE98-03
Valve Name C Main Steam Line Safety Relief Valve															
2B21-F013M	1	C	6	RV	AO	A	C	O/C	M-116-1	B7	RT	Y5	RJ-11		CWE98-03
Valve Name B Main Steam Line Safety Relief Valve															
2B21-F013P	1	C	6	RV	AO	A	C	O/C	M-116-1	C6	RT	Y5	RJ-11		CWE98-03
Valve Name A Main Steam Line Safety Relief Valve															
2B21-F013R	1	C	6	RV	AO	A	C	O/C	M-116-1	E5	RT	Y5	RJ-11		CWE98-03
Valve Name C Main Steam Line Safety Relief Valve															

Revision Date: 08/17/01

Main Steam (Page 10)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2B21-F013S	1	C	6	RV	AO	A	C	O/C	M-116-1	B6	RT	Y5	RJ-11		CWE98-03
Valve Name B Main Steam Line Safety Relief Valve															
2B21-F013U	1	C	6	RV	AO	A	C	O/C	M-116-1	D7	RT	Y5	RJ-11		CWE98-03
Valve Name D Main Steam Line Safety Relief Valve															
2B21-F013V	1	C	6	RV	AO	A	C	O/C	M-116-1	C7	RT	Y5	RJ-11		CWE98-03
Valve Name A Main Steam Line Safety Relief Valve															
2B21-F016	1	A	3	GA	MO	A	O	C	M-116-7	B7	LT PI SC	AJ Y2 M3			TP-04
Valve Name Inbd Main Steam Line Drain Header Inbd Isol Valve															
2B21-F019	1	A	3	GA	MO	A	O	C	M-116-7	B6	LT PI SC	AJ Y2 M3			TP-04
Valve Name Inbd Main Steam Line Drain Header Otbd Isol Valve															
2B21-F020	NS	N/A	3	GL	MO	N/A	C	N/A	M-116-7	B5	PI SC SO	Y2 RR RR		RJ-23 RJ-23	
Valve Name Main Steam Equalizing Header Upstrm Stop Valve															
2B21-F021	NS	N/A	3	GL	MO	N/A	C	N/A	M-116-7	A5	PI SC SO	Y2 RR RR		RJ-23 RJ-23	
Valve Name Inbd Main Steam Line Header Orifice Bypass Valve															
2B21-F022A	1	A	26	GL	AO	A	O	C	M-116-2	C6	CP FC LT PI SC	M3 CS AJ Y2 CS		CS-08	TP-04
Valve Name A Main Steam Line Inboard Isolation Valve															
2B21-F022B	1	A	26	GL	AO	A	O	C	M-116-2	B6	CP FC LT PI SC	M3 CS AJ Y2 CS		CS-08	TP-04
Valve Name B Main Steam Line Inboard Isolation Valve															
2B21-F022C	1	A	26	GL	AO	A	O	C	M-116-2	F6	CP FC LT PI SC	M3 CS AJ Y2 CS		CS-08	TP-04
Valve Name C Main Steam Line Inboard Isolation Valve															

Revision Date: 08/17/01

LaSalle Station  
IST PROGRAM PLAN

Main Steam (Page 11)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2B21-F022D	1	A	26	GL	AO	A	O	C	M-116-2	D6	CP	M3			
											FC	CS		CS-08	
											LT	AJ			TP-04
											PI	Y2			
											SC	CS		CS-08	

Valve Name D Main Steam Line Inboard Isolation Valve

2B21-F028A	1	A	26	GL	AO	A	O	C	M-116-2	C4	CP	M3			
											FC	CS		CS-08	
											LT	AJ			TP-04
											PI	Y2			
											SC	CS		CS-08	

Valve Name A Main Steam Line Outboard Isolation Valve

2B21-F028B	1	A	26	GL	AO	A	O	C	M-116-2	B4	CP	M3			
											FC	CS		CS-08	
											LT	AJ			TP-04
											PI	Y2			
											SC	CS		CS-08	

Valve Name B Main Steam Line Outboard Isolation Valve

2B21-F028C	1	A	26	GL	AO	A	O	C	M-116-2	F4	CP	M3			
											FC	CS		CS-08	
											LT	AJ			TP-04
											PI	Y2			
											SC	CS		CS-08	

Valve Name C Main Steam Line Outboard Isolation Valve

2B21-F028D	1	A	26	GL	AO	A	O	C	M-116-2	D4	CP	M3			
											FC	CS		CS-08	
											LT	AJ			TP-04
											PI	Y2			
											SC	CS		CS-08	

Valve Name D Main Steam Line Outboard Isolation Valve

2B21-F037C1	3	C	6	CK	SA	A	SYS	O/C	M-138-1	C4	CC	RR		RJ-02	
											CO	RR		RJ-02	

Valve Name C SRV Downcomer Vacuum Bkr Valve

2B21-F037C2	3	C	6	CK	SA	A	SYS	O/C	M-138-1	C4	CC	RR		RJ-02	
											CO	RR		RJ-02	

Valve Name C SRV Downcomer Vacuum Bkr Valve

2B21-F037D1	3	C	6	CK	SA	A	SYS	O/C	M-138-1	C4	CC	RR		RJ-02	
											CO	RR		RJ-02	

Valve Name D SRV Downcomer Vacuum Bkr Valve

Revision Date: 08/17/01

Main Steam (Page 12)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2B21-F037D2	3	C	6	CK	SA	A	SYS	O/C	M-138-1	C4	CC CO	RR RR		RJ-02 RJ-02	
Valve Name D SRV Downcomer Vacuum Bkr Valve															
2B21-F037E1	3	C	6	CK	SA	A	SYS	O/C	M-138-1	C4	CC CO	RR RR		RJ-02 RJ-02	
Valve Name E SRV Downcomer Vacuum Bkr Valve															
2B21-F037E2	3	C	6	CK	SA	A	SYS	O/C	M-138-1	C4	CC CO	RR RR		RJ-02 RJ-02	
Valve Name E SRV Downcomer Vacuum Bkr Valve															
2B21-F037F1	3	C	6	CK	SA	A	SYS	O/C	M-138-1	C4	CC CO	RR RR		RJ-02 RJ-02	
Valve Name F SRV Downcomer Vacuum Bkr Valve															
2B21-F037F2	3	C	6	CK	SA	A	SYS	O/C	M-138-1	C4	CC CO	RR RR		RJ-02 RJ-02	
Valve Name F SRV Downcomer Vacuum Bkr Valve															
2B21-F037H1	3	C	6	CK	SA	A	SYS	O/C	M-138-1	C6	CC CO	RR RR		RJ-02 RJ-02	
Valve Name H SRV Downcomer Vacuum Bkr Valve															
2B21-F037H2	3	C	6	CK	SA	A	SYS	O/C	M-138-1	C6	CC CO	RR RR		RJ-02 RJ-02	
Valve Name H SRV Downcomer Vacuum Bkr Valve															
2B21-F037K1	3	C	6	CK	SA	A	SYS	O/C	M-138-1	C5	CC CO	RR RR		RJ-02 RJ-02	
Valve Name K SRV Downcomer Vacuum Bkr Valve															
2B21-F037K2	3	C	6	CK	SA	A	SYS	O/C	M-138-1	C5	CC CO	RR RR		RJ-02 RJ-02	
Valve Name K SRV Downcomer Vacuum Bkr Valve															
2B21-F037L1	3	C	6	CK	SA	A	SYS	O/C	M-138-1	C5	CC CO	RR RR		RJ-02 RJ-02	
Valve Name L SRV Downcomer Vacuum Bkr Valve															
2B21-F037L2	3	C	6	CK	SA	A	SYS	O/C	M-138-1	C5	CC CO	RR RR		RJ-02 RJ-02	
Valve Name L SRV Downcomer Vacuum Bkr Valve															
2B21-F037M1	3	C	6	CK	SA	A	SYS	O/C	M-138-1	C6	CC CO	RR RR		RJ-02 RJ-02	
Valve Name M SRV Downcomer Vacuum Bkr Valve															
2B21-F037M2	3	C	6	CK	SA	A	SYS	O/C	M-138-1	C6	CC CO	RR RR		RJ-02 RJ-02	
Valve Name M SRV Downcomer Vacuum Bkr Valve															

Revision Date: 08/17/01

LaSalle Station  
IST PROGRAM PLAN

Main Steam (Page 13)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2B21-F037P1	3	C	6	CK	SA	A	SYS	O/C	M-138-1	C5	CC CO	RR RR		RJ-02 RJ-02	
Valve Name P SRV Downcomer Vacuum Bkr Valve															
2B21-F037P2	3	C	6	CK	SA	A	SYS	O/C	M-138-1	C5	CC CO	RR RR		RJ-02 RJ-02	
Valve Name P SRV Downcomer Vacuum Bkr Valve															
2B21-F037R1	3	C	6	CK	SA	A	SYS	O/C	M-138-1	C5	CC CO	RR RR		RJ-02 RJ-02	
Valve Name R SRV Downcomer Vacuum Bkr Valve															
2B21-F037R2	3	C	6	CK	SA	A	SYS	O/C	M-138-1	C5	CC CO	RR RR		RJ-02 RJ-02	
Valve Name R SRV Downcomer Vacuum Bkr Valve															
2B21-F037S1	3	C	6	CK	SA	A	SYS	O/C	M-138-1	C5	CC CO	RR RR		RJ-02 RJ-02	
Valve Name S SRV Downcomer Vacuum Bkr Valve															
2B21-F037S2	3	C	6	CK	SA	A	SYS	O/C	M-138-1	C5	CC CO	RR RR		RJ-02 RJ-02	
Valve Name S SRV Downcomer Vacuum Bkr Valve															
2B21-F037U1	3	C	6	CK	SA	A	SYS	O/C	M-138-1	C6	CC CO	RR RR		RJ-02 RJ-02	
Valve Name U SRV Downcomer Vacuum Bkr Valve															
2B21-F037U2	3	C	6	CK	SA	A	SYS	O/C	M-138-1	C6	CC CO	RR RR		RJ-02 RJ-02	
Valve Name U SRV Downcomer Vacuum Bkr Valve															
2B21-F037V1	3	C	6	CK	SA	A	SYS	O/C	M-138-1	C5	CC CO	RR RR		RJ-02 RJ-02	
Valve Name V SRV Downcomer Vacuum Bkr Valve															
2B21-F037V2	3	C	6	CK	SA	A	SYS	O/C	M-138-1	C5	CC CO	RR RR		RJ-02 RJ-02	
Valve Name V SRV Downcomer Vacuum Bkr Valve															
2B21-F067A	1	A	1.5	GA	MO	A	O	C	M-116-7	E6	LT PI SC	AJ Y2 M3			TP-04
Valve Name A Otbd MSIV Below Seat Drain Valve															
2B21-F067B	1	A	1.5	GA	MO	A	O	C	M-116-7	E5	LT PI SC	AJ Y2 M3			TP-04
Valve Name B Otbd MSIV Below Seat Drain Valve															

Revision Date: 08/17/01



Main Steam (Page 14)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2B21-F067C	1	A	1.5	GA	MO	A	O	C	M-116-7	E7	LT PI SC	AJ Y2 M3			TP-04
Valve Name C Otbd MSIV Below Seat Drain Valve															
2B21-F067D	1	A	1.5	GA	MO	A	O	C	M-116-7	E6	LT PI SC	AJ Y2 M3			TP-04
Valve Name D Otbd MSIV Below Seat Drain Valve															
2B21-F070	NS	N/A	3	GL	MO	N/A	C	N/A	M-116-7	B2	PI SC SO	Y2 RR RR		RJ-23 RJ-23	
Valve Name Main Steamline Drain Upstr. Orifice Bypass Valve															
2B21-F071	NS	N/A	1	GL	MO	N/A	O	N/A	M-116-7	B2	PI SC SO	Y2 RR RR		RJ-23 RJ-23	
Valve Name Main Steamline Drain Upstr. Orifice Inlet Valve															
2B21-F072	NS	N/A	3	GL	MO	N/A	C	N/A	M-116-7	C2	PI SC SO	Y2 RR RR		RJ-23 RJ-23	
Valve Name Main Steamline Drain Dwnst. Orifice Bypass Valve															
2B21-F073	NS	N/A	1	GL	MO	N/A	O	N/A	M-116-7	C2	PI SC SO	Y2 RR RR		RJ-23 RJ-23	
Valve Name Main Steamline Drain Dwnst. Orifice Inlet Valve															
2B21-F325A	2	AC	0.75	XFC	SA	A	SYS	C	M-2116-4	-	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name A MS Line Hi Flow D/P Inst 2E31-N008A/N008B Hi Exc															
2B21-F325B	2	AC	0.75	XFC	SA	A	SYS	C	M-2116-5	-	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name B MS Hi Line Flow D/P Inst 2E31-N009A/N009B Hi Exc															
2B21-F325C	2	AC	0.75	XFC	SA	A	SYS	C	M-2116-6	-	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name C MS Line Hi Flow D/P Sw 2E31-N010A/N010B Hi EFV															

Main Steam (Page 15)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2B21-F325D	2	AC	0.75	XFC	SA	A	SYS	C	M-2116-7	-	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name D MS Line Hi Flow D/P Sw 2E31-N011A/N011B Hi EFV															
2B21-F326A	2	AC	0.75	XFC	SA	A	SYS	C	M-2116-4	-	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name A MS Line Hi Flow D/P Inst 2E31-N008A/N008B Lo Exc															
2B21-F326B	2	AC	0.75	XFC	SA	A	SYS	C	M-2116-5	-	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name B MS Hi Line Flow D/P Inst 2E31-N009A/N009B Lo Exc															
2B21-F326C	2	AC	0.75	XFC	SA	A	SYS	C	M-2116-6	-	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name C MS Line Hi Flow D/P Sw 2E31-N010A/N010B Lo EFV															
2B21-F326D	2	AC	0.75	XFC	SA	A	SYS	C	M-2116-7	-	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name D MS Line Hi Flow D/P Sw 2E31-N011A/N011B Lo EFV															
2B21-F327A	2	AC	0.75	XFC	SA	A	SYS	C	M-2116-4	-	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name A MS Line Hi Flow D/P Sw 2E31-N008D/N008C Lo EFV															
2B21-F327B	2	AC	0.75	XFC	SA	A	SYS	C	M-2116-5	-	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name B MS Line Hi Flow D/P Sw 2E31-N009D/N009C Lo EFV															
2B21-F327C	2	AC	0.75	XFC	SA	A	SYS	C	M-2116-6	-	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name C MS Line Hi Flow D/P Inst 2E31-N010C/N010D Lo Exc															

Revision Date: 08/17/01

LaSalle Station  
IST PROGRAM PLAN

Main Steam (Page 16)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2B21-F327D	2	AC	0.75	XFC	SA	A	SYS	C	M-2116-7	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name D MS Line Hi Flow D/P Inst 2E31-N011C/N011D Lo Exc															
2B21-F328A	2	AC	0.75	XFC	SA	A	SYS	C	M-2116-4	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name A MS Line Hi Flow D/P Sw 2E31-N008D/N008C Hi EFV															
2B21-F328B	2	AC	0.75	XFC	SA	A	SYS	C	M-2116-5	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name B MS Line Hi Flow D/P Sw 2E31-N009D/N009C Hi EFV															
2B21-F328C	2	AC	0.75	XFC	SA	A	SYS	C	M-2116-6	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name C MS Line Hi Flow D/P Inst 2E31-N010C/N010D Hi Exc															
2B21-F328D	2	AC	0.75	XFC	SA	A	SYS	C	M-2116-7	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name D MS Line Hi Flow D/P Inst 2E31-N011C/N011D Hi Exc															
2B21-F418A	NS	N/A	18	GA	MO	N/A	O	N/A	M-116-3	B7	PI	Y2			
											SC	RR		RJ-23	
											SO	RR		RJ-23	
Valve Name Main Steam Aux Supply Stop Valve															
2B21-F418B	NS	N/A	18	GA	MO	N/A	O	N/A	M-116-3	F6	PI	Y2			
											SC	RR		RJ-23	
											SO	RR		RJ-23	
Valve Name Main Steam Aux Supply Stop Valve															

Revision Date: 08/17/01

LaSalle Station  
IST PROGRAM PLAN

Nuclear Boiler (Page 1)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1B21-F001	1	B	2	GL	MO	P	C	C	M-93-4	E2	PI	Y2			
Valve Name Reactor Head Vent Upstream Valve															
1B21-F002	1	B	2	GL	MO	P	C	C	M-93-4	E2	PI	Y2			
Valve Name Reactor Head Vent Downstream Valve															
1B21-F344	2	AC	0.75	XFC	SA	A	SYS	C	M-93-3	B3	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name Jet Pump Developed Head D/p Ind 1B21-R005 EFV															
1B21-F346	2	AC	0.75	XFC	SA	A	SYS	C	M-93-3	B6	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name RPV Bottom Head Drain Flow EFV															
1B21-F348	2	AC	0.75	XFC	SA	A	SYS	C	M-93-3	A6	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name HPCS Rx Vsl Hi D/p E22-N009 EFV															
1B21-F350	2	AC	0.75	XFC	SA	A	SYS	C	M-93-3	A6	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name Rx Core D/p Xmtr B21-N032 EFV															
1B21-F353	2	AC	0.75	XFC	SA	A	SYS	C	M-93-4	A5	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name Rx Vsl Low Water Lvl Xmtr Inst EFV															
1B21-F355	2	AC	0.75	XFC	SA	A	SYS	C	M-93-4	B5	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name Rx Vsl Water Level Inst EFV															
1B21-F357	2	AC	0.75	XFC	SA	A	SYS	C	M-93-4	D5	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name Rx Water Lvl 2 HPCS Init Xmtr Inst EFV															

Revision Date: 08/17/01

LaSalle Station  
IST PROGRAM PLAN

Nuclear Boiler (Page 2)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1B21-F359	2	AC	0.75	XFC	SA	A	SYS	C	M-93-4	C5	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name Rx Hi Press Alarm/trip Press SW Inst EFV															
1B21-F361	2	AC	0.75	XFC	SA	A	SYS	C	M-93-4	D5	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name Rx Press/water Level Xmtr Inst EFV															
1B21-F363	2	AC	0.75	XFC	SA	A	SYS	C	M-93-4	C5	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name Rx Wtr Level Xmtr Inst EFV															
1B21-F365	2	AC	0.75	XFC	SA	A	SYS	C	M-93-4	E5	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name Drywell Hi Press Alarm/intlk SW EFV															
1B21-F367	2	AC	0.75	XFC	SA	A	SYS	C	M-93-4	A5	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name Drywell Hi Press Alarm/intlk SW EFV															
1B21-F370	2	AC	0.75	XFC	SA	A	SYS	C	M-93-5	B6	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name Rx Wtr Level 2 HPCS Init Inst Xmtr EFV															
1B21-F372	2	AC	0.75	XFC	SA	A	SYS	C	M-93-5	C6	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name Rx Vsl Water Level Xmtr Inst EFV															
1B21-F374	2	AC	0.75	XFC	SA	A	SYS	C	M-93-5	D6	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name Rx Water Level 1 RHR/LPCS/ADS Init Inst EFV															

Revision Date: 08/17/01

Nuclear Boiler (Page 3)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1B21-F376	2	AC	0.75	XFC	SA	A	SYS	C	M-93-5	B6	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Rx Water Level /Rx Alarm/trip Press Inst EFV															
1B21-F378	2	AC	0.75	XFC	SA	A	SYS	C	M-93-5	E6	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Rx Water Level /Rx Alarm/trip Press Inst EFV															
1B21-F380	2	AC	0.75	XFC	SA	A	SYS	C	M-93-5	A6	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Drywell Hi Press Inst Line EFV															
1B21-F382	2	AC	0.75	XFC	SA	A	SYS	C	M-93-5	F6	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Dw Hi Press Recirc Press SB B33-N036A EFV															
1B21-F437	2	AC	0.75	XFC	SA	A	SYS	C	M-93-3	E3	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Rx Core Jet Pmp 1 Flow Xmtr B21-N034A Hi EFV															
1B21-F439	2	AC	0.75	XFC	SA	A	SYS	C	M-93-3	E3	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Rx Core Jet Pmp 2 Flow Xmtr B21-N034C Hi EFV															
1B21-F441	2	AC	0.75	XFC	SA	A	SYS	C	M-93-3	D3	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Jet Pump Flow EFV															
1B21-F443	2	AC	0.75	XFC	SA	A	SYS	C	M-93-3	D3	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Jet Pump Flow EFV															

LaSalle Station  
IST PROGRAM PLAN

Nuclear Boiler (Page 4)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1B21-F445A	2	AC	0.75	XFC	SA	A	SYS	C	M-93-3	D3	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Rx Jet Pmp 5 Flow Xmtr B21-N034J/N033A Hi EFV															
1B21-F445B	2	AC	0.75	XFC	SA	A	SYS	C	M-93-3	D3	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Rx Jet Pmp Flow/Wtr Lvl B21-N033A/N044A EFV															
1B21-F447	2	AC	0.75	XFC	SA	A	SYS	C	M-93-3	C3	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Rx Core Jet Pmp 6 Flow Xmtr B21-N034L Hi EFV															
1B21-F449	2	AC	0.75	XFC	SA	A	SYS	C	M-93-3	C3	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Rx Core Jet Pmp 7 Flow Xmtr B21-N034N Hi EFV															
1B21-F451	2	AC	0.75	XFC	SA	A	SYS	C	M-93-3	C3	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Rx Core Jet Pmp 8 Flow Xmtr B21-N034R Hi EFV															
1B21-F453	2	AC	0.75	XFC	SA	A	SYS	C	M-93-3	C3	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Rx Core Jet Pmp 9 Flow Xmtr B21-N034T Hi EFV															
1B21-F455A	2	AC	0.75	XFC	SA	A	SYS	C	M-93-3	B3	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Rx Jet Pmp 5 Flow Xmtr B21-N033C/N034V Hi EFV															
1B21-F455B	2	AC	0.75	XFC	SA	A	SYS	C	M-93-3	B3	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Rx Jet Pmp 10 Flow Xmtr B21-N033C Lo EFV															

Revision Date: 08/17/01

LaSalle Station  
IST PROGRAM PLAN

Nuclear Boiler (Page 5)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1B21-F457	2	AC	0.75	XFC	SA	A	SYS	C	M-93-3	E6	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Rx Core Jet Pmp 11 Flow Xmtr B21-N034B Hi EFV															
1B21-F459	2	AC	0.75	XFC	SA	A	SYS	C	M-93-3	E6	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Rx Core Jet Pmp 12 Flow Xmtr B21-N034D Hi EFV															
1B21-F461	2	AC	0.75	XFC	SA	A	SYS	C	M-93-3	D6	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Rx Core Jet Pmp 13 Flow Xmtr B21-N034F Hi EFV															
1B21-F463	2	AC	0.75	XFC	SA	A	SYS	C	M-93-3	D6	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Rx Core Jet Pmp 14 Flow Xmtr B21-N034H Hi EFV															
1B21-F465A	2	AC	0.75	XFC	SA	A	SYS	C	M-93-3	D6	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Rx Core Jet Pmp 15 Flow Xmtr B21-N034K/N033B Hi EFV															
1B21-F465B	2	AC	0.75	XFC	SA	A	SYS	C	M-93-3	D6	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Rx Jet Pmp Flow/Wtr Lvl B21-N033B/N044B EFV															
1B21-F467	2	AC	0.75	XFC	SA	A	SYS	C	M-93-3	C6	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Rx Core Jet Pmp 16 Flow Xmtr B21-N034M Hi EFV															
1B21-F469	2	AC	0.75	XFC	SA	A	SYS	C	M-93-3	C6	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Rx Core Jet Pmp 17 Flow Xmtr B21-N034P Hi EFV															

Revision Date: 08/17/01



LaSalle Station  
IST PROGRAM PLAN

Nuclear Boiler (Page 6)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1B21-F471	2	AC	0.75	XFC	SA	A	SYS	C	M-93-3	C6	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Rx Core Jet Pmp 18 Flow Xmtr B21-N034S Hi EFV															
1B21-F473	2	AC	0.75	XFC	SA	A	SYS	C	M-93-3	C6	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Rx Core Jet Pmp 19 Flow Xmtr B21-N034U Hi EFV															
1B21-F475A	2	AC	0.75	XFC	SA	A	SYS	C	M-93-3	B6	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Rx Core Jet Pmp 20 Flow Xmtr B21-N034W/N033D EFV															
1B21-F475B	2	AC	0.75	XFC	SA	A	SYS	C	M-93-3	B6	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Rx Jet Pmp 20 Calibrated Flow Xmtr B21-N033D EFV															
1B21-F570	2	AC	0.75	XFC	SA	A	SYS	C	M-93-4	C5	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Reactor Water Level Xmtr Inst EFV															
1B21-F571	2	AC	0.75	XFC	SA	A	SYS	C	M-93-5	E6	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Rx Wtr Lvl Xmtr B21-N026E/N026CA Inst EFV															
2B21-F001	1	B	2	GL	MO	P	C	C	M-139-4	E2	PI	Y2			
Valve Name Reactor Head Vent Upstream Valve															
2B21-F002	1	B	2	GL	MO	P	C	C	M-139-4	E2	PI	Y2			
Valve Name Reactor Head Vent Downstream Valve															
2B21-F344	2	AC	0.75	XFC	SA	A	SYS	C	M-139-3	B3	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Jet Pump Developed Head D/p Ind 2B21-R005 EFV															

Revision Date: 08/17/01

Nuclear Boiler (Page 7)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2B21-F346	2	AC	0.75	XFC	SA	A	SYS	C	M-139-3	B6	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name RPV Bottom Head Drain Flow EFV															
2B21-F348	2	AC	0.75	XFC	SA	A	SYS	C	M-139-3	A6	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name HPCS Rx Vsl Hi D/p E22-N009 EFV															
2B21-F350	2	AC	0.75	XFC	SA	A	SYS	C	M-139-3	A6	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Rx Core D/p Xmtr B21-N032 EFV															
2B21-F353	2	AC	0.75	XFC	SA	A	SYS	C	M-139-4	A5	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Rx Vsl Low Water Lvl Xmtr Inst EFV															
2B21-F355	2	AC	0.75	XFC	SA	A	SYS	C	M-139-4	B5	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Rx Vsl Water Level Inst EFV															
2B21-F357	2	AC	0.75	XFC	SA	A	SYS	C	M-139-4	D5	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Rx Water Lvl 2 HPCS Init Xmtr Inst EFV															
2B21-F359	2	AC	0.75	XFC	SA	A	SYS	C	M-139-4	C5	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Rx Hi Press Alarm/trip Press SW Inst EFV															
2B21-F361	2	AC	0.75	XFC	SA	A	SYS	C	M-139-4	D5	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Rx Press/water Level Xmtr Inst EFV															

Revision Date: 08/17/01

Nuclear Boiler (Page 8)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2B21-F363	2	AC	0.75	XFC	SA	A	SYS	C	M-139-4	C5	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name Rx Wtr Level Xmtr Inst EFV															
2B21-F365	2	AC	0.75	XFC	SA	A	SYS	C	M-139-4	E5	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name Drywell Hi Press Alarm/vintlk SW EFV															
2B21-F367	2	AC	0.75	XFC	SA	A	SYS	C	M-139-4	A5	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name Drywell Hi Press Alarm/vintlk SW EFV															
2B21-F370	2	AC	0.75	XFC	SA	A	SYS	C	M-139-5	B6	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name Rx Wtr Level 2 HPCS Init Inst Xmtr EFV															
2B21-F372	2	AC	0.75	XFC	SA	A	SYS	C	M-139-5	C6	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name Rx Vsl Water Level Xmtr Inst EFV															
2B21-F374	2	AC	0.75	XFC	SA	A	SYS	C	M-139-5	D6	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name Rx Water Level 1 RHR/LPCS/ADS Init Inst EFV															
2B21-F376	2	AC	0.75	XFC	SA	A	SYS	C	M-139-5	B6	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name Rx Water Level /Rx Alarm/trip Press Inst EFV															
2B21-F378	2	AC	0.75	XFC	SA	A	SYS	C	M-139-5	E6	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name Rx Water Level /Rx Alarm/trip Press Inst EFV															

Nuclear Boiler (Page 9)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2B21-F380	2	AC	0.75	XFC	SA	A	SYS	C	M-139-5	A6	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name Drywell Hi Press Inst Line EFV															
2B21-F382	2	AC	0.75	XFC	SA	A	SYS	C	M-139-5	F6	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name Dw Hi Press Recirc Press SW B33-N036A EFV															
2B21-F437	2	AC	0.75	XFC	SA	A	SYS	C	M-139-3	E3	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name Rx Core Jet Pmp 1 Flow Xmr B21-N034A Hi EFV															
2B21-F439	2	AC	0.75	XFC	SA	A	SYS	C	M-139-3	E3	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name Rx Core Jet Pmp 2 Flow Xmr B21-N034C Hi EFV															
2B21-F441	2	AC	0.75	XFC	SA	A	SYS	C	M-139-3	D3	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name Jet Pump Flow EFV															
2B21-F443	2	AC	0.75	XFC	SA	A	SYS	C	M-139-3	D3	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name Jet Pump Flow EFV															
2B21-F445A	2	AC	0.75	XFC	SA	A	SYS	C	M-139-3	D3	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name Rx Jet Pmp 5 Flow Xmr B21-N034J/N033A Hi EFV															
2B21-F445B	2	AC	0.75	XFC	SA	A	SYS	C	M-139-3	D3	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name Rx Jet Pmp Flow/Wtr Lvl B21-N033A/N044A EFV															

Nuclear Boiler (Page 10)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2B21-F447	2	AC	0.75	XFC	SA	A	SYS	C	M-139-3	C3	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name Rx Core Jet Pmp 6 Flow Xmtr B21-N034L Hi EFV															
2B21-F449	2	AC	0.75	XFC	SA	A	SYS	C	M-139-3	C3	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name Rx Core Jet Pmp 7 Flow Xmtr B21-N034N Hi EFV															
2B21-F451	2	AC	0.75	XFC	SA	A	SYS	C	M-139-3	C3	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name Rx Core Jet Pmp 8 Flow Xmtr B21-N034R Hi EFV															
2B21-F453	2	AC	0.75	XFC	SA	A	SYS	C	M-139-3	C3	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name Rx Core Jet Pmp 9 Flow Xmtr B21-N034T Hi EFV															
2B21-F455A	2	AC	0.75	XFC	SA	A	SYS	C	M-139-3	B3	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name Rx Jet Pmp 5 Flow Xmtr B21-N033C/N034V Hi EFV															
2B21-F455B	2	AC	0.75	XFC	SA	A	SYS	C	M-139-3	B3	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name Rx Jet Pmp 10 Flow Xmtr B21-N033C Lo EFV															
2B21-F457	2	AC	0.75	XFC	SA	A	SYS	C	M-139-3	E6	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name Rx Core Jet Pmp 11 Flow Xmtr B21-N034B Hi EFV															
2B21-F459	2	AC	0.75	XFC	SA	A	SYS	C	M-139-3	E6	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name Rx Core Jet Pmp 12 Flow Xmtr B21-N034D Hi EFV															

Revision Date: 08/17/01

LaSalle Station  
IST PROGRAM PLAN

Nuclear Boiler (Page 11)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2B21-F461	2	AC	0.75	XFC	SA	A	SYS	C	M-139-3	D6	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Rx Core Jet Pmp 13 Flow Xmtr B21-N034F Hi EFV															
2B21-F463	2	AC	0.75	XFC	SA	A	SYS	C	M-139-3	D6	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Rx Core Jet Pmp 14 Flow Xmtr B21-N034H Hi EFV															
2B21-F465A	2	AC	0.75	XFC	SA	A	SYS	C	M-139-3	D6	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Rx Core Jet Pmp 15 Flow Xmtr B21-N034K/N033B Hi EFV															
2B21-F465B	2	AC	0.75	XFC	SA	A	SYS	C	M-139-3	D6	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Rx Jet Pmp Flow/Wtr Lvl B21-N033B/N044B EFV															
2B21-F467	2	AC	0.75	XFC	SA	A	SYS	C	M-139-3	C6	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Rx Core Jet Pmp 16 Flow Xmtr B21-N034M Hi EFV															
2B21-F469	2	AC	0.75	XFC	SA	A	SYS	C	M-139-3	C6	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Rx Core Jet Pmp 17 Flow Xmtr B21-N034P Hi EFV															
2B21-F471	2	AC	0.75	XFC	SA	A	SYS	C	M-139-3	C6	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Rx Core Jet Pmp 18 Flow Xmtr B21-N034S Hi EFV															
2B21-F473	2	AC	0.75	XFC	SA	A	SYS	C	M-139-3	C6	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Rx Core Jet Pmp 19 Flow Xmtr B21-N034U Hi EFV															

Revision Date: 08/17/01

LaSalle Station  
IST PROGRAM PLAN

Nuclear Boiler (Page 12)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2B21-F475A	2	AC	0.75	XFC	SA	A	SYS	C	M-139-3	B6	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Rx Core Jet Pmp 20 Flow Xmtr B21-N034W/N033D EFV															
2B21-F475B	2	AC	0.75	XFC	SA	A	SYS	C	M-139-3	B6	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Rx Jet Pmp 20 Calibrated Flow Xmtr B21-N033D EFV															
2B21-F570	2	AC	0.75	XFC	SA	A	SYS	C	M-139-4	C5	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Reactor Water Level Xmtr Inst EFV															
2B21-F571	2	AC	0.75	XFC	SA	A	SYS	C	M-139-5	E6	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name Rx Wtr Lvl Xmtr B21-N026E/N026CA Inst EFV															

Neutron Monitoring (Page 1)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1C51-J004A(BAL)	NC	A	0.375	BAL	SO	A	C	C	M-774-01	E6	FC	M3			TP-04
											LT	AJ			
											PI	Y2			
											SC	M3			
Valve Name A TIP Drive Guide Tube Valve Assembly															
1C51-J004A(SHR)	NC	D	0.375	SHR	EXP	A	O	C	M-774-01	E6	DT	S2			
Valve Name A TIP Drive Guide Tube Valve Assembly															
1C51-J004B(BAL)	NC	A	0.375	BAL	SO	A	C	C	M-774-01	D6	FC	M3			TP-04
											LT	AJ			
											PI	Y2			
											SC	M3			
Valve Name B TIP Drive Guide Tube Valve Assembly															
1C51-J004B(SHR)	NC	D	0.375	SHR	EXP	A	O	C	M-774-01	D6	DT	S2			
Valve Name B TIP Drive Guide Tube Valve Assembly															
1C51-J004C(BAL)	NC	A	0.375	BAL	SO	A	C	C	M-774-01	C6	FC	M3			TP-04
											LT	AJ			
											PI	Y2			
											SC	M3			
Valve Name C TIP Drive Guide Tube Valve Assembly															
1C51-J004C(SHR)	NC	D	0.375	SHR	EXP	A	O	C	M-774-01	C6	DT	S2			
Valve Name C TIP Drive Guide Tube Valve Assembly															
1C51-J004D(BAL)	NC	A	0.375	BAL	SO	A	C	C	M-774-01	D6	FC	M3			TP-04
											LT	AJ			
											PI	Y2			
											SC	M3			
Valve Name D TIP Drive Guide Tube Valve Assembly															
1C51-J004D(SHR)	NC	D	0.375	SHR	EXP	A	O	C	M-774-01	D6	DT	S2			
Valve Name D TIP Drive Guide Tube Valve Assembly															
1C51-J004E(BAL)	NC	A	0.375	BAL	SO	A	C	C	M-774-01	D6	FC	M3			TP-04
											LT	AJ			
											PI	Y2			
											SC	M3			
Valve Name E TIP Drive Guide Tube Valve Assembly															
1C51-J004E(SHR)	NC	D	0.375	SHR	EXP	A	O	C	M-774-01	D6	DT	S2			
Valve Name E TIP Drive Guide Tube Valve Assembly															



Neutron Monitoring (Page 2)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2C51-J004A(BAL)	NC	A	0.375	BAL	SO	A	C	C	M-774-04	D6	FC	M3			TP-04
											LT	AJ			
											PI	Y2			
											SC	M3			

Valve Name A TIP Drive Guide Tube Valve Assembly

2C51-J004A(SHR)	NC	D	0.375	SHR	EXP	A	O	C	M-774-04	D6	DT	S2			
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Valve Name A TIP Drive Guide Tube Valve Assembly

2C51-J004B(BAL)	NC	A	0.375	BAL	SO	A	C	C	M-774-04	D6	FC	M3			TP-04
											LT	AJ			
											PI	Y2			
											SC	M3			

Valve Name B TIP Drive Guide Tube Valve Assembly

2C51-J004B(SHR)	NC	D	0.375	SHR	EXP	A	O	C	M-774-04	D6	DT	S2			
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Valve Name B TIP Drive Guide Tube Valve Assembly

2C51-J004C(BAL)	NC	A	0.375	BAL	SO	A	C	C	M-774-04	C6	FC	M3			TP-04
											LT	AJ			
											PI	Y2			
											SC	M3			

Valve Name C TIP Drive Guide Tube Valve Assembly

2C51-J004C(SHR)	NC	D	0.375	SHR	EXP	A	O	C	M-774-04	C6	DT	S2			
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Valve Name C TIP Drive Guide Tube Valve Assembly

2C51-J004D(BAL)	NC	A	0.375	BAL	SO	A	C	C	M-774-04	C6	FC	M3			TP-04
											LT	AJ			
											PI	Y2			
											SC	M3			

Valve Name D TIP Drive Guide Tube Valve Assembly

2C51-J004D(SHR)	NC	D	0.375	SHR	EXP	A	O	C	M-774-04	C6	DT	S2			
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Valve Name D TIP Drive Guide Tube Valve Assembly

2C51-J004E(BAL)	NC	A	0.375	BAL	SO	A	C	C	M-774-04	D6	FC	M3			TP-04
											LT	AJ			
											PI	Y2			
											SC	M3			

Valve Name E TIP Drive Guide Tube Valve Assembly

2C51-J004E(SHR)	NC	D	0.375	SHR	EXP	A	O	C	M-774-04	D6	DT	S2			
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Valve Name E TIP Drive Guide Tube Valve Assembly

LaSalle Station  
IST PROGRAM PLAN

Primary Containment (Page 1)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1PC001A	2	AC	24	CK	SA	A	C	O/C	M-92-2	D6	CC	M3			
											CO	M3			
											LT	Y2			
											PI	Y2			
											RT	Y2	RV-05		

Valve Name A Primary Containment Vacuum Breaker

1PC001B	2	AC	24	CK	SA	A	C	O/C	M-92-2	D6	CC	M3			
											CO	M3			
											LT	Y2			
											PI	Y2			
											RT	Y2	RV-05		

Valve Name B Primary Containment Vacuum Breaker

1PC001C	2	AC	24	CK	SA	A	C	O/C	M-92-2	D3	CC	M3			
											CO	M3			
											LT	Y2			
											PI	Y2			
											RT	Y2	RV-05		

Valve Name C Primary Containment Vacuum Breaker

1PC001D	2	AC	24	CK	SA	A	C	O/C	M-92-2	D3	CC	M3			
											CO	M3			
											LT	Y2			
											PI	Y2			
											RT	Y2	RV-05		

Valve Name D Primary Containment Vacuum Breaker

2PC001A	2	AC	24	CK	SA	A	C	O/C	M-138-2	D6	CC	M3			
											CO	M3			
											LT	Y2			
											PI	Y2			
											RT	Y2	RV-05		

Valve Name A Primary Containment Vacuum Breaker

2PC001B	2	AC	24	CK	SA	A	C	O/C	M-138-2	D6	CC	M3			
											CO	M3			
											LT	Y2			
											PI	Y2			
											RT	Y2	RV-05		

Valve Name B Primary Containment Vacuum Breaker

Revision Date: 08/17/01

LaSalle Station  
IST PROGRAM PLAN

Primary Containment (Page 2)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2PC001C	2	AC	24	CK	SA	A	C	O/C	M-138-2	D3	CC	M3			
											CO	M3			
											LT	Y2			
											PI	Y2			
											RT	Y2	RV-05		

Valve Name C Primary Containment Vacuum Breaker

2PC001D	2	AC	24	CK	SA	A	C	O/C	M-138-2	D3	CC	M3			
											CO	M3			
											LT	Y2			
											PI	Y2			
											RT	Y2	RV-05		

Valve Name D Primary Containment Vacuum Breaker

Revision Date: 08/17/01

LaSalle Station  
IST PROGRAM PLAN

Control Rod Drive (Page 1)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1C11-D001-114	2	C	0.75	CK	SA	A	SYS	O	M-100-3	E3	CO	RR		RJ-21	EXE00-04
Valve Name CRD HCU Scram Discharge Check Valve (Typ 185)															
1C11-D001-115	NC	C	0.5	CK	SA	A	SYS	C	M-100-3	D7	CC	CS		CS-27	EXE00-04
Valve Name CRD HCU Charging Water Check Valve (Typ 185)															
1C11-D001-117	NC	B	0.50	3W	SO	A	E	D	M-100-3	F3	FD	RR		RJ-10	EXE00-04
Valve Name CRD HCU Scram Pilot Valve (Typ 185)															
1C11-D001-118	NC	B	0.50	3W	SO	A	E	D	M-100-3	F3	FD	RR		RJ-10	EXE00-04
Valve Name CRD HCU Scram Pilot Valve (Typ 185)															
1C11-D001-126	NC	B	1	GA	AO	A	C	O	M-100-3	D6	FO	RR		RJ-10	EXE00-04
Valve Name CRD HCU Scram Inlet Valve (Typ 185)															
1C11-D001-127	NC	B	1	GA	AO	A	C	O	M-100-3	E3	FO	RR		RJ-10	EXE00-04
Valve Name CRD HCU Scram Outlet Valve (Typ 185)															
1C11-D001-137	NC	C	0.5	CK	SA	A	SYS	C	M-100-3	D5	CC	M3			EXE00-04
Valve Name CRD HCU Drive Water Check Valve (Typ 185)															
1C11-D001-138	NC	C	0.5	CK	SA	A	SYS	C	M-100-3	D6	CC	M3			TP-06
Valve Name CRD HCU Cooling Water Check Valve (Typ 185)															
1C11-F380	2	B	2	GL	AO	A	O	C	M-100-2	D3	FC	M3			
Valve Name Scram Dsch Volume Hdr Dwnst Vent Valve															
1C11-F381	NC	B	2	GL	AO	A	O	C	M-100-4	B1	FC	M3			
Valve Name Scram Dsch Volume Hdr Dwnst Drain Valve															
1C11-F388	2	B	2	GL	AO	A	O	C	M-100-2	D3	FC	M3			
Valve Name Scram Dsch Volume Hdr Upstrm Vent Valve															
1C11-F389	NC	B	2	GL	AO	A	O	C	M-100-4	B1	FC	M3			
Valve Name Scram Dsch Volume Hdr Upstrm Drain Valve															

Revision Date: 08/17/01

LaSalle Station  
IST PROGRAM PLAN

Control Rod Drive (Page 2)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1C11-F422B	2	AC	0.375	CK	SA	A	SYS	C	M-100-5	B4	CC CO LT	RR RR AJ		RJ-14 RJ-14	TP-04
Valve Name Reactor Vsl Ref Leg CRD Backfill Pnl-3 Upstrm EFV															
1C11-F422D	2	AC	0.375	CK	SA	A	SYS	C	M-100-5	E8	CC CO LT	RR RR AJ		RJ-14 RJ-14	TP-04
Valve Name Reactor Vsl Ref Leg CRD Backfill Pnl-2 Upstrm EFV															
1C11-F422F	2	AC	0.375	CK	SA	A	SYS	C	M-100-5	E4	CC CO LT	RR RR AJ		RJ-14 RJ-14	TP-04
Valve Name Reactor Vsl Ref Leg CRD Backfill Pnl-5 Upstrm EFV															
1C11-F422G	2	AC	0.375	CK	SA	A	SYS	C	M-100-5	E2	CC CO LT	RR RR AJ		RJ-14 RJ-14	TP-04
Valve Name Reactor Vsl Ref Leg CRD Backfill Pnl-4 Upstrm EFV															
1C11-F423B	2	AC	0.375	CK	SA	A	SYS	C	M-100-5	B4	CC CO LT	RR RR AJ		RJ-14 RJ-14	TP-04
Valve Name Reactor Vsl Ref Leg CRD Backfill Pnl-3 Dwnst EFV															
1C11-F423D	2	AC	0.375	CK	SA	A	SYS	C	M-100-5	E8	CC CO LT	RR RR AJ		RJ-14 RJ-14	TP-04
Valve Name Reactor Vsl Ref Leg CRD Backfill Pnl-2 Dwnst EFV															
1C11-F423F	2	AC	0.375	CK	SA	A	SYS	C	M-100-5	E4	CC CO LT	RR RR AJ		RJ-14 RJ-14	TP-04
Valve Name Reactor Vsl Ref Leg CRD Backfill Pnl-5 Dwnst EFV															
1C11-F423G	2	AC	0.375	CK	SA	A	SYS	C	M-100-5	E2	CC CO LT	RR RR AJ		RJ-14 RJ-14	TP-04
Valve Name Reactor Vsl Ref Leg CRD Backfill Pnl-4 Dwnst EFV															
2C11-D001-114	2	C	0.75	CK	SA	A	SYS	O	M-146-3	E3	CO	RR		RJ-21	EXE00-04
Valve Name CRD HCU Scram Discharge Check Valve (Typ 185)															
2C11-D001-115	NC	C	0.5	CK	SA	A	SYS	C	M-146-3	D7	CC	CS		CS-27 R	EXE00-04
Valve Name CRD HCU Charging Water Check Valve (Typ 185)															
2C11-D001-117	NC	B	0.50	3W	SO	A	E	D	M-146-3	F3	FD SD	RR RR		RJ-10 RJ-10	EXE00-04 EXE00-04
Valve Name CRD HCU Scram Pilot Valve (Typ 185)															

Revision Date: 08/17/01

LaSalle Station  
IST PROGRAM PLAN

Control Rod Drive (Page 3)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2C11-D001-118	NC	B	0.50	3W	SO	A	E	D	M-146-3	F3	FD SD	RR RR		RJ-10 RJ-10	EXE00-04 EXE00-04
Valve Name CRD HCU Scram Pilot Valve (Typ 185)															
2C11-D001-126	NC	B	1	GA	AO	A	C	O	M-146-3	D6	FO SO	RR RR		RJ-10 RJ-10	EXE00-04 EXE00-04
Valve Name CRD HCU Scram Inlet Valve (Typ 185)															
2C11-D001-127	NC	B	1	GA	AO	A	C	O	M-146-3	E3	FO SO	RR RR		RJ-10 RJ-10	EXE00-04 EXE00-04
Valve Name CRD HCU Scram Outlet Valve (Typ 185)															
2C11-D001-137	NC	C	0.5	CK	SA	A	SYS	C	M-146-3	E5	CC	M3			EXE00-04
Valve Name CRD HCU Drive Water Check Valve (Typ 185)															
2C11-D001-138	NC	C	0.5	CK	SA	A	SYS	C	M-146-3	D6	CC	M3			TP-06
Valve Name CRD HCU Cooling Water Check Valve (Typ 185)															
2C11-F380	2	B	2	GL	AO	A	O	C	M-146-2	D3	FC PI SC	M3 Y2 M3			
Valve Name Scram Dsch Volume Hdr Dwnst Vent Valve															
2C11-F381	NC	B	2	GL	AO	A	O	C	M-146-4	B2	FC PI SC	M3 Y2 M3			
Valve Name Scram Dsch Volume Hdr Dwnst Drain Valve															
2C11-F388	2	B	2	GL	AO	A	O	C	M-146-2	D3	FC PI SC	M3 Y2 M3			
Valve Name Scram Dsch Volume Hdr Upstrm Vent Valve															
2C11-F389	NC	B	2	GL	AO	A	O	C	M-146-4	B2	FC PI SC	M3 Y2 M3			
Valve Name Scram Dsch Volume Hdr Upstrm Drain Valve															
2C11-F422B	2	AC	0.375	CK	SA	A	SYS	C	M-146-6	B4	CC CO LT	RR RR AJ		RJ-14 RJ-14	TP-04
Valve Name Reactor Vsl Ref Leg CRD Backfill Pnl-3 Upstrm EFV															
2C11-F422D	2	AC	0.375	CK	SA	A	SYS	C	M-146-6	E8	CC CO LT	RR RR AJ		RJ-14 RJ-14	TP-04
Valve Name Reactor Vsl Ref Leg CRD Backfill Pnl-2 Upstrm EFV															

Revision Date: 08/17/01

LaSalle Station  
IST PROGRAM PLAN

Control Rod Drive (Page 4)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2C11-F422F	2	AC	0.375	CK	SA	A	SYS	C	M-146-6	E4	CC CO LT	RR RR AJ		RJ-14 RJ-14	TP-04
Valve Name Reactor Vsl Ref Leg CRD Backfill Pnl-5 Upstrm EFV															
2C11-F422G	2	AC	0.375	CK	SA	A	SYS	C	M-146-6	E1	CC CO LT	RR RR AJ		RJ-14 RJ-14	TP-04
Valve Name Reactor Vsl Ref Leg CRD Backfill Pnl-4 Upstrm EFV															
2C11-F423B	2	AC	0.375	CK	SA	A	SYS	C	M-146-6	B4	CC CO LT	RR RR AJ		RJ-14 RJ-14	TP-04
Valve Name Reactor Vsl Ref Leg CRD Backfill Pnl-3 Dwnst EFV															
2C11-F423D	2	AC	0.375	CK	SA	A	SYS	C	M-146-6	E8	CC CO LT	RR RR AJ		RJ-14 RJ-14	TP-04
Valve Name Reactor Vsl Ref Leg CRD Backfill Pnl-2 Dwnst EFV															
2C11-F423F	2	AC	0.375	CK	SA	A	SYS	C	M-146-6	E4	CC CO LT	RR RR AJ		RJ-14 RJ-14	TP-04
Valve Name Reactor Vsl Ref Leg CRD Backfill Pnl-5 Dwnst EFV															
2C11-F423G	2	AC	0.375	CK	SA	A	SYS	C	M-146-6	E2	CC CO LT	RR RR AJ		RJ-14 RJ-14	TP-04
Valve Name Reactor Vsl Ref Leg CRD Backfill Pnl-4 Dwnst EFV															

Revision Date: 08/17/01

Reactor Building Equipment Drains & Floor Drains (Page 1)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1RE024	2	A	2	GL	AO	A	C	C	M-91-4	B4	FC LT PI SC	M3 AJ Y2 M3			TP-04
Valve Name DWEDS Pump Suct Hdr Upstrm Valve															
1RE025	2	A	2	GL	AO	A	C	C	M-91-4	C4	FC LT PI SC	M3 AJ Y2 M3			TP-04
Valve Name DWEDS Pump Suct Hdr Dwnst Valve															
1RE026	2	A	1	GL	AO	A	C	C	M-91-4	D5	FC LT PI SC	M3 AJ Y2 M3			TP-04
Valve Name DWEDS Recirc Dwnst Valve															
1RE029	2	A	1	GL	AO	A	C	C	M-91-4	D5	FC LT PI SC	M3 AJ Y2 M3			TP-04
Valve Name DWEDS Recirc Upstrm Valve															
1RF012	2	A	2	GL	AO	A	C	C	M-91-4	A4	FC LT PI SC	M3 AJ Y2 M3			TP-04
Valve Name DWFDS Pump Suct Hdr Upstrm Valve															
1RF013	2	A	2	GL	AO	A	C	C	M-91-4	B4	FC LT PI SC	M3 AJ Y2 M3			TP-04
Valve Name DWFDS Pump Suct Hdr Dwnst Valve															
2RE024	2	A	2	GL	AO	A	C	C	M-137-4	B4	FC LT PI SC	M3 AJ Y2 M3			TP-04
Valve Name DWEDS Pump Suct Hdr Upstrm Valve															
2RE025	2	A	2	GL	AO	A	C	C	M-137-4	C4	FC LT PI SC	M3 AJ Y2 M3			TP-04
Valve Name DWEDS Pump Suct Hdr Dwnst Valve															

Revision Date: 08/17/01



LaSalle Station  
IST PROGRAM PLAN

Reactor Building Equipment Drains & Floor Drains (Page 2)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2RE026	2	A	1	GL	AO	A	C	C	M-137-4	D5	FC LT PI SC	M3 AJ Y2 M3			TP-04
Valve Name DWEDS Recirc Dwnst Valve															
2RE029	2	A	1	GL	AO	A	C	C	M-137-4	D5	FC LT PI SC	M3 AJ Y2 M3			TP-04
Valve Name DWEDS Recirc Upstrm Valve															
2RF012	2	A	2	GL	AO	A	C	C	M-137-4	A4	FC LT PI SC	M3 AJ Y2 M3			TP-04
Valve Name DWFDS Pump Suct Hdr Upstrm Valve															
2RF013	2	A	2	GL	AO	A	C	C	M-137-4	B4	FC LT PI SC	M3 AJ Y2 M3			TP-04
Valve Name DWFDS Pump Suct Hdr Dwnst Valve															

Revision Date: 08/17/01



Residual Heat Removal (Page 2)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1E12-F009	1	A	20	GA	MO	A	C	C	M-96-3	D7	LT LTJ PI SC	Y2 AJ Y2 CS			TP-04   CS-13
Valve Name RHR SDC Suction Header Inboard Isolation Valve															
1E12-F011A	2	A	4	GA	MO	P	C	C	M-96-4	A3	LT PI	AJ Y2			TP-04
Valve Name A RHR HX Steam Condensing Supp Pool Return Isol															
1E12-F011B	2	A	4	GA	MO	P	C	C	M-96-4	A6	LT PI	AJ Y2			TP-04
Valve Name B RHR HX Steam Condensing Supp Pool Return Isol															
1E12-F016A	2	A	16	GA	MO	A	C	C	M-96-1	E5	LT PI SC	AJ Y2 M3			TP-04
Valve Name A RHR Containment Spray Upstream Isolation Valve															
1E12-F016B	2	A	16	GA	MO	A	C	C	M-96-2	F5	LT PI SC	AJ Y2 M3			TP-04
Valve Name B RHR Containment Spray Upstream Isolation Valve															
1E12-F017A	2	A	16	GA	MO	A	C	C	M-96-1	E7	LT PI SC	AJ Y2 M3			TP-04
Valve Name A RHR Containment Spray Downstream Isolation Valve															
1E12-F017B	2	A	16	GA	MO	A	C	C	M-96-2	F6	LT PI SC	AJ Y2 M3			TP-04
Valve Name B RHR Containment Spray Downstream Isolation Valve															
1E12-F021	2	A	18	GL	MO	A	C	C	M-96-3	E5	CP LT PI SC	M3 AJ Y2 CS			TP-04   CS-11
Valve Name C RHR Pump Full Flow Test Isolation Valve															
1E12-F023	1	A	6	GL	MO	A	C	C	M-96-1	F6	LT PI SC	AJ Y2 CS			TP-04  CS-14
Valve Name A RHR Rx Head Spray Outboard Isolation Valve															

Revision Date: August 17, 2001

Residual Heat Removal (Page 3)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1E12-F024A	2	A	18	GL	MO	A	C	O/C	M-96-1	D2	CP	M3			
											LT	AJ			TP-04
											PI	Y2			
											SC	CS		CS-11	
											SO	CS		CS-11	
Valve Name A RHR Pump Full Flow Test Isolation Valve															
1E12-F024B	2	A	18	GL	MO	A	C	O/C	M-96-2	E2	CP	M3			
											LT	AJ			TP-04
											PI	Y2			
											SC	CS		CS-11	
											SO	CS		CS-11	
Valve Name B RHR Pump Full Flow Test Isolation Valve															
1E12-F025A	2	AC	1 x 2	RV	SA	A	C	O/C	M-96-1	E3	LT	AJ			TP-04
											RT	Y10			
Valve Name A RHR Pump Discharge Relief Valve															
1E12-F025B	2	AC	1 x 2	RV	SA	A	C	O/C	M-96-2	D5	LT	AJ			TP-04
											RT	Y10			
Valve Name B RHR Pump Discharge Relief Valve															
1E12-F025C	2	AC	1 x 2	RV	SA	A	C	O/C	M-96-3	C2	LT	AJ			TP-04
											RT	Y10			
Valve Name C RHR Pump Discharge Relief Valve															
1E12-F026A	2	B	4	GA	MO	P	C	C	M-96-4	B4	PI	Y2			
Valve Name A RHR HX Steam Condensing RCIC Return Valve															
1E12-F026B	2	B	4	GA	MO	P	C	C	M-96-4	B6	PI	Y2			
Valve Name B RHR HX Steam Condensing RCIC Return Valve															
1E12-F027A	2	A	4	GA	MO	A	C	O/C	M-96-1	C5	LT	AJ			TP-04
											PI	Y2			
											SC	M3			
											SO	M3			
Valve Name A RHR Sup Chbr Spray Isol Valve															
1E12-F027B	2	A	4	GA	MO	A	C	O/C	M-96-2	C4	LT	AJ			TP-04
											PI	Y2			
											SC	M3			
											SO	M3			
Valve Name B RHR Sup Chbr Spray Isol Valve															
1E12-F030	2	A	1 x 2	RV	SA	P	C	C	M-96-2	B4	LT	AJ			TP-04
Valve Name RHR Pumps Drain Header Relief Valve															

Residual Heat Removal (Page 4)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1E12-F031A	2	C	18	CK	SA	A	SYS	O/C	M-96-1	A4	CC CO	M3 M3			
Valve Name A RHR Pump Discharge Check Valve															
1E12-F031B	2	C	18	CK	SA	A	SYS	O/C	M-96-2	C3	CC CO	M3 M3			
Valve Name B RHR Pump Discharge Check Valve															
1E12-F031C	2	C	18	CK	SA	A	SYS	O/C	M-96-3	B4	CC CO	M3 M3			
Valve Name C RHR Pump Discharge Check Valve															
1E12-F036A	2	A	4 x 6	RV	SA	A	C	O/C	M-101-2	C6	LT RT	AJ Y10			TP-04
Valve Name A RHR HX Steam Condensing RCIC Rtm Hdr Relief Vlv															
1E12-F036B	2	A	4 x 6	RV	SA	A	C	O/C	M-101-2	B3	LT RT	AJ Y10			TP-04
Valve Name B RHR HX Steam Condensing RCIC Rtm Hdr Relief Vlv															
1E12-F040A	2	B	3	GL	MO	A	C	C	M-96-4	C1	PI SC	Y2 M3			
Valve Name A RHR HX Blowdown Downstream Isolation Valve															
1E12-F040B	2	B	3	GL	MO	A	C	C	M-96-4	C8	PI SC	Y2 M3			
Valve Name B RHR HX Blowdown Downstream Isolation Valve															
1E12-F041A	1	AC	12	CK	SA	A	SYS	O/C	M-96-1	D7	CC CO LT	RR RR Y2		RJ-12 RJ-17	
Valve Name A RHR LPCI Check Valve															
1E12-F041B	1	AC	12	CK	SA	A	SYS	O/C	M-96-2	E7	CC CO LT	RR RR Y2		RJ-12 RJ-17	
Valve Name B RHR LPCI Check Valve															
1E12-F041C	1	AC	12	CK	SA	A	SYS	O/C	M-96-3	E7	CC CO LT	RR RR Y2		RJ-12 RJ-17	
Valve Name C RHR LPCI Check Valve															
1E12-F042A	1	A	12	GA	MO	A	C	O/C	M-96-1	D5	LT LT PI SC SO	Y2 AJ Y2 CS CS			TP-04 CS-15 CS-15
Valve Name A RHR LPCI Injection Line Isolation Valve															

Revision Date: 08/17/01

Residual Heat Removal (Page 5)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1E12-F042B	1	A	12	GA	MO	A	C	O/C	M-96-2	E6	LT	Y2			
											LTJ	AJ			TP-04
											PI	Y2			
											SC	CS		CS-15	
											SO	CS		CS-15	
Valve Name B RHR LPCI Injection Line Isolation Valve															
1E12-F042C	1	A	12	GA	MO	A	C	O/C	M-96-3	E6	LT	Y2			
											LTJ	AJ			TP-04
											PI	Y2			
											SC	CS		CS-15	
											SO	CS		CS-15	
Valve Name C RHR LPCI Injection Line Isolation Valve															
1E12-F046A	2	C	8	CK	SA	A	SYS	O	M-96-1	B5	CCD	SA			CWE00-02
											COD	SA			CWE00-02
											CP	M3			
Valve Name A RHR Pump Min Flow Line Check Valve															
1E12-F046B	2	C	8	CK	SA	A	SYS	O/C	M-96-2	C2	CCD	SA			CWE00-02
											COD	SA			CWE00-02
											CP	M3			
Valve Name B RHR Pump Min Flow Line Check Valve															
1E12-F046C	2	C	8	CK	SA	A	SYS	O/C	M-96-3	B3	CCD	SA			CWE00-02
											COD	SA			CWE00-02
											CP	M3			
Valve Name C RHR Pump Min Flow Line Check Valve															
1E12-F047A	2	B	18	GA	MO	A	O	O	M-96-4	E4	PI	Y2			
											SO	M3			
Valve Name A RHR Heat Exchanger Inlet Valve															
1E12-F047B	2	B	18	GA	MO	A	O	O	M-96-4	E5	PI	Y2			
											SO	M3			
Valve Name B RHR Heat Exchanger Inlet Valve															
1E12-F048A	2	B	18	GL	MO	A	O	O/C	M-96-4	D1	PI	Y2			
											SC	M3			
											SO	M3			
Valve Name A RHR Heat Exchanger Bypass Valve															
1E12-F048B	2	B	18	GL	MO	A	O	O/C	M-96-4	D8	PI	Y2			
											SC	M3			
											SO	M3			
Valve Name B RHR Heat Exchanger Bypass Valve															

LaSalle Station  
IST PROGRAM PLAN

Residual Heat Removal (Page 6)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1E12-F049A	2	B	3	GA	MO	A	C	C	M-96-4	C1	PI SC	Y2 M3			
Valve Name A RHR HX Blowdown Upstream Isolation Valve															
1E12-F049B	2	B	3	GA	MO	A	C	C	M-96-4	C8	PI SC	Y2 M3			
Valve Name B RHR HX Blowdown Upstream Isolation Valve															
1E12-F050A	1	AC	12	CK	SA	A	SYS	C	M-96-1	D7	CC CO LT	RR RR Y2		RJ-19 RJ-19	
Valve Name A RHR SDC Return Check Valve															
1E12-F050B	1	AC	12	CK	SA	A	SYS	C	M-96-2	D7	CC CO LT	RR RR Y2		RJ-19 RJ-19	
Valve Name B RHR SDC Return Check Valve															
1E12-F052A	2	B	10	GL	MO	P	C	C	M-96-4	C4	PI	Y2			
Valve Name A RHR HX RCIC Steam Inlet Valve															
1E12-F052B	2	B	10	GL	MO	P	C	C	M-96-4	C5	PI	Y2			
Valve Name B RHR HX RCIC Steam Inlet Valve															
1E12-F053A	1	A	12	GL	MO	A	C	C	M-96-1	D5	LT LTJ PI SC	Y2 AJ Y2 CS			TP-04 CS-16
Valve Name A RHR Shutdown Cooling Return Isolation Valve															
1E12-F053B	1	A	12	GL	MO	A	C	C	M-96-2	D6	LT LTJ PI SC	Y2 AJ Y2 CS			TP-04 CS-16
Valve Name B RHR Shutdown Cooling Return Isolation Valve															
1E12-F055A	2	AC	4 x 6	RV	SA	A	C	O/C	M-96-4	D3	LT RT	AJ Y10			TP-04
Valve Name A RHR HX RCIC Steam Inlet Header Relief Valve															
1E12-F055B	2	AC	4 x 6	RV	SA	A	C	O/C	M-96-4	D5	LT RT	AJ Y10			TP-04
Valve Name B RHR HX RCIC Steam Inlet Header Relief Valve															
1E12-F060A	2	B	0.75	GL	SO	A	C	C	M-96-4	C2	FC PI SC	M3 Y2 M3			
Valve Name A RHR HX Outlet Process Sample Upstream Isol Valve															

Revision Date: August 17, 2001

LaSalle Station  
IST PROGRAM PLAN

Residual Heat Removal (Page 7)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1E12-F060B	2	B	0.75	GL	SO	A	C	C	M-96-4	C7	FC	M3			
											PI	Y2			
											SC	M3			
Valve Name B RHR HX Outlet Process Sample Upstream Isol Valve															
1E12-F064A	2	A	4	GA	MO	A	O	O/C	M-96-1	B5	LT	AJ			TP-04
											PI	Y2			
											SC	M3			
											SO	M3			
Valve Name A RHR Pump Min Flow Isolation Valve															
1E12-F064B	2	A	4	GA	MO	A	O	O/C	M-96-2	C3	LT	AJ			TP-04
											PI	Y2			
											SC	M3			
											SO	M3			
Valve Name B RHR Pump Min Flow Isolation Valve															
1E12-F064C	2	A	4	GA	MO	A	O	O/C	M-96-3	B4	LT	AJ			TP-04
											PI	Y2			
											SC	M3			
											SO	M3			
Valve Name C RHR Pump Min Flow Isolation Valve															
1E12-F068A	3	B	20	GA	MO	A	C	O	M-87-2	B3	PI	Y2			
											SO	M3			
Valve Name A RHR HX Service Water Outlet Valve															
1E12-F068B	3	B	20	GA	MO	A	C	O	M-87-1	F2	PI	Y2			
											SO	M3			
Valve Name B RHR HX Service Water Outlet Valve															
1E12-F073A	2	A	0.75	GL	MO	P	C	C	M-96-4	E3	LT	AJ			TP-04
											PI	Y2			
Valve Name A RHR HX Shell Side Downstream Vent Valve															
1E12-F073B	2	A	0.75	GL	MO	P	C	C	M-96-4	E5	LT	AJ			TP-04
											PI	Y2			
Valve Name B RHR HX Shell Side Downstream Vent Valve															
1E12-F074A	2	A	0.75	GL	MO	P	C	C	M-96-4	E2	LT	AJ			TP-04
											PI	Y2			
Valve Name A RHR HX Shell Side Upstream Vent Valve															
1E12-F074B	2	A	0.75	GL	MO	P	C	C	M-96-4	E6	LT	AJ			TP-04
											PI	Y2			
Valve Name B RHR HX Shell Side Upstream Vent Valve															

Revision Date: 08/17/01



Residual Heat Removal (Page 8)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1E12-F075A	2	B	0.75	GL	SO	A	C	C	M-96-4	C2	FC PI SC	M3 Y2 M3			
Valve Name A RHR HX Outlet Process Sample Downstream Isol Vlv															
1E12-F075B	2	B	0.75	GL	SO	A	C	C	M-96-4	C7	FC PI SC	M3 Y2 M3			
Valve Name B RHR HX Outlet Process Sample Downstream Isol Vlv															
1E12-F084A	2	C	0.75	CK	SA	A	SYS	O/C	M-96-1	B4	CC CO	M3 M3			TP-02 TP-02
Valve Name A RHR/LPCS Water Leg Pump A RHR Dsch Check Valve															
1E12-F084B	2	C	0.75	CK	SA	A	SYS	O/C	M-96-4	E5	CC CO	M3 M3			TP-02 TP-02
Valve Name B/C RHR Water Leg Pump B RHR Discharge Check Valve															
1E12-F084C	2	C	0.75	CK	SA	A	SYS	O/C	M-96-3	A8	CC CO	M3 M3			TP-02 TP-02
Valve Name B/C RHR Water Leg Pump C RHR Discharge Check Valve															
1E12-F087A	2	B	10	GL	MO	P	C	C	M-96-4	C4	PI	Y2			
Valve Name A RHR HX RCIC Steam Inlet PCV Bypass Valve															
1E12-F087B	2	B	10	GL	MO	P	C	C	M-96-4	C5	PI	Y2			
Valve Name B RHR HX RCIC Steam Inlet PCV Bypass Valve															
1E12-F088A	2	AC	1 x 2	RV	SA	A	C	O/C	M-96-1	A6	LT RT	AJ Y10			TP-04
Valve Name A RHR Pump Suction Relief Valve															
1E12-F088B	2	AC	1 x 2	RV	SA	A	C	O/C	M-96-2	B5	LT RT	AJ Y10			TP-04
Valve Name B RHR Pump Suction Relief Valve															
1E12-F088C	2	AC	1 x 2	RV	SA	A	C	O/C	M-96-3	B6	LT RT	AJ Y10			TP-04
Valve Name C RHR Pump Suction Relief Valve															
1E12-F089	2	C	4	CK	SA	A	C	O/C	M-96-4	F5	CCD COD	SA SA			CWE00-02 CWE00-02
Valve Name B RHR Fuel Pool Emer Make Up Supply Testable Check															
1E12-F092A	1	B	12	GA	M	P	LO	O	M-96-1	D8	PI	Y2			
Valve Name A RHR LPCI Hdr Manual Stop Valve															
1E12-F092B	1	B	12	GA	M	P	LO	O	M-96-2	E8	PI	Y2			
Valve Name B RHR LPCI Header Manual Stop Valve															

LaSalle Station  
IST PROGRAM PLAN

Residual Heat Removal (Page 9)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1E12-F092C	1	B	12	GA	M	P	LO	O	M-96-3	E8	PI	Y2			
Valve Name C RHR LPCI Header Manual Stop Valve															
1E12-F093	2	B	4	GA	MO	A	C	O/C	M-96-4	F4	PI	Y2			
											SC	M3			
											SO	M3			
Valve Name B RHR Fuel Pool Emer MU Supply Downstream Valve															
1E12-F094	3	B	4	GA	MO	A	C	O/C	M-96-4	F3	PI	Y2			
											SC	M3			
											SO	M3			
Valve Name B RHR Fuel Pool Emer MU Supply Upstream Valve															
1E12-F097	2	B	0.75	GL	SO	A	O	C	M-96-4	F2	FC	M3			
											SC	M3			
Valve Name B RHR Fuel Pool Emer Make Up Supply Drain Valve															
1E12-F099A	1	A	2	GL	MO	A	C	C	M-96-1	C7	LT	Y2			
											PI	Y2			
											SC	CS		CS-17	
Valve Name A RHR SDC Return Testable Check Bypass Valve															
1E12-F099B	1	A	2	GL	MO	A	C	C	M-96-2	C7	LT	Y2			
											PI	Y2			
											SC	CS		CS-17	
Valve Name B RHR SDC Return Testable Check Bypass Valve															
1E12-F302	2	A	14	GA	M	P	LC	C	M-96-1	C2	LT	AJ			TP-04
Valve Name Suppression Pool Cleanup Supp Pool Return Valve															
1E12-F311A	2	AC	.75 x 1	RV	SA	A	C	O/C	M-96-4	D2	LT	AJ			TP-04
											RT	Y10			
Valve Name A RHR Heat Exchanger Shell Side Relief Valve															
1E12-F311B	2	AC	.75 x 1	RV	SA	A	C	O/C	M-96-4	D6	LT	AJ			TP-04
											RT	Y10			
Valve Name B RHR Heat Exchanger Shell Side Relief Valve															
1E12-F312A	2	B	1.5	GL	MO	A	C	O/C	M-96-1	D2	PI	Y2			
											SC	M3			
											SO	M3			
Valve Name U2 H2 Recom 2HG01A 1A RHR Clg Water Supply Upstrm															
1E12-F312B	2	B	1.5	GL	MO	A	C	O/C	M-96-2	E2	PI	Y2			
											SC	M3			
											SO	M3			
Valve Name U1 H2 Recom 1HG01A 1B RHR Clg Water Supply Valve															
1E12-F313A	3	C	3 x 4	RV	SA	A	C	O	M-91-3	C4	RT	Y10			
Valve Name A RHR Heat Exchanger Tube Side Relief Valve															

Revision Date: 08/17/01

Residual Heat Removal (Page 10)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1E12-F313B	3	C	3 x 4	RV	SA	A	C	O	M-91-3	C3	RT	Y10			
Valve Name B RHR Heat Exchanger Tube Side Relief Valve															
1E12-F315	2	AC	0.75	XFC	SA	A	SYS	C	M-2096-4	-	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name A RHR LPCI Inj Line Integrity Excess Flow CV															
1E12-F317	2	AC	0.75	XFC	SA	A	SYS	C	M-2096-4	-	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name B RHR Inj Line Integrity Excess Flow Check Valve															
1E12-F319	2	AC	0.75	XFC	SA	A	SYS	C	M-2096-4	-	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name C RHR Inj Line Integrity Excess Flow Check Valve															
1E12-F331A	3	C	16	CK	SA	A	SYS	O/C	M-87-2	B6	CC CO	M3 M3			
Valve Name A RHR Service Water Pump Discharge Check Valve															
1E12-F331B	3	C	16	CK	SA	A	SYS	O/C	M-87-2	B6	CC CO	M3 M3			
Valve Name B RHR Service Water Pump Discharge Check Valve															
1E12-F331C	3	C	16	CK	SA	A	SYS	O/C	M-87-1	E6	CC CO	M3 M3			
Valve Name C RHR Service Water Pump Discharge Check Valve															
1E12-F331D	3	C	16	CK	SA	A	SYS	O/C	M-87-1	F6	CC CO	M3 M3			
Valve Name D RHR Service Water Pump Discharge Check Valve															
1E12-F336A	3	B	4	GA	MO	A	C	O	M-87-2	A5	SO	M3			
Valve Name RHR Service Water Strainer Backwash Valve															
1E12-F336B	3	B	4	GA	MO	A	C	O	M-87-1	E5	SO	M3			
Valve Name RHR Service Water Strainer Backwash Valve															
1E12-F359A	2	AC	0.75	XFC	SA	A	SYS	C	M-2096-5	-	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name RHR SDC Suct Hdr D/p SW 1E31-N012aa Hi Side EFV															

LaSalle Station  
IST PROGRAM PLAN

Residual Heat Removal (Page 11)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active/Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1E12-F359B	2	AC	0.75	XFC	SA	A	SYS	C	M-2096-5	-	CC	RR		RJ-11	EXE01-01
											CO	OP			EXE98-02
											LT	Y10			
											PI	Y2			
Valve Name RHR SDC Suct Hdr D/p SW 1E31-N012aa Lo Side EFV															
1E12-F360A	2	AC	0.75	XFC	SA	A	SYS	C	M-2096-5	-	CC	RR		RJ-11	EXE01-01
											CO	OP			EXE98-02
											LT	Y10			
											PI	Y2			
Valve Name RHR SDC Suct Hdr D/p SW 1E31-N012ba Lo Side EFV															
1E12-F360B	2	AC	0.75	XFC	SA	A	SYS	C	M-2096-5	-	CC	RR		RJ-11	EXE01-01
											CO	OP			EXE98-02
											LT	Y10			
											PI	Y2			
Valve Name RHR SDC Suct Hdr D/p SW 1E31-N012ba Hi Side EFV															
1E12-F445	3	C	0.75	CK	SA	A	SYS	O/C	M-87-1	A8	CC	M3			
											CO	M3			
Valve Name B RHR WS Keep Fill Emer Supply Hdr Check Valve															
1E12-F448	3	C	0.75	CK	SA	A	SYS	C	M-87-1	A5	CC	M3			
											CO	M3			
Valve Name RHR WS Keep Fill Norm Supply Upstrm Check Valve															
1E12-F451	3	C	0.75	CK	SA	A	SYS	C	M-87-1	A5	CC	M3			
											CO	M3			
Valve Name B RHR WS Keep Fill Norm Supply Dwnst Check Valve															
1E12-F460	2	AC	.75 x 1	RV	SA	A	C	O/C	M-96-3	C7	LT	AJ			
											RT	Y10			
Valve Name RHR SDC Suct Header Cnmt Penetration Relief Valve															
2E12-F003A	2	B	18	GA	MO	A	O	O	M-142-4	D1	PI	Y2			
											SO	M3			
Valve Name A RHR HX Outlet Valve															
2E12-F003B	2	B	18	GA	MO	A	O	O	M-142-4	D8	PI	Y2			
											SO	M3			
Valve Name B RHR HX Outlet Valve															
2E12-F004A	2	A	24	GA	MO	A	O	O/C	M-142-1	A7	LT	AJ			TP-04
											PI	Y2			
											SC	M3			
											SO	M3			
Valve Name A RHR Pump Sup Pool Suct Isol Valve															

Revision Date: 08/17/01

Residual Heat Removal (Page 12)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2E12-F004B	2	A	24	GA	MO	A	O	O/C	M-142-2	B7	LT	AJ			TP-04
											PI	Y2			
											SC	M3			
											SO	M3			
Valve Name B RHR Pump Sup Pool Suct Isol Valve															
2E12-F004C	2	A	24	GA	MO	A	O	O/C	M-142-3	A7	LT	AJ			TP-04
											PI	Y2			
											SC	M3			TP-07
Valve Name C RHR Pump Sup Pool Suct Isol Valve															
2E12-F005	2	A	1 x 2	RV	SA	A	C	O/C	M-142-3	C5	LT	AJ			TP-04
											RT	Y10			
Valve Name RHR SDC Suction Header Relief Valve															
2E12-F006A	2	B	18	GA	MO	A	C	C	M-142-1	A7	PI	Y2			
											SC	M3			
Valve Name A RHR Pump SDC Suct Valve															
2E12-F006B	2	B	18	GA	MO	A	C	C	M-142-2	B6	PI	Y2			
											SC	M3			
Valve Name B RHR Pump SDC Suct Valve															
2E12-F008	1	A	20	GA	MO	A	C	C	M-142-3	D6	LT	Y2			
											LTJ	AJ			TP-04
											PI	Y2			
											SC	CS		CS-13	
Valve Name RHR SDC Suction Header Outboard Isolation Valve															
2E12-F009	1	A	20	GA	MO	A	C	C	M-142-3	D7	LT	Y2			
											LTJ	AJ			TP-04
											PI	Y2			
											SC	CS		CS-13	
Valve Name RHR SDC Suction Header Inboard Isolation Valve															
2E12-F011A	2	A	4	GA	MO	P	C	C	M-142-4	A3	LT	AJ			TP-04
											PI	Y2			
Valve Name A RHR HX Steam Condensing Supp Pool Return Isol															
2E12-F011B	2	A	4	GA	MO	P	C	C	M-142-4	A6	LT	AJ			TP-04
											PI	Y2			
Valve Name B RHR HX Steam Condensing Supp Pool Return Isol															
2E12-F016A	2	A	16	GA	MO	A	C	C	M-142-1	E5	LT	AJ			TP-04
											PI	Y2			
											SC	M3			
Valve Name A RHR Containment Spray Upstream Isolation Valve															

Residual Heat Removal (Page 13)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2E12-F016B	2	A	16	GA	MO	A	C	C	M-142-2	F5	LT PI SC	AJ Y2 M3			TP-04
Valve Name B RHR Containment Spray Upstream Isolation Valve															
2E12-F017A	2	A	16	GA	MO	A	C	C	M-142-1	E7	LT PI SC	AJ Y2 M3			TP-04
Valve Name A RHR Containment Spray Downstream Isolation Valve															
2E12-F017B	2	A	16	GA	MO	A	C	C	M-142-2	F6	LT PI SC	AJ Y2 M3			TP-04
Valve Name B RHR Containment Spray Downstream Isolation Valve															
2E12-F021	2	A	18	GL	MO	A	C	C	M-142-3	E5	CP LT PI SC	M3 AJ Y2 CS			TP-04 CS-11
Valve Name C RHR Pump Full Flow Test Isolation Valve															
2E12-F023	1	A	6	GL	MO	A	C	C	M-142-1	F6	LT PI SC	AJ Y2 CS			TP-04 CS-14
Valve Name A RHR Rx Head Spray Outboard Isolation Valve															
2E12-F024A	2	A	18	GL	MO	A	C	O/C	M-142-1	D2	CP LT PI SC SO	M3 AJ Y2 CS CS			TP-04 CS-11 CS-11
Valve Name A RHR Pump Full Flow Test Isolation Valve															
2E12-F024B	2	A	18	GL	MO	A	C	O/C	M-142-2	E2	CP LT PI SC SO	M3 AJ Y2 CS CS			TP-04 CS-11 CS-11
Valve Name B RHR Pump Full Flow Test Isolation Valve															
2E12-F025A	2	AC	1 x 2	RV	SA	A	C	O/C	M-142-1	E3	LT RT	AJ Y10			TP-04
Valve Name A RHR Pump Discharge Relief Valve															
2E12-F025B	2	AC	1 x 2	RV	SA	A	C	O/C	M-142-2	D5	LT RT	AJ Y10			TP-04
Valve Name B RHR Pump Discharge Relief Valve															

Revision Date: 08/17/01

Residual Heat Removal (Page 14)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2E12-F025C	2	AC	1 x 2	RV	SA	A	C	O/C	M-142-3	C2	LT RT	AJ Y10			TP-04
Valve Name C RHR Pump Discharge Relief Valve															
2E12-F026A	2	B	4	GA	MO	P	C	C	M-142-4	B4	PI	Y2			
Valve Name A RHR HX Steam Condensing RCIC Return Valve															
2E12-F026B	2	B	4	GA	MO	P	C	C	M-142-4	B6	PI	Y2			
Valve Name B RHR HX Steam Condensing RCIC Return Valve															
2E12-F027A	2	A	4	GA	MO	A	C	O/C	M-142-1	C5	LT PI SC SO	AJ Y2 M3 M3			TP-04
Valve Name A RHR Sup Chbr Spray Isol Valve															
2E12-F027B	2	A	4	GA	MO	A	C	O/C	M-142-2	C4	LT PI SC SO	AJ Y2 M3 M3			TP-04
Valve Name B RHR Sup Chbr Spray Isol Valve															
2E12-F030	2	A	1 x 2	RV	SA	P	C	C	M-142-2	B4	LT	AJ			TP-04
Valve Name RHR Pumps Drain Header Relief Valve															
2E12-F031A	2	C	18	CK	SA	A	SYS	O/C	M-142-1	A4	CC CO	M3 M3			
Valve Name A RHR Pump Discharge Check Valve															
2E12-F031B	2	C	18	CK	SA	A	SYS	O/C	M-142-2	B3	CC CO	M3 M3			
Valve Name B RHR Pump Discharge Check Valve															
2E12-F031C	2	C	18	CK	SA	A	SYS	O/C	M-142-3	B4	CC CO	M3 M3			
Valve Name C RHR Pump Discharge Check Valve															
2E12-F036A	2	A	4 x 6	RV	SA	A	C	O/C	M-147-2	C6	LT RT	AJ Y10			TP-04
Valve Name A RHR HX Steam Condensing RCIC Rtn Hdr Relief Vlv															
2E12-F036B	2	A	4 x 6	RV	SA	A	C	O/C	M-147-2	B3	LT RT	AJ Y10			TP-04
Valve Name B RHR HX Steam Condensing RCIC Rtn Hdr Relief Vlv															
2E12-F040A	2	B	3	GL	MO	A	C	C	M-142-4	C1	PI SC	Y2 M3			
Valve Name A RHR HX Blowdown Downstream Isolation Valve															

LaSalle Station  
IST PROGRAM PLAN

Residual Heat Removal (Page 15)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2E12-F040B	2	B	3	GL	MO	A	C	C	M-142-4	C8	PI SC	Y2 M3			
Valve Name B RHR HX Blowdown Downstream Isolation Valve															
2E12-F041A	1	AC	12	CK	SA	A	SYS	O/C	M-142-1	D7	CC CO LT	RR RR Y2		RJ-12 RJ-17	
Valve Name A RHR LPCI Check Valve															
2E12-F041B	1	AC	12	CK	SA	A	SYS	O/C	M-142-2	E7	CC CO LT	RR RR Y2		RJ-12 RJ-17	
Valve Name B RHR LPCI Check Valve															
2E12-F041C	1	AC	12	CK	SA	A	SYS	O/C	M-142-3	E7	CC CO LT	RR RR Y2		RJ-12 RJ-17	
Valve Name C RHR LPCI Check Valve															
2E12-F042A	1	A	12	GA	MO	A	C	O/C	M-142-1	D5	LT LTJ PI SC SO	Y2 AJ Y2 CS CS			TP-04 CS-15 CS-15
Valve Name A RHR LPCI Injection Line Isolation Valve															
2E12-F042B	1	A	12	GA	MO	A	C	O/C	M-142-2	E6	LT LTJ PI SC SO	Y2 AJ Y2 CS CS			TP-04 CS-15 CS-15
Valve Name B RHR LPCI Injection Line Isolation Valve															
2E12-F042C	1	A	12	GA	MO	A	C	O/C	M-142-3	E6	LT LTJ PI SC SO	Y2 AJ Y2 CS CS			TP-04 CS-15 CS-15
Valve Name C RHR LPCI Injection Line Isolation Valve															
2E12-F046A	2	C	8	CK	SA	A	SYS	O	M-142-1	B5	CCD COD CP	SA SA M3			CWE00-02 CWE00-02
Valve Name A RHR Pump Min Flow Line Check Valve															

Revision Date: August 17, 2001



Residual Heat Removal (Page 16)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2E12-F046B	2	C	8	CK	SA	A	SYS	O/C	M-142-2	C2	CCD COD CP	SA SA M3			CWE00-02 CWE00-02
Valve Name B RHR Pump Min Flow Line Check Valve															
2E12-F046C	2	C	8	CK	SA	A	SYS	O/C	M-142-3	B3	CCD COD CP	SA SA M3			CWE00-02 CWE00-02
Valve Name C RHR Pump Min Flow Line Check Valve															
2E12-F047A	2	B	18	GA	MO	A	O	O	M-142-4	E4	PI SO	Y2 M3			
Valve Name A RHR Heat Exchanger Inlet Valve															
2E12-F047B	2	B	18	GA	MO	A	O	O	M-142-4	E5	PI SO	Y2 M3			
Valve Name B RHR Heat Exchanger Inlet Valve															
2E12-F048A	2	B	18	GL	MO	A	O	O/C	M-142-4	D1	PI SC SO	Y2 M3 M3			
Valve Name A RHR Heat Exchanger Bypass Valve															
2E12-F048B	2	B	18	GL	MO	A	O	O/C	M-142-4	D8	PI SC SO	Y2 M3 M3			
Valve Name B RHR Heat Exchanger Bypass Valve															
2E12-F049A	2	B	3	GA	MO	A	C	C	M-142-4	C1	PI SC	Y2 M3			
Valve Name A RHR HX Blowdown Upstream Isolation Valve															
2E12-F049B	2	B	3	GA	MO	A	C	C	M-142-4	C8	PI SC	Y2 M3			
Valve Name B RHR HX Blowdown Upstream Isolation Valve															
2E12-F050A	1	AC	12	CK	SA	A	SYS	C	M-142-1	D7	CC CO LT	RR RR Y2			RJ-19 RJ-19
Valve Name A RHR SDC Return Check Valve															
2E12-F050B	1	AC	12	CK	SA	A	SYS	C	M-142-2	D7	CC CO LT	RR RR Y2			RJ-19 RJ-19
Valve Name B RHR SDC Return Check Valve															
2E12-F052A	2	B	10	GL	MO	P	C	C	M-142-4	C4	PI	Y2			
Valve Name A RHR HX RCIC Steam Inlet Valve															

Residual Heat Removal (Page 17)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2E12-F052B	2	B	10	GL	MO	P	C	C	M-142-4	C5	PI	Y2			
Valve Name B RHR HX RCIC Steam Inlet Valve															
2E12-F053A	1	A	12	GL	MO	A	C	C	M-142-1	D5	LT	Y2			
											LTJ	AJ			TP-04
											PI	Y2			
											SC	CS		CS-16	
Valve Name A RHR Shutdown Cooling Return Isolation Valve															
2E12-F053B	1	A	12	GL	MO	A	C	C	M-142-2	D6	LT	Y2			
											LTJ	AJ			TP-04
											PI	Y2			
											SC	CS		CS-16	
Valve Name B RHR Shutdown Cooling Return Isolation Valve															
2E12-F055A	2	AC	4 x 6	RV	SA	P	C	C	M-142-4	D3	LT	AJ			TP-04
Valve Name A RHR HX RCIC Steam Inlet Header Relief Valve															
2E12-F055B	2	AC	4 x 6	RV	SA	P	C	C	M-142-4	D5	LT	AJ			TP-04
Valve Name B RHR HX RCIC Steam Inlet Header Relief Valve															
2E12-F060A	2	B	0.75	GL	SO	A	C	C	M-142-4	C-2	FC	M3			
											PI	Y2			
											SC	M3			
Valve Name A RHR HX Outlet Process Sample Upstream Isol Valve															
2E12-F060B	2	B	0.75	GL	SO	A	C	C	M-142-4	C-7	FC	M3			
											PI	Y2			
											SC	M3			
Valve Name B RHR HX Outlet Process Sample Upstream Isol Valve															
2E12-F064A	2	A	4	GA	MO	A	O	O/C	M-142-1	B5	LT	AJ			TP-04
											PI	Y2			
											SC	M3			
											SO	M3			
Valve Name A RHR Pump Min Flow Isolation Valve															
2E12-F064B	2	A	4	GA	MO	A	O	O/C	M-142-2	C2	LT	AJ			TP-04
											PI	Y2			
											SC	M3			
											SO	M3			
Valve Name B RHR Pump Min Flow Isolation Valve															
2E12-F064C	2	A	4	GA	MO	A	O	O/C	M-142-3	B4	LT	AJ			TP-04
											PI	Y2			
											SC	M3			
											SO	M3			
Valve Name C RHR Pump Min Flow Isolation Valve															

Revision Date: August 17, 2001

Residual Heat Removal (Page 18)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2E12-F068A	3	B	20	GA	MO	A	C	O	M-134-2	B2	PI SO	Y2 M3			
Valve Name A RHR HX Service Water Outlet Valve															
2E12-F068B	3	B	20	GA	MO	A	C	O	M-134-1	F2	PI SO	Y2 M3			
Valve Name B RHR HX Service Water Outlet Valve															
2E12-F073A	2	A	0.75	GL	MO	P	C	C	M-142-4	E3	LT PI	AJ Y2			TP-04
Valve Name A RHR HX Shell Side Downstream Vent Valve															
2E12-F073B	2	A	0.75	GL	MO	P	C	C	M-142-4	E5	LT PI	AJ Y2			TP-04
Valve Name B RHR HX Shell Side Downstream Vent Valve															
2E12-F074A	2	A	0.75	GL	MO	P	C	C	M-142-4	E2	LT PI	AJ Y2			TP-04
Valve Name A RHR HX Shell Side Upstream Vent Valve															
2E12-F074B	2	A	0.75	GL	MO	P	C	C	M-142-4	E6	LT PI	AJ Y2			TP-04
Valve Name B RHR HX Shell Side Upstream Vent Valve															
2E12-F075A	2	B	0.75	GL	SO	A	C	C	M-142-4	C2	FC PI SC	M3 Y2 M3			
Valve Name A RHR HX Outlet Process Sample Downstream Isol Vlv															
2E12-F075B	2	B	0.75	GL	SO	A	C	C	M-142-4	C-7	FC PI SC	M3 Y2 M3			
Valve Name B RHR HX Outlet Process Sample Downstream Isol Vlv															
2E12-F084A	2	C	0.75	CK	SA	A	SYS	O/C	M-142-1	B3	CC CO	M3 M3			TP-02 TP-02
Valve Name A RHR/LPCS Water Leg Pump A RHR Dsch Check Valve															
2E12-F084B	2	C	0.75	CK	SA	A	SYS	O/C	M-142-4	E5	CC CO	M3 M3			TP-02 TP-02
Valve Name B/C RHR Water Leg Pump B RHR Discharge Check Valve															
2E12-F084C	2	C	0.75	CK	SA	A	SYS	O/C	M-142-3	A7	CC CO	M3 M3			TP-02 TP-02
Valve Name B/C RHR Water Leg Pump B RHR Discharge Check Valve															
2E12-F087A	2	B	10	GL	MO	P	C	C	M-142-4	C4	PI	Y2			
Valve Name A RHR HX RCIC Steam Inlet PCV Bypass Valve															
2E12-F087B	2	B	10	GL	MO	P	C	C	M-142-4	C5	PI	Y2			
Valve Name B RHR HX RCIC Steam Inlet PCV Bypass Valve															

Revision Date: 08/17/01

Residual Heat Removal (Page 19)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2E12-F088A	2	AC	1 x 2	RV	SA	A	C	O/C	M-142-1	A6	LT RT	AJ Y10			TP-04
Valve Name A RHR Pump Suction Relief Valve															
2E12-F088B	2	AC	1 x 2	RV	SA	A	C	O/C	M-142-2	B5	LT RT	AJ Y10			TP-04
Valve Name B RHR Pump Suction Relief Valve															
2E12-F088C	2	AC	1 x 2	RV	SA	A	C	O/C	M-142-3	B6	LT RT	AJ Y10			TP-04
Valve Name C RHR Pump Suction Relief Valve															
2E12-F089	2	C	4	CK	SA	A	C	O/C	M-142-4	F5	CCD COD	SA SA			CWE00-02 CWE00-02
Valve Name B RHR Fuel Pool Emer Make Up Supply Testable Check															
2E12-F092A	1	B	12	GA	M	P	LO	O	M-142-1	D8	PI	Y2			
Valve Name A RHR LPCI Hdr Manual Stop Valve															
2E12-F092B	1	B	12	GA	M	P	LO	O	M-142-2	E8	PI	Y2			
Valve Name B RHR LPCI Header Manual Stop Valve															
2E12-F092C	1	B	12	GA	M	P	LO	O	M-142-3	E8	PI	Y2			
Valve Name C RHR LPCI Header Manual Stop Valve															
2E12-F093	2	B	4	GA	MO	A	C	O/C	M-142-4	F4	PI SC SO	Y2 M3 M3			
Valve Name B RHR Fuel Pool Emer MU Supply Downstream Valve															
2E12-F094	3	B	4	GA	MO	A	C	O/C	M-142-4	F3	PI SC SO	Y2 M3 M3			
Valve Name B RHR Fuel Pool Emer MU Supply Upstream Valve															
2E12-F097	2	B	0.75	GL	SO	A	O	C	M-142-4	F2	FC SC	M3 M3			
Valve Name B RHR Fuel Pool Emer Make Up Supply Drain Valve															
2E12-F099A	1	A	2	GL	MO	A	C	C	M-142-1	C7	LT PI SC	Y2 Y2 CS		CS-17	
Valve Name A RHR SDC Return Testable Check Bypass Valve															
2E12-F099B	1	A	2	GL	MO	A	C	C	M-142-2	C7	LT PI SC	Y2 Y2 CS		CS-17	
Valve Name B RHR SDC Return Testable Check Bypass Valve															
2E12-F302	2	A	14	GA	M	P	LC	C	M-142-1	C2	LT	AJ			TP-04
Valve Name Suppression Pool Cleanup Supp Pool Return Valve															

Revision Date: August 17, 2001

Residual Heat Removal (Page 20)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2E12-F311A	2	AC	.75 x 1	RV	SA	A	C	O/C	M-142-4	D2	LT RT	AJ Y10			TP-04
Valve Name A RHR Heat Exchanger Shell Side Relief Valve															
2E12-F311B	2	AC	.75 x 1	RV	SA	A	C	O/C	M-142-4	D6	LT RT	AJ Y10			TP-04
Valve Name B RHR Heat Exchanger Shell Side Relief Valve															
2E12-F312A	2	B	1.5	GL	MO	A	C	O/C	M-142-1	E2	PI SC SO	Y2 M3 M3			
Valve Name U1 H2 Recom 1HG01A 2A RHR Clg Water Supply Upstrm															
2E12-F312B	2	B	1.5	GL	MO	A	C	O/C	M-142-2	E2	PI SC SO	Y2 M3 M3			
Valve Name U2 H2 Recom 2HG01A 2B RHR Clg Water Supply Valve															
2E12-F313A	3	C	3 x 4	RV	SA	A	C	O	M-137-3	C4	RT	Y10			
Valve Name A RHR Heat Exchanger Tube Side Relief Valve															
2E12-F313B	3	C	3 x 4	RV	SA	A	C	O	M-137-3	C3	RT	Y10			
Valve Name B RHR Heat Exchanger Tube Side Relief Valve															
2E12-F315	2	AC	0.75	XFC	SA	A	SYS	C	M-2142-4	-	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name A RHR LPCI Inj Line Integrity Excess Flow CV															
2E12-F317	2	AC	0.75	XFC	SA	A	SYS	C	M-2142-4	-	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name B RHR Inj Line Integrity Excess Flow Check Valve															
2E12-F319	2	AC	0.75	XFC	SA	A	SYS	C	M-2142-4	-	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name C RHR Inj Line Integrity Excess Flow Check Valve															
2E12-F331A	3	C	16	CK	SA	A	SYS	O/C	M-134-2	B6	CC CO	M3 M3			
Valve Name A RHR Service Water Pump Discharge Check Valve															
2E12-F331B	3	C	16	CK	SA	A	SYS	O/C	M-134-2	C6	CC CO	M3 M3			
Valve Name B RHR Service Water Pump Discharge Check Valve															

Revision Date: 08/17/01

Residual Heat Removal (Page 21)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2E12-F331C	3	C	16	CK	SA	A	SYS	O/C	M-134-1	E6	CC CO	M3 M3			
Valve Name C RHR Service Water Pump Discharge Check Valve															
2E12-F331D	3	C	16	CK	SA	A	SYS	O/C	M-134-1	F6	CC CO	M3 M3			
Valve Name D RHR Service Water Pump Discharge Check Valve															
2E12-F336A	3	B	4	GA	MO	A	C	O	M-134-2	A5	SO	M3			
Valve Name RHR Service Water Strainer Backwash Valve															
2E12-F336B	3	B	4	GA	MO	A	C	O	M-134-1	E5	SO	M3			
Valve Name RHR Service Water Strainer Backwash Valve															
2E12-F359A	2	AC	0.75	XFC	SA	A	SYS	C	M-2142-5	-	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name RHR SDC Suct Hdr D/p SW 2E31-N012aa Hi Side EFV															
2E12-F359B	2	AC	0.75	XFC	SA	A	SYS	C	M-2142-5	-	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name RHR SDC Suct Hdr D/p SW 2E31-N012aa Lo Side EFV															
2E12-F360A	2	AC	0.75	XFC	SA	A	SYS	C	M-2142-5	-	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name RHR SDC Suct Hdr D/p SW 2E31-N012ba Lo Side EFV															
2E12-F360B	2	AC	0.75	XFC	SA	A	SYS	C	M-2142-5	-	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name RHR SDC Suct Hdr D/p SW 2E31-N012ba Hi Side EFV															
2E12-F445	3	C	0.75	CK	SA	A	SYS	O/C	M-134-1	A5	CC CO	M3 M3			
Valve Name B RHR WS Keep Fill Emer Supply Hdr Check Valve															
2E12-F448	3	C	0.75	CK	SA	A	SYS	C	M-134-1	C1	CC CO	M3 M3			
Valve Name RHR WS Keep Fill Norm Supply Upstrm Check Valve															
2E12-F451	3	C	0.75	CK	SA	A	SYS	C	M-134-1	D1	CC CO	M3 M3			
Valve Name B RHR WS Keep Fill Norm Supply Dwnst Check Valve															

Revision Date: 08/17/01

Residual Heat Removal (Page 22)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2E12-F460	2	AC	.75 x 1	RV	SA	A	C	O/C	M-142-3	C7	LT	AJ			
											RT	Y10			

Valve Name RHR SDC Suct Header Cnmt Penetration Relief Valve

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LaSalle Station  
IST PROGRAM PLAN

Reactor Core Isolation Cooling (Page 1)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1B21-F413A	2	AC	0.75	XFC	SA	A	SYS	C	M-2101-1	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name MS RCIC Strm D/p Sw Hi Excs Flow Ck Valve															
1B21-F413B	2	AC	0.75	XFC	SA	A	SYS	C	M-2101-1	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name MS RCIC Strm D/p Sw Lo Excs Flow Ck Valve															
1B21-F415A	2	AC	0.75	XFC	SA	A	SYS	C	M-2101-1	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name MS RCIC Strm D/p Sw Hi Excs Flow Ck Valve															
1B21-F415B	2	AC	0.75	XFC	SA	A	SYS	C	M-2101-1	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name MS RCIC Strm D/p Sw Lo Excs Flow Ck Valve															
1E51-D001	2	D	6	RPD	SA	A	C	O	M-101-1	E2	DT	Y5			
Valve Name RCIC Turbine Exhaust Upstrm Rupture Disc															
1E51-D002	2	D	6	RPD	SA	A	C	O	M-101-1	E2	DT	Y5			
Valve Name RCIC Turbine Exhaust Dwnst Rupture Disc															
1E51-F004	2	B	2	GL	AO	A	O	C	M-101-1	A6	FC	M3			
											PI	Y2			
											SC	M3			
Valve Name RCIC Cndsr Cond Pmp Dsch Upstrm Equip Dm Sump Rtn															
1E51-F005	2	B	2	GL	AO	A	C	C	M-101-1	A5	FC	M3			
											PI	Y2			
											SC	M3			
Valve Name RCIC Cndsr Cond Pmp Dsch Dwnstrm Equip Dm Sump Rtn															
1E51-F008	1	A	4	GA	MO	A	O	O/C	M-101-1	E7	LT	AJ			TP-04
											PI	Y2			
											SC	M3			TP-07
Valve Name RCIC Steam Supply Outboard Isolation															
1E51-F010	2	B	8	GA	MO	A	O	O/C	M-101-2	B4	PI	Y2			
											SC	M3			TP-07
Valve Name RCIC Pump Cycled CST Suction Valve															

Revision Date: 08/17/01



Reactor Core Isolation Cooling (Page 2)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1E51-F011	2	C	8	CK	SA	A	SYS	O/C	M-101-2	B3	CC CO	M3 M3			
Valve Name RCIC Pump Cycled CST Suction Check Valve															
1E51-F013	1	A	6	GA	MO	A	C	O/C	M-101-2	C7	LT PI SC SO	AJ Y2 CS CS			TP-04  CS-12 CS-12
Valve Name RCIC Injection Outboard Isol Valve															
1E51-F017	2	C	0.75 x 1	RV	SA	A	C	O	M-101-2	B1	RT	Y10			
Valve Name RCIC Pump Suction Relief Valve															
1E51-F018	2	C	1.5 x 3	RV	SA	A	C	O	M-101-2	F3	RT	Y10			
Valve Name RCIC Lube Oil Cooler Inlet Relief Valve															
1E51-F019	2	A	2	GL	MO	A	C	O/C	M-101-2	B5	LT PI SC SO	AJ Y2 M3 M3			TP-04
Valve Name RCIC Pump Min Flow Isolation Valve															
1E51-F021	2	C	2	CK	SA	A	SYS	O	M-101-2	B4	CCD COD CP	SA SA M3			CWE00-02 CWE00-02
Valve Name RCIC Pump Min Flow Check Valve															
1E51-F022	2	A	4	GL	MO	A	C	C	M-101-2	E6	LT PI SC	AJ Y2 M3			TP-04
Valve Name RCIC Full Flow Test Upstream Valve															
1E51-F025	2	B	2	GL	AO	A	O	C	M-101-1	D6	FC PI SC	M3 Y2 M3			
Valve Name RCIC Steam Supply Drain Pot Upstrm Outlet Valve															
1E51-F026	2	B	2	GL	AO	A	O	C	M-101-1	D6	FC PI SC	M3 Y2 M3			
Valve Name RCIC Steam Supply Drain Pot Dwnst Outlet Valve															
1E51-F028	2	AC	1.25	CK	SA	A	SYS	C	M-101-1	B6	CC CO LT	RR M3 AJ			RJ-31  TP-04
Valve Name RCIC Cndsr Vacuum Pump Dsch Check Valve															

LaSalle Station  
IST PROGRAM PLAN

Reactor Core Isolation Cooling (Page 3)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1E51-F030	2	C	8	CK	SA	A	SYS	O/C	M-101-2	B6	CC CO CP	M3 RR M3		RJ-37	
Valve Name RCIC Pump Sup Pool Suction Check Valve															
1E51-F031	2	A	8	GA	MO	A	C	O/C	M-101-2	B7	LT PI SC SO	AJ Y2 M3 M3			TP-04
Valve Name RCIC Pump Sup Pool Suction Isol Valve															
1E51-F040	2	AC	10	CK	SA	A	SYS	O/C	M-101-1	B7	CC CP LT	RR M3 AJ		RJ-28	CWE00-02 TP-04
Valve Name RCIC Turbine Exhaust Check Valve															
1E51-F045	2	B	4	GL	MO	A	C	O	M-101-1	D5	PI SC SO	Y2 M3 M3			
Valve Name RCIC Turbine Steam Supply Stop valve															
1E51-F046	2	B	2	GL	MO	A	C	O	M-101-2	D3	PI SO	Y2 M3			
Valve Name RCIC Turbine Lube Oil Cooler Inlet Valve															
1E51-F047	2	C	2	CK	SA	A	SYS	C	M-101-1	B6	CC CO	M3 M3			
Valve Name RCIC Cndsr Cond Pump Discharge Check Valve															
1E51-F059	2	A	4	GA	MO	A	C	C	M-101-2	E5	LT PI SC	AJ Y2 M3			TP-04
Valve Name RCIC Full Flow Test Downstream Valve															
1E51-F060	2	N/A	2	GL	M	N/A	O	O/C	M-101-2	A4	SC SO	M3 M3			
Valve Name RCIC Water Leg Pump Cycled CST Suction Valve															
1E51-F061	2	C	0.75	CK	SA	A	SYS	O/C	M-101-2	A3	CC CO	M3 M3			TP-02 TP-02
Valve Name RCIC Water Leg Pump Discharge Check Valve															
1E51-F063	1	A	10	GA	MO	A	O	O/C	M-101-1	E8	LT PI SC	AJ Y2 M3			TP-04 TP-07
Valve Name RCIC Steam Supply Inboard Isolation Valve															

Revision Date: 08/17/01

Reactor Core Isolation Cooling (Page 4)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1E51-F065	1	AC	6	CK	AO	A	SYS	O/C	M-101-2	C7	CC	RR		RJ-29	
											CO	RR		RJ-29	
											LT	Y2			
											PI	Y2			
Valve Name RCIC Injection Otbd Testable Check Valve															
1E51-F066	1	AC	6	CK	AO	A	SYS	O/C	M-101-2	C8	CC	RR		RJ-29	
											CO	RR		RJ-29	
											LT	Y2			
											PI	Y2			
Valve Name RCIC Injection Inbd Testable Check Valve															
1E51-F068	2	A	10	GA	MO	A	O	O/C	M-101-1	B7	LT	AJ			TP-04
											PI	Y2			
											SC	M3			TP-07
Valve Name RCIC Turbine Exhaust Isolation Valve															
1E51-F069	2	A	1.25	GL	MO	A	O	C	M-101-1	B7	LT	AJ			TP-04
											PI	Y2			
											SC	M3			
Valve Name RCIC Cndsr Vacuum Pump Dsch Isolation Valve															
51-F076	1	A	1	GL	MO	A	C	C	M-101-1	E8	LT	AJ			TP-04
											PI	Y2			
											SC	M3			
Valve Name RCIC Steam Supply Inbd Isol Bypass/warmup Valve															
1E51-F080	2	A	2	GL	MO	A	O	O/C	M-101-1	C7	LT	AJ			TP-04
											PI	Y2			
											SC	M3			TP-07
Valve Name RCIC Turbine Exhaust Vacuum Bkr Dwnst Isol Valve															
1E51-F082	2	C	2	CK	SA	A	SYS	O/C	M-101-1	D7	CC	RR		RJ-30	
											CO	RR		RJ-30	
Valve Name RCIC Turbine Exhaust Vacuum Bkr Dwnst Check Valve															
1E51-F084	2	C	2	CK	SA	A	SYS	O/C	M-101-1	D7	CC	RR		RJ-30	
											CO	RR		RJ-30	
Valve Name RCIC Turbine Exhaust Vacuum Bkr Upstrm Check Valve															
1E51-F086	2	A	2	GL	MO	A	O	O/C	M-101-1	C7	LT	AJ			TP-04
											PI	Y2			
											SC	M3			TP-07
Valve Name RCIC Turbine Exhaust Vacuum Bkr Upstrm Isol Valve															
1E51-F360	2	B	3	GA	MO	A	O	O/C	M-101-1	D4	SC	M3			EXE00-04
											SO	M3			EXE00-04
Valve Name RCIC Turbine Trip/Throttle Valve															

Revision Date: 08/17/01

LaSalle Station  
IST PROGRAM PLAN

Reactor Core Isolation Cooling (Page 5)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1E51-F362	2	A	4	GA	M	P	LC	C	M-101-2	F7	LT	AJ			TP-04
Valve Name RCIC Full Flow Test Sup Pool Upstrm Return Valve															
1E51-F363	2	A	4	GA	M	P	LC	C	M-101-2	F7	LT	AJ			TP-04
Valve Name RCIC Full Flow Test Sup Pool Dwnst Return Valve															
1E51-F370	2	N/A	2	GL	M	N/A	LC	O/C	M-101-2	A4	SC	M3			
Valve Name RCIC Water Leg Pump Sup Pool Suct Valve															
2B21-F413A	2	AC	0.75	XFC	SA	A	SYS	C	M-2147-1	-	CC	RR		RJ-11	
Valve Name MS RCIC Strm D/p Sw Hi Excs Flow Ck Valve															
2B21-F413B	2	AC	0.75	XFC	SA	A	SYS	C	M-2147-1	-	CC	RR		RJ-11	
Valve Name MS RCIC Strm D/p Sw Lo Excs Flow Ck Valve															
2B21-F415A	2	AC	0.75	XFC	SA	A	SYS	C	M-2147-1	-	CC	RR		RJ-11	
Valve Name MS RCIC Strm D/p Sw Hi Excs Flow Ck Valve															
2B21-F415B	2	AC	0.75	XFC	SA	A	SYS	C	M-2147-1	-	CC	RR		RJ-11	
Valve Name MS RCIC Strm D/p Sw Lo Excs Flow Ck Valve															
2E51-D001	2	D	6	RPD	SA	A	C	O	M-147-1	E2	DT	Y5			
Valve Name RCIC Turbine Exhaust Upstrm Rupture Disc															
2E51-D002	2	D	6	RPD	SA	A	C	O	M-147-1	E2	DT	Y5			
Valve Name RCIC Turbine Exhaust Dwnst Rupture Disc															
2E51-F004	2	B	2	GL	AO	A	O	C	M-147-1	A5	FC	M3			
Valve Name RCIC Cndsr Cond Pmp Dsch Upstrm Equip Dm Sump Rtn															
2E51-F005	2	B	2	GL	AO	A	C	C	M-147-1	A5	FC	M3			
Valve Name RCIC Cndsr Cond Pmp Dsch Dwnstrm Equip Dm Sump Rtn															

Revision Date: 08/17/01

Reactor Core Isolation Cooling (Page 6)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2E51-F008	1	A	4	GA	MO	A	O	O/C	M-147-1	E7	LT PI SC	AJ Y2 M3			TP-04  TP-07
Valve Name RCIC Steam Supply Outboard Isolation															
2E51-F010	2	B	8	GA	MO	A	O	O/C	M-147-2	A4	PI SC	Y2 M3			TP-07
Valve Name RCIC Pump Cycled CST Suction Valve															
2E51-F011	2	C	8	CK	SA	A	SYS	O/C	M-147-2	A3	CC CO	M3 M3			
Valve Name RCIC Pump Cycled CST Suction Check Valve															
2E51-F013	1	A	6	GA	MO	A	C	O/C	M-147-2	C7	LT PI SC SO	AJ Y2 CS CS		CS-12 CS-12	TP-04
Valve Name RCIC Injection Outboard Isol Valve															
2E51-F017	2	C	0.75 x 1	RV	SA	A	C	O	M-147-2	C1	RT	Y10			
Valve Name RCIC Pump Suction Relief Valve															
2E51-F018	2	C	1.5 x 3	RV	SA	A	C	O	M-147-2	F2	RT	Y10			
Valve Name RCIC Lube Oil Cooler Inlet Relief Valve															
2E51-F019	2	A	2	GL	MO	A	C	O/C	M-147-2	B5	LT PI SC SO	AJ Y2 M3 M3			TP-04
Valve Name RCIC Pump Min Flow Isolation Valve															
2E51-F021	2	C	2	CK	SA	A	SYS	O	M-147-2	B4	CCD COD CP	SA SA M3			CWE00-02 CWE00-02
Valve Name RCIC Pump Min Flow Check Valve															
2E51-F022	2	A	4	GL	MO	A	C	C	M-147-2	E6	LT PI SC	AJ Y2 M3			TP-04
Valve Name RCIC Full Flow Test Upstream Valve															
2E51-F025	2	B	2	GL	AO	A	O	C	M-147-1	D6	FC PI SC	M3 Y2 M3			
Valve Name RCIC Steam Supply Drain Pot Upstrm Outlet Valve															

Reactor Core Isolation Cooling (Page 7)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2E51-F026	2	B	2	GL	AO	A	O	C	M-147-1	D6	FC	M3			
											PI	Y2			
											SC	M3			
Valve Name RCIC Steam Supply Drain Pot Dwnst Outlet Valve															
2E51-F028	2	AC	1.25	CK	SA	A	SYS	C	M-147-1	B6	CC	RR		RJ-31	
											CO	M3			
											LT	AJ			TP-04
Valve Name RCIC Cndsr Vacuum Pump Dsch Check Valve															
2E51-F030	2	C	8	CK	SA	A	SYS	O/C	M-147-2	B5	CC	M3			
											CO	RR		RJ-37	
											CP	M3			
Valve Name RCIC Pump Sup Pool Suction Check Valve															
2E51-F031	2	A	8	GA	MO	A	C	O/C	M-147-2	B7	LT	AJ			TP-04
											PI	Y2			
											SC	M3			
											SO	M3			
Valve Name RCIC Pump Sup Pool Suction Isol Valve															
2E51-F040	2	AC	10	CK	SA	A	SYS	O/C	M-147-1	B7	CC	RR		RJ-28	CWE00-02
											CP	M3			
											LT	AJ			TP-04
Valve Name RCIC Turbine Exhaust Check Valve															
2E51-F045	2	B	4	GL	MO	A	C	O	M-147-1	D5	PI	Y2			
											SC	M3			
											SO	M3			
Valve Name RCIC Turbine Steam Supply Stop valve															
2E51-F046	2	B	2	GL	MO	A	C	O	M-147-2	D3	PI	Y2			
											SO	M3			
Valve Name RCIC Turbine Lube Oil Cooler Inlet Valve															
2E51-F047	2	C	2	CK	SA	A	SYS	C	M-147-1	B6	CC	M3			
											CO	M3			
Valve Name RCIC Cndsr Cond Pump Discharge Check Valve															
2E51-F059	2	A	4	GA	MO	A	C	C	M-147-2	E5	LT	AJ			TP-04
											PI	Y2			
											SC	M3			
Valve Name RCIC Full Flow Test Downstream Valve															
2E51-F060	2	N/A	2	GL	M	N/A	O	O/C	M-147-2	A4	SC	M3			
											SO	M3			
Valve Name RCIC Water Leg Pump Cycled CST Suction Valve															

Revision Date: 08/17/01

LaSalle Station  
IST PROGRAM PLAN

Reactor Core Isolation Cooling (Page 8)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2E51-F061	2	C	0.75	CK	SA	A	SYS	O/C	M-147-2	A3	CC	M3			TP-02
											CO	M3			TP-02
Valve Name RCIC Water Leg Pump Discharge Check Valve															
2E51-F063	1	A	10	GA	MO	A	O	O/C	M-147-1	E8	LT	AJ			TP-04
											PI	Y2			
											SC	M3			TP-07
Valve Name RCIC Steam Supply Inboard Isolation Valve															
2E51-F065	1	AC	6	CK	AO	A	SYS	O/C	M-147-2	C7	CC	RR		RJ-29	
											CO	RR		RJ-29	
											LT	Y2			
											PI	Y2			
Valve Name RCIC Injection Otbd Testable Check Valve															
2E51-F066	1	AC	6	CK	AO	A	SYS	O/C	M-147-2	C8	CC	RR		RJ-29	
											CO	RR		RJ-29	
											LT	Y2			
											PI	Y2			
Valve Name RCIC Injection Inbd Testable Check Valve															
2E51-F068	2	A	10	GA	MO	A	O	O/C	M-147-1	B7	LT	AJ			TP-04
											PI	Y2			
											SC	M3			TP-07
Valve Name RCIC Turbine Exhaust Isolation Valve															
2E51-F069	2	A	1.25	GL	MO	A	O	C	M-147-1	B7	LT	AJ			TP-04
											PI	Y2			
											SC	M3			
Valve Name RCIC Cndsr Vacuum Pump Dsch Isolation Valve															
2E51-F076	1	A	1	GL	MO	A	C	C	M-147-1	E8	LT	AJ			TP-04
											PI	Y2			
											SC	M3			
Valve Name RCIC Steam Supply Inbd Isol Bypass/warmup Valve															
2E51-F080	2	A	2	GL	MO	A	O	O/C	M-147-1	C7	LT	AJ			TP-04
											PI	Y2			
											SC	M3			TP-07
Valve Name RCIC Turbine Exhaust Vacuum Bkr Dwnst Isol Valve															
2E51-F082	2	C	2	CK	SA	A	SYS	O/C	M-147-1	C7	CC	RR		RJ-30	
											CO	RR		RJ-30	
Valve Name RCIC Turbine Exhaust Vacuum Bkr Dwnst Check Valve															
2E51-F084	2	C	2	CK	SA	A	SYS	O/C	M-147-1	C7	CC	RR		RJ-30	
											CO	RR		RJ-30	
Valve Name RCIC Turbine Exhaust Vacuum Bkr Upstrm Check Valve															

Revision Date: 08/17/01

Reactor Core Isolation Cooling (Page 9)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2E51-F086	2	A	2	GL	MO	A	O	O/C	M-147-1	C7	LT PI SC	AJ Y2 M3			TP-04  TP-07
Valve Name RCIC Turbine Exhaust Vacuum Bkr Upstrm Isol Valve															
2E51-F357	1	A	2	GA	M	P	LC	C	M-147-1	E8	LT	AJ			TP-04
Valve Name RCIC Steam Supply Main Condenser Return Drain Vlv															
2E51-F360	2	B	3	GA	MO	A	O	O/C	M-147-1	D4	SC SO	M3 M3			EXE00-04 EXE00-04
Valve Name RCIC Turbine Trip/Throttle Valve															
2E51-F362	2	A	4	GA	M	P	LC	C	M-147-2	F7	LT	AJ			TP-04
Valve Name RCIC Full Flow Test Sup Pool Upstrm Return Valve															
2E51-F363	2	A	4	GA	M	P	LC	C	M-147-2	F7	LT	AJ			TP-04
Valve Name RCIC Full Flow Test Sup Pool Dwnst Return Valve															
2E51-F370	2	N/A	2	GL	M	N/A	LC	O/C	M-147-2	A4	SC SO	M3 M3			
Valve Name RCIC Water Leg Pump Sup Pool Suct Valve															



LaSalle Station  
IST PROGRAM PLAN

Reactor Recirculation (Page 1)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1B33-F013A	2	AC	0.75	CK	SA	A	SYS	C	M-93-1	B7	CC CO LT	RR OP AJ		RJ-08	EXE01-01 TP-04
Valve Name A Rx Recirc Pump Seal Purge Supply Inbd Check Vlv															
1B33-F013B	2	AC	0.75	CK	SA	A	SYS	C	M-93-2	B7	CC CO LT	RR OP AJ		RJ-08	EXE01-01 TP-04
Valve Name B Rx Recirc Pump Seal Purge Supply Inbd Check Vlv															
1B33-F017A	2	AC	0.75	CK	SA	A	SYS	C	M-93-1	B7	CC CO LT	RR OP AJ		RJ-08	EXE01-01 TP-04
Valve Name A Rx Recirc Pump Seal Purge Supply Otbd Check Vlv															
1B33-F017B	2	AC	0.75	CK	SA	A	SYS	C	M-93-2	B7	CC CO LT	RR OP AJ		RJ-08	EXE01-01 TP-04
Valve Name B Rx Recirc Pump Seal Purge Supply Otbd Check Vlv															
1B33-F019	2	A	0.75	GL	AO	A	O	C	M-93-2	E6	FC LT PI SC	M3 AJ Y2 M3			TP-04
Valve Name B Rx Recirc Loop Process Sampling Inbd Isol Valve															
1B33-F020	2	A	0.75	GL	AO	A	O	C	M-93-2	E8	FC LT PI SC	M3 AJ Y2 M3			TP-04
Valve Name B Rx Recirc Loop Process Sampling Otbd Isol Valve															
1B33-F301A	2	AC	0.75	XFC	SA	A	SYS	C	M-93-1	D8	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name A Rx Recirc Pump Suct Press RHR Intlk EFV															
1B33-F301B	2	AC	0.75	XFC	SA	A	SYS	C	M-93-2	C8	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name B Rx Recirc Pump Suct Press RHR Intlk EFV															

Revision Date: 08/17/01

Reactor Recirculation (Page 2)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1B33-F305A	2	AC	0.75	XFC	SA	A	SYS	C	M-2093-1	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name A Rx Recirc Pump Flow Hi Side Check Valve															
1B33-F305B	2	AC	0.75	XFC	SA	A	SYS	C	M-2093-1	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name A Rx Recirc Pump Flow Hi Side Check Valve															
1B33-F305C	2	AC	0.75	XFC	SA	A	SYS	C	M-2093-1	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name A Rx Recirc Pump Flow Hi Side Check Valve															
1B33-F305D	2	AC	0.75	XFC	SA	A	SYS	C	M-2093-1	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name A Rx Recirc Pump Flow Lo Side Check Valve															
1B33-F307A	2	AC	0.75	XFC	SA	A	SYS	C	M-2093-1	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name A Rx Recirc Pump Flow Lo Side Check Valve															
1B33-F307B	2	AC	0.75	XFC	SA	A	SYS	C	M-2093-1	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name A Rx Recirc Pump Flow Lo Side Check Valve															
1B33-F307C	2	AC	0.75	XFC	SA	A	SYS	C	M-2093-1	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name A Rx Recirc Pump Flow Lo Side Check Valve															
1B33-F307D	2	AC	0.75	XFC	SA	A	SYS	C	M-2093-1	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name A Rx Recirc Pump Flow Hi Side Check Valve															

Revision Date: 08/17/01

LaSalle Station  
IST PROGRAM PLAN

Reactor Recirculation (Page 3)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1B33-F311A	2	AC	0.75	XFC	SA	A	SYS	C	M-2093-2	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name B Rx Recirc Pump Flow Lo Side Check Valve															
1B33-F311B	2	AC	0.75	XFC	SA	A	SYS	C	M-2093-2	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name B Rx Recirc Pump Flow Lo Side Check Valve															
1B33-F311C	2	AC	0.75	XFC	SA	A	SYS	C	M-2093-2	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name B Rx Recirc Pump Flow Lo Side Check Valve															
1B33-F311D	2	AC	0.75	XFC	SA	A	SYS	C	M-2093-2	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name B Rx Recirc Pump Flow Hi Side Check Valve															
1B33-F313A	2	AC	0.75	XFC	SA	A	SYS	C	M-2093-2	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name B Rx Recirc Pump Flow Hi Side Check Valve															
1B33-F313B	2	AC	0.75	XFC	SA	A	SYS	C	M-2093-2	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name B Rx Recirc Pump Flow Hi Side Check Valve															
1B33-F313C	2	AC	0.75	XFC	SA	A	SYS	C	M-2093-2	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name B Rx Recirc Pump Flow Hi Side Check Valve															
1B33-F313D	2	AC	0.75	XFC	SA	A	SYS	C	M-2093-2	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name B Rx Recirc Pump Flow Lo Side Check Valve															

Revision Date: 08/17/01

Reactor Recirculation (Page 4)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1B33-F315A	2	AC	0.75	XFC	SA	A	SYS	C	M-2093-3	-	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name A Rx Recirc Pump D/p Lo Side Check Valve															
1B33-F315B	2	AC	0.75	XFC	SA	A	SYS	C	M-2093-3	-	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name A Rx Recirc Pump D/p Hi Side Check Valve															
1B33-F315C	2	AC	0.75	XFC	SA	A	SYS	C	M-2093-4	-	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name A Rx Recirc Pump D/p Lo Side Check Valve															
1B33-F315D	2	AC	0.75	XFC	SA	A	SYS	C	M-2093-4	-	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name A Rx Recirc Pump D/p Hi Side Check Valve															
1B33-F317A	2	AC	0.75	XFC	SA	A	SYS	C	M-2093-8	-	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name A Rx Recirc Pump Seal Cav 2 Press Inst CV															
1B33-F317B	2	AC	0.75	XFC	SA	A	SYS	C	M-2093-8	-	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name B Rx Recirc Pump Seal Cav 2 Press Inst CV															
1B33-F319A	2	AC	0.75	XFC	SA	A	SYS	C	M-2093-8	-	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name A Rx Recirc Pump Seal Cav 1 Press Inst CV															
1B33-F319B	2	AC	0.75	XFC	SA	A	SYS	C	M-2093-8	-	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name B Rx Recirc Pump Seal Cav 1 Press Inst CV															

LaSalle Station  
IST PROGRAM PLAN

Reactor Recirculation (Page 5)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1B33-F338A	2	B	0.75	GL	SO	A	O	C	M-93-1	E2	FC PI SC	CS Y2 CS		CS-03  CS-03	
Valve Name A RR Pump Discharge FCV ACT Retract INBD Vlv															
1B33-F338B	2	B	0.75	GL	SO	A	O	C	M-93-2	E2	FC PI SC	CS Y2 CS		CS-03  CS-03	
Valve Name B RR Pump Discharge FCV ACT Retract INBD Vlv															
1B33-F339A	2	B	0.75	GL	SO	A	O	C	M-93-1	E1	FC PI SC	CS Y2 CS		CS-03  CS-03	
Valve Name A RR Pump Discharge FCV ACT Retract OTBD Vlv															
1B33-F339B	2	B	0.75	GL	SO	A	O	C	M-93-2	E1	FC PI SC	CS Y2 CS		CS-03  CS-03	
Valve Name B RR Pump Discharge FCV ACT Retract OTBD Vlv															
1B33-F340A	2	B	0.5	GL	SO	A	O	C	M-93-1	E2	FC PI SC	CS Y2 CS		CS-03  CS-03	
Valve Name A RR Pump Discharge FCV ACT Lockout INBD Vlv															
1B33-F340B	2	B	0.5	GL	SO	A	O	C	M-93-2	D2	FC PI SC	CS Y2 CS		CS-03  CS-03	
Valve Name B RR Pump Discharge FCV ACT Lockout INBD Vlv															
1B33-F341A	2	B	0.5	GL	SO	A	O	C	M-93-1	E1	FC PI SC	CS Y2 CS		CS-03  CS-03	
Valve Name A RR Pump Discharge FCV ACT Lockout OTBD Vlv															
1B33-F341B	2	B	0.5	GL	SO	A	O	C	M-93-2	D1	FC PI SC	CS Y2 CS		CS-03  CS-03	
Valve Name B RR Pump Discharge FCV ACT Lockout OTBD Vlv															
1B33-F342A	2	B	0.5	GL	SO	A	O	C	M-93-1	D2	FC PI SC	CS Y2 CS		CS-03  CS-03	
Valve Name A RR Pump Discharge FCV ACT Seal Return INBD Vlv															
1B33-F342B	2	B	0.5	GL	SO	A	O	C	M-93-2	C2	FC PI SC	CS Y2 CS		CS-03  CS-03	
Valve Name B RR Pump Discharge FCV ACT Seal Return INBD Vlv															

Revision Date: 08/17/01

LaSalle Station  
IST PROGRAM PLAN

Reactor Recirculation (Page 6)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1B33-F343A	2	B	0.5	GL	SO	A	O	C	M-93-1	D1	FC PI SC	CS Y2 CS		CS-03  CS-03	
Valve Name A RR Pump Discharge FCV ACT Seal Return OTBD Vlv															
1B33-F343B	2	B	0.5	GL	SO	A	O	C	M-93-2	C1	FC PI SC	CS Y2 CS		CS-03  CS-03	
Valve Name B RR Pump Discharge FCV ACT Seal Return OTBD Vlv															
1B33-F344A	2	B	0.75	GL	SO	A	O	C	M-93-1	C2	FC PI SC	CS Y2 CS		CS-03  CS-03	
Valve Name A Rx Recirc Pump Dsch FCV Hyd Actuator Inbd Vlv															
1B33-F344B	2	B	0.75	GL	SO	A	O	C	M-93-2	C2	FC PI SC	CS Y2 CS		CS-03  CS-03	
Valve Name B Rx Recirc Pump Dsch FCV Hyd Actuator Inbd Vlv															
1B33-F345A	2	B	0.75	GL	SO	A	O	C	M-93-1	C1	FC PI SC	CS Y2 CS		CS-03  CS-03	
Valve Name A Rx Recirc Pump Dsch FCV Hyd Actuator Otbd Vlv															
1B33-F345B	2	B	0.75	GL	SO	A	O	C	M-93-2	C1	FC PI SC	CS Y2 CS		CS-03  CS-03	
Valve Name B Rx Recirc Pump Dsch FCV Hyd Actuator Otbd Vlv															
1B33-F395	2	AC	0.75	CK	SA	A	SYS	O/C	M-93-2	E6	CC CO LT	RR RR AJ		RJ-36 RJ-36	TP-04
Valve Name Rx Recirc Loop Process Sampling Inbd Bypass Vlv															
2B33-F013A	2	AC	0.75	CK	SA	A	SYS	C	M-139-1	B7	CC CO LT	RR OP AJ		RJ-08	EXE01-01 TP-04
Valve Name A Rx Recirc Pump Seal Purge Supply Inbd Check Vlv															
2B33-F013B	2	AC	0.75	CK	SA	A	SYS	C	M-139-2	B7	CC CO LT	RR OP AJ		RJ-08	EXE01-01 TP-04
Valve Name B Rx Recirc Pump Seal Purge Supply Inbd Check Vlv															
2B33-F017A	2	AC	0.75	CK	SA	A	SYS	C	M-139-1	B7	CC CO LT	RR OP AJ		RJ-08	EXE01-01 TP-04
Valve Name A Rx Recirc Pump Seal Purge Supply Otbd Check Vlv															

Revision Date: 08/17/01

LaSalle Station  
IST PROGRAM PLAN

Reactor Recirculation (Page 7)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2B33-F017B	2	AC	0.75	CK	SA	A	SYS	C	M-139-2	B7	CC CO LT	RR OP AJ		RJ-08	EXE01-01 TP-04
Valve Name B Rx Recirc Pump Seal Purge Supply Otbd Check Vlv															
2B33-F019	2	A	0.75	GL	AO	A	O	C	M-139-2	E6	FC LT PI SC	M3 AJ Y2 M3			TP-04
Valve Name B Rx Recirc Loop Process Sampling Inbd Isol Valve															
2B33-F020	2	A	0.75	GL	AO	A	O	C	M-139-2	E8	FC LT PI SC	M3 AJ Y2 M3			TP-04
Valve Name B Rx Recirc Loop Process Sampling Otbd Isol Valve															
2B33-F301A	2	AC	0.75	XFC	SA	A	SYS	C	M-139-1	D8	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name A Rx Recirc Pump Suct Press RHR Intlk EFV															
2B33-F301B	2	AC	0.75	XFC	SA	A	SYS	C	M-139-2	D8	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name B Rx Recirc Pump Suct Press RHR Intlk EFV															
2B33-F305A	2	AC	0.75	XFC	SA	A	SYS	C	M-2139-1	-	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name A Rx Recirc Pump Flow Hi Side Check Valve															
2B33-F305B	2	AC	0.75	XFC	SA	A	SYS	C	M-2139-1	-	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name A Rx Recirc Pump Flow Hi Side Check Valve															
2B33-F305C	2	AC	0.75	XFC	SA	A	SYS	C	M-2139-1	-	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name A Rx Recirc Pump Flow Hi Side Check Valve															

Revision Date: 08/17/01

Reactor Recirculation (Page 8)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2B33-F305D	2	AC	0.75	XFC	SA	A	SYS	C	M-2139-1	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name A Rx Recirc Pump Flow Lo Side Check Valve															
2B33-F307A	2	AC	0.75	XFC	SA	A	SYS	C	M-2139-1	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name A Rx Recirc Pump Flow Lo Side Check Valve															
2B33-F307B	2	AC	0.75	XFC	SA	A	SYS	C	M-2139-1	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name A Rx Recirc Pump Flow Lo Side Check Valve															
2B33-F307C	2	AC	0.75	XFC	SA	A	SYS	C	M-2139-1	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name A Rx Recirc Pump Flow Lo Side Check Valve															
2B33-F307D	2	AC	0.75	XFC	SA	A	SYS	C	M-2139-1	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name A Rx Recirc Pump Flow Hi Side Check Valve															
2B33-F311A	2	AC	0.75	XFC	SA	A	SYS	C	M-2139-2	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name B Rx Recirc Pump Flow Lo Side Check Valve															
2B33-F311B	2	AC	0.75	XFC	SA	A	SYS	C	M-2139-2	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name B Rx Recirc Pump Flow Lo Side Check Valve															
2B33-F311C	2	AC	0.75	XFC	SA	A	SYS	C	M-2139-2	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name B Rx Recirc Pump Flow Lo Side Check Valve															



Reactor Recirculation (Page 9)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2B33-F311D	2	AC	0.75	XFC	SA	A	SYS	C	M-2139-2	-	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name B Rx Recirc Pump Flow Hi Side Check Valve															
2B33-F313A	2	AC	0.75	XFC	SA	A	SYS	C	M-2139-2	-	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name B Rx Recirc Pump Flow Hi Side Check Valve															
2B33-F313B	2	AC	0.75	XFC	SA	A	SYS	C	M-2139-2	-	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name B Rx Recirc Pump Flow Hi Side Check Valve															
2B33-F313C	2	AC	0.75	XFC	SA	A	SYS	C	M-2139-2	-	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name B Rx Recirc Pump Flow Hi Side Check Valve															
2B33-F313D	2	AC	0.75	XFC	SA	A	SYS	C	M-2139-2	-	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name B Rx Recirc Pump Flow Lo Side Check Valve															
2B33-F315A	2	AC	0.75	XFC	SA	A	SYS	C	M-2139-3	-	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name A Rx Recirc Pump D/p Lo Side Check Valve															
2B33-F315B	2	AC	0.75	XFC	SA	A	SYS	C	M-2139-3	-	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name A Rx Recirc Pump D/p Hi Side Check Valve															
2B33-F315C	2	AC	0.75	XFC	SA	A	SYS	C	M-2139-4	-	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name A Rx Recirc Pump D/p Lo Side Check Valve															

LaSalle Station  
IST PROGRAM PLAN

Reactor Recirculation (Page 10)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2B33-F315D	2	AC	0.75	XFC	SA	A	SYS	C	M-2139-4	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name A Rx Recirc Pump D/p Hi Side Check Valve															
2B33-F317A	2	AC	0.75	XFC	SA	A	SYS	C	M-2139-8	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name A Rx Recirc Pump Seal Cav 2 Press Inst CV															
2B33-F317B	2	AC	0.75	XFC	SA	A	SYS	C	M-2139-8	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name B Rx Recirc Pump Seal Cav 2 Press Inst CV															
2B33-F319A	2	AC	0.75	XFC	SA	A	SYS	C	M-2139-8	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name A Rx Recirc Pump Seal Cav 1 Press Inst CV															
2B33-F319B	2	AC	0.75	XFC	SA	A	SYS	C	M-2139-8	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			
Valve Name B Rx Recirc Pump Seal Cav 1 Press Inst CV															
2B33-F338A	2	B	0.75	GL	SO	A	O	C	M-139-1	E2	FC	CS		CS-03	
											PI	Y2			
											SC	CS		CS-03	
Valve Name A Rx Recirc Pump Dsch FCV Hyd Actuator Inbd Vlv															
2B33-F338B	2	B	0.75	GL	SO	A	O	C	M-139-2	E2	FC	CS		CS-03	
											PI	Y2			
											SC	CS		CS-03	
Valve Name B Rx Recirc Pump Dsch FCV Hyd Actuator Inbd Vlv															
2B33-F339A	2	B	0.75	GL	SO	A	O	C	M-139-1	E1	FC	CS		CS-03	
											PI	Y2			
											SC	CS		CS-03	
Valve Name A Rx Recirc Pump Dsch FCV Hyd Actuator Otbd Vlv															

Reactor Recirculation (Page 11)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2B33-F339B	2	B	0.75	GL	SO	A	O	C	M-139-2	E1	FC PI SC	CS Y2 CS		CS-03  CS-03	
Valve Name B Rx Recirc Pump Dsch FCV Hyd Actuator Otbd Vlv															
2B33-F340A	2	B	0.5	GL	SO	A	O	C	M-139-1	E2	FC PI SC	CS Y2 CS		CS-03  CS-03	
Valve Name A Rx Recirc Pump Dsch FCV Hyd Act Lockout Inbd Vlv															
2B33-F340B	2	B	0.5	GL	SO	A	O	C	M-139-2	D2	FC PI SC	CS Y2 CS		CS-03  CS-03	
Valve Name B Rx Recirc Pump Dsch FCV Hyd Act Lockout Inbd Vlv															
2B33-F341A	2	B	0.5	GL	SO	A	O	C	M-139-1	E1	FC PI SC	CS Y2 CS		CS-03  CS-03	
Valve Name A Rx Recirc Pump Dsch FCV Hyd Act Lockout Otbd Vlv															
2B33-F341B	2	B	0.5	GL	SO	A	O	C	M-139-2	D1	FC PI SC	CS Y2 CS		CS-03  CS-03	
Valve Name B Rx Recirc Pump Dsch FCV Hyd Act Lockout Otbd Vlv															
2B33-F342A	2	B	0.5	GL	SO	A	O	C	M-139-1	D2	FC PI SC	CS Y2 CS		CS-03  CS-03	
Valve Name A Rx Recirc Pump Dsch FCV Hyd Actuator Inbd Isol V															
2B33-F342B	2	B	0.5	GL	SO	A	O	C	M-139-2	C2	FC PI SC	CS Y2 CS		CS-03  CS-03	
Valve Name B Rx Recirc Pump Dsch FCV Hyd Actuator Inbd Vlv															
2B33-F343A	2	B	0.5	GL	SO	A	O	C	M-139-1	D1	FC PI SC	CS Y2 CS		CS-03  CS-03	
Valve Name A Rx Recirc Pump Dsch FCV Hyd Actuator Otbd Vlv															
2B33-F343B	2	B	0.5	GL	SO	A	O	C	M-139-2	C1	FC PI SC	CS Y2 CS		CS-03  CS-03	
Valve Name B Rx Recirc Pump Dsch FCV Hyd Actuator Otbd Vlv															
2B33-F344A	2	B	0.75	GL	SO	A	O	C	M-139-1	C2	FC PI SC	CS Y2 CS		CS-03  CS-03	
Valve Name A Rx Recirc Pump Dsch FCV Hyd Actuator Inbd Vlv															

Revision Date: 08/17/01

LaSalle Station  
IST PROGRAM PLAN

Reactor Recirculation (Page 12)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2B33-F344B	2	B	0.75	GL	SO	A	O	C	M-139-2	C2	FC PI SC	CS Y2 CS		CS-03  CS-03	
Valve Name B Rx Recirc Pump Dsch FCV Hyd Actuator Inbd Vlv															
2B33-F345A	2	B	0.75	GL	SO	A	O	C	M-139-1	C1	FC PI SC	M3 Y2 M3		CS-03  CS-03	
Valve Name A Rx Recirc Pump Dsch FCV Hyd Actuator Otbd Vlv															
2B33-F345B	2	B	0.75	GL	SO	A	O	C	M-139-2	C1	FC PI SC	M3 Y2 M3		CS-03  CS-03	
Valve Name B Rx Recirc Pump Dsch FCV Hyd Actuator Otbd Vlv															
2B33-F395	2	AC	0.75	CK	SA	A	SYS	O/C	M-139-2	E7	CC CO LT	RR RR AJ		RJ-36 RJ-36	TP-04
Valve Name Rx Recirc Loop Process Sampling Inbd Bypass Vlv															

Revision Date: 08/17/01

Reactor Water Cleanup (Page 1)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1G33-F001	1	A	6	GA	MO	A	O	C	M-97-1	E8	LT PI SC	AJ Y2 CS		CS-05	TP-04
Valve Name RWCU Inboard Isolation Valve															
1G33-F004	1	A	6	GA	MO	A	O	C	M-97-1	E7	LT PI SC	AJ Y2 CS		CS-05	TP-04
Valve Name RWCU Outboard Isolation Valve															
1G33-F040	2	A	4	GA	MO	A	O	C	M-97-1	F4	LT PI SC	AJ Y2 CS		CS-05	TP-04
Valve Name RWCU Return To Feedwater Stop Valve															
1G33-F309	2	AC	0.75	XFC	SA	A	SYS	C	M-2097-1	-	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name Rx Vsl Bottom Head Dm Excess Flow Check Valve															
1G33-F312A	2	C	0.75	XFC	SA	A	SYS	C	M-2097-2	-	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name RWCU Sys Init Lo Side Excess Flow Check Valve															
1G33-F312B	2	C	0.75	XFC	SA	A	SYS	C	M-2097-2	-	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name RWCU Sys Init Hi Side Excess Flow Check Valve															
2G33-F001	1	A	6	GA	MO	A	O	C	M-143-1	E8	LT PI SC	AJ Y2 CS		CS-05	TP-04
Valve Name RWCU Inboard Isolation Valve															
2G33-F004	1	A	6	GA	MO	A	O	C	M-143-1	E7	LT PI SC	AJ Y2 CS		CS-05	TP-04
Valve Name RWCU Outboard Isolation Valve															
2G33-F040	2	A	4	GA	MO	A	O	C	M-143-1	F4	LT PI SC	AJ Y2 CS		CS-05	TP-04
Valve Name RWCU Return To Feedwater Stop Valve															

Revision Date: 08/17/01

LaSalle Station  
IST PROGRAM PLAN

Reactor Water Cleanup (Page 2)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2G33-F309	2	AC	0.75	XFC	SA	A	SYS	C	M-2143-1	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			

Valve Name Rx Vsl Bottom Head Dm Excess Flow Check Valve

2G33-F312A	2	C	0.75	XFC	SA	A	SYS	C	M-2143-2	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			

Valve Name RWCU Sys Init Lo Side Excess Flow Check Valve

2G33-F312B	2	C	0.75	XFC	SA	A	SYS	C	M-2143-2	-	CC	RR		RJ-11	
											CO	OP			EXE01-01
											LT	Y10			EXE98-02
											PI	Y2			

Valve Name RWCU Sys Init Hi Side Excess Flow Check Valve

Revision Date: 08/17/01

Standby Liquid Control (Page 1)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1C41-F001A	2	B	3	GL	MO	A	C	O	M-99	C2	PI SO	Y2 M3			
Valve Name SBLC Storage Tank A Outlet Valve															
1C41-F001B	2	B	3	GL	MO	A	C	O	M-99	B2	PI SO	Y2 M3			
Valve Name SBLC Storage Tank B Outlet Valve															
1C41-F004A	1	AD	1.5	SHR	EXP	A	C	O/C	M-99	C5	DT	S2			
Valve Name A SBLC Injection Squib Valve															
1C41-F004B	1	AD	1.5	SHR	EXP	A	C	O/C	M-99	B5	DT	S2			
Valve Name B SBLC Injection Squib Valve															
1C41-F006	1	C	1.5	CK	SA	A	SYS	O/C	M-99	D6	CC CO	CM RR		RJ-26 RJ-26	
Valve Name SBLC Injection Line Outboard Check Valve															
1C41-F007	1	AC	1.5	CK	SA	A	SYS	O/C	M-99	D7	CC CO	CM RR		RJ-26 RJ-26	
Valve Name SBLC Injection Line Inboard Check Valve															
1C41-F008	1	B	1.5	GA	M	P	LO	O	M-99	D7	PI	Y2			
Valve Name SBLC Injection Line Manual Stop Valve															
1C41-F029A	2	C	.75 x 1	RV	SA	A	C	O/C	M-99	D4	RT	Y10			
Valve Name A SBLC Pump Discharge Relief Valve															
1C41-F029B	2	C	.75 x 1	RV	SA	A	C	O/C	M-99	C4	RT	Y10			
Valve Name B SBLC Pump Discharge Relief Valve															
1C41-F031	2	B	3	GL	M	P	LC	C	M-99	E3	PI	Y2			
Valve Name SBLC Test Tank Outlet Valve															
1C41-F033A	2	C	1.5	CK	SA	A	SYS	O/C	M-99	C4	CC CO	M3 M3			
Valve Name A SBLC Pump Discharge Check Valve															
1C41-F033B	2	C	1.5	CK	SA	A	SYS	O/C	M-99	B4	CC CO	M3 M3			
Valve Name B SBLC Pump Discharge Check Valve															
2C41-F001A	2	B	3	GL	MO	A	C	O	M-145	C3	PI SO	Y2 M3			
Valve Name SBLC Storage Tank A Outlet Valve															
2C41-F001B	2	B	3	GL	MO	A	C	O	M-145	B3	PI SO	Y2 M3			
Valve Name SBLC Storage Tank B Outlet Valve															
2C41-F004A	1	AD	1.5	SHR	EXP	A	C	O/C	M-145	C5	DT	S2			
Valve Name A SBLC Injection Squib Valve															

Revision Date: 08/17/01

Standby Liquid Control (Page 2)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2C41-F004B	1	AD	1.5	SHR	EXP	A	C	O/C	M-145	B5	DT	S2			
Valve Name B SBLC Injection Squib Valve															
2C41-F006	1	C	1.5	CK	SA	A	SYS	O/C	M-145	D6	CC CO	CM RR		RJ-26 RJ-26	
Valve Name SBLC Injection Line Outboard Check Valve															
2C41-F007	1	AC	1.5	CK	SA	A	SYS	O/C	M-145	D7	CC CO	CM RR		RJ-26 RJ-26	
Valve Name SBLC Injection Line Inboard Check Valve															
2C41-F008	1	B	1.5	GA	M	P	LO	O	M-145	D7	PI	Y2			
Valve Name SBLC Injection Line Manual Stop Valve															
2C41-F029A	2	C	.75 x 1	RV	SA	A	C	O/C	M-145	D4	RT	Y10			
Valve Name A SBLC Pump Discharge Relief Valve															
2C41-F029B	2	C	.75 x 1	RV	SA	A	C	O/C	M-145	C4	RT	Y10			
Valve Name B SBLC Pump Discharge Relief Valve															
2C41-F031	2	B	3	GL	M	P	LC	C	M-145	E3	PI	Y2			
Valve Name SBLC Test Tank Outlet Valve															
2C41-F033A	2	C	1.5	CK	SA	A	SYS	O/C	M-145	C4	CC CO	M3 M3			
Valve Name A SBLC Pump Discharge Check Valve															
2C41-F033B	2	C	1.5	CK	SA	A	SYS	O/C	M-145	B4	CC CO	M3 M3			
Valve Name B SBLC Pump Discharge Check Valve															



LaSalle Station  
IST PROGRAM PLAN

Standby Gas Treatment (Page 1)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1VG001	NC	B	20	BTF	MO	A	C	O/C	M-89	A7	PI SO	Y2 M3			TP-07
Valve Name SBTG Equipment Train Inlet Damper															
1VG003	3	B	20	BTF	MO	A	C	O/C	M-89	C2	PI SO	Y2 M3			TP-07
Valve Name SBTG Equipment Train Outlet Damper															
2VG001	NC	B	20	BTF	MO	A	C	O/C	M-89	E7	PI SO	Y2 M3			TP-07
Valve Name SBTG Equipment Train Inlet Damper															
2VG003	3	B	20	BTF	MO	A	C	O/C	M-89	E2	PI SO	Y2 M3			TP-07
Valve Name SBTG Equipment Train Outlet Damper															
2VG024A	3	C	0.75	CK	SA	A	SYS	C	M-89	E1	CCD COD OPR	SA SA			CWE00-02 CWE00-02
Valve Name SBTG Service Air Inlet Downstream Check Valve															
2VG025A	3	C	0.75	CK	SA	A	SYS	C	M-89	E1	CCD COD OPR	SA SA			CWE00-02 CWE00-02
Valve Name SBTG Service Air Inlet Upstream Check Valve															

Revision Date: August 17, 2001

Primary Containment Chilled Water (Page 1)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1VP053A	2	A	8	GA	MO	A	SYS	C	M-86-1	E2	LT PI SC	AJ Y2 M3			TP-04
Valve Name A DW Cooler Outlet Otbd Isol Valve															
1VP053B	2	A	8	GA	MO	A	SYS	C	M-86-1	C2	LT PI SC	AJ Y2 M3			TP-04
Valve Name B DW Cooler Outlet Otbd Isol Valve															
1VP063A	2	A	8	GA	MO	A	SYS	C	M-86-1	D2	LT PI SC	AJ Y2 M3			TP-04
Valve Name A DW Cooler Inlet Otbd Isol Valve															
1VP063B	2	A	8	GA	MO	A	SYS	C	M-86-1	B2	LT PI SC	AJ Y2 M3			TP-04
Valve Name B DW Cooler Inlet Otbd Isol Valve															
1VP113A	2	A	8	BTF	MO	A	SYS	C	M-86-1	D2	LT PI SC	AJ Y2 M3			TP-04
Valve Name A DW Cooler Inlet Inbd Isol Valve															
1VP113B	2	A	8	BTF	MO	A	SYS	C	M-86-1	B2	LT PI SC	AJ Y2 M3			TP-04
Valve Name B DW Cooler Inlet Inbd Isol Valve															
1VP114A	2	A	8	BTF	MO	A	SYS	C	M-86-1	E2	LT PI SC	AJ Y2 M3			TP-04
Valve Name A DW Cooler Outlet Inbd Isol Valve															
1VP114B	2	A	8	BTF	MO	A	SYS	C	M-86-1	C2	LT PI SC	AJ Y2 M3			TP-04
Valve Name B DW Cooler Outlet Inbd Isol Valve															
1VP197A	2	AC	0.75	RV	SA	A	C	O/C	M-86-1	F1	LT RT	AJ Y10			TP-04
Valve Name A DW Cooler Outlet Relief Valve															
1VP197B	2	AC	0.75	RV	SA	A	C	O/C	M-86-1	B2	LT RT	AJ Y10			TP-04
Valve Name B DW Cooler Outlet Relief Valve															

Revision Date: 08/17/01

Primary Containment Chilled Water (Page 2)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1VP198A	2	AC	0.75	RV	SA	A	C	O/C	M-86-1	D2	LT RT	AJ Y10			TP-04
Valve Name A DW Cooler Inlet Relief Valve															
1VP198B	2	AC	0.75	RV	SA	A	C	O/C	M-86-1	A2	LT RT	AJ Y10			TP-04
Valve Name B DW Cooler Inlet Relief Valve															
2VP053A	2	A	8	GA	MO	A	SYS	C	M-133-1	E2	LT PI SC	AJ Y2 M3			TP-04
Valve Name A DW Cooler Outlet Otbd Isol Valve															
2VP053B	2	A	8	GA	MO	A	SYS	C	M-133-1	C2	LT PI SC	AJ Y2 M3			TP-04
Valve Name B DW Cooler Outlet Otbd Isol Valve															
2VP063A	2	A	8	GA	MO	A	SYS	C	M-133-1	D2	LT PI SC	AJ Y2 M3			TP-04
Valve Name A DW Cooler Inlet Otbd Isol Valve															
VP063B	2	A	8	GA	MO	A	SYS	C	M-133-1	B2	LT PI SC	AJ Y2 M3			TP-04
Valve Name B DW Cooler Inlet Otbd Isol Valve															
2VP113A	2	A	8	BTF	MO	A	SYS	C	M-133-1	D2	LT PI SC	AJ Y2 M3			TP-04
Valve Name A DW Cooler Inlet Inbd Isol Valve															
2VP113B	2	A	8	BTF	MO	A	SYS	C	M-133-1	B2	LT PI SC	AJ Y2 M3			TP-04
Valve Name B DW Cooler Inlet Inbd Isol Valve															
2VP114A	2	A	8	BTF	MO	A	SYS	C	M-133-1	E2	LT PI SC	AJ Y2 M3			TP-04
Valve Name A DW Cooler Outlet Inbd Isol Valve															
2VP114B	2	A	8	BTF	MO	A	SYS	C	M-133-1	C2	LT PI SC	AJ Y2 M3			TP-04
Valve Name B DW Cooler Outlet Inbd Isol Valve															

Primary Containment Chilled Water (Page 3)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2VP197A	2	AC	0.75	RV	SA	A	C	O/C	M-133-1	F1	LT RT	AJ Y10			TP-04
Valve Name A DW Cooler Outlet Relief Valve															
2VP197B	2	AC	0.75	RV	SA	A	C	O/C	M-133-1	A5	LT RT	AJ Y10			TP-04
Valve Name B DW Cooler Outlet Relief Valve															
2VP198A	2	AC	0.75	RV	SA	A	C	O/C	M-133-1	A5	LT RT	AJ Y10			TP-04
Valve Name A DW Cooler Inlet Relief Valve															
2VP198B	2	AC	0.75	RV	SA	A	C	O/C	M-133-1	A2	LT RT	AJ Y10			TP-04
Valve Name B DW Cooler Inlet Relief Valve															

LaSalle Station  
IST PROGRAM PLAN

Primary Containment Purge (Page 1)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1VQ026	2	A	26	BTF	AO	A	C	C	M-92-1	C2	FC	M3			
											LT	AJ			TP-04
											PI	Y2			
											SC	M3			
Valve Name Suppression Chamber Vent/Purge Inlet Upstream Isol															
1VQ027	2	A	26	BTF	AO	A	C	C	M-92-1	C3	FC	M3			
											LT	AJ			TP-04
											PI	Y2			
											SC	M3			
Valve Name Suppression Chamber Vent/Purge Inlet Downstrm Isol															
1VQ029	2	A	26	BTF	AO	A	C	C	M-92-1	D2	FC	M3			
											LT	AJ			TP-04
											PI	Y2			
											SC	M3			
Valve Name D/W Vent/Purge Inlet Upstream Isolation															
1VQ030	2	A	26	BTF	AO	A	C	C	M-92-1	D3	FC	M3			
											LT	AJ			TP-04
											PI	Y2			
											SC	M3			
Valve Name D/W Vent/Purge Inlet Downstream Isolation															
1VQ031	2	A	26	BTF	AO	A	C	C	M-92-1	C7	FC	M3			
											LT	AJ			TP-04
											PI	Y2			
											SC	M3			
Valve Name Suppression Chamber Vent/Purge Upstream Isolation															
1VQ032	2	A	2	GL	MO	A	C	C	M-92-1	C7	LT	AJ			TP-04
											PI	Y2			
											SC	M3			
Valve Name Supp Chamber Vent/Purge Outlet Upstrm Isol Bypass															
1VQ034	2	A	26	BTF	AO	A	C	C	M-92-1	E6	FC	M3			
											LT	AJ			TP-04
											PI	Y2			
											SC	M3			
Valve Name D/W Vent/Purge Upstream Outlet Isolation															
1VQ035	2	A	2	GL	MO	A	C	C	M-92-1	E6	LT	AJ			TP-04
											PI	Y2			
											SC	M3			
Valve Name D/W Vent/Purge Upstream Outlet Isolation Bypass															

Revision Date: 08/17/01

LaSalle Station  
IST PROGRAM PLAN

Primary Containment Purge (Page 2)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1VQ036	2	A	26	BTF	AO	A	C	C	M-92-1	E7	FC LT PI SC	M3 AJ Y2 M3			TP-04
Valve Name D/W Vent/Purge Outlet Downstream Isolation															
1VQ037	NC	B	26	BTF	MO	A	C	C	M-92-1	B8	PI SC	Y2 M3			
Valve Name Primary Contain Purge Air Filter Unit Upstrm Isol															
1VQ038	NC	B	26	BTF	MO	A	C	C	M-92-1	B7	PI SC	Y2 M3			
Valve Name Primary Contain Purge Air Filter Unit Dwnstrm Isol															
1VQ040	2	A	26	BTF	AO	A	C	C	M-92-1	C8	FC LT PI SC	M3 AJ Y2 M3			TP-04
Valve Name Supp Chamber Vent/Purge Outlet Downstream Isol															
1VQ042	2	A	8	BTF	AO	A	C	C	M-92-1	D2	FC LT PI SC	M3 AJ Y2 M3			TP-04
Valve Name Dw N2 Inerting Supply Valve															
1VQ043	2	A	8	BTF	AO	A	C	C	M-92-1	C2	FC LT PI SC	M3 AJ Y2 M3			TP-04
Valve Name Sup Chbr N2 Inerting Supply Valve															
1VQ047	2	A	1.5	GL	MO	A	O	C	M-92-1	D3	LT PI SC	AJ Y2 M3			TP-04
Valve Name Dw N2 Makeup Dwnst Isol Valve															
1VQ048	2	A	1.5	GL	MO	A	O	C	M-92-1	D3	LT PI SC	AJ Y2 M3			TP-04
Valve Name Dw N2 Makeup Upstrm Isol Valve															
1VQ050	2	A	1.5	GL	MO	A	O	C	M-92-1	C3	LT PI SC	AJ Y2 M3			TP-04
Valve Name Sup Chbr N2 Makeup Dwnst Isol Valve															

Revision Date: 08/17/01

LaSalle Station  
IST PROGRAM PLAN

Primary Containment Purge (Page 3)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1VQ051	2	A	1.5	GL	MO	A	O	C	M-92-1	C3	LT PI SC	AJ Y2 M3			TP-04
Valve Name Sup Chbr N2 Makeup Upstrm Isol Valve															
1VQ061	2	AC	0.75	XFC	SA	A	SYS	C	M-92-1	E4	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name Pri Cnmt Press Inst Hdr Excess Flow Check Valve															
1VQ068	2	A	2	GL	MO	A	C	C	M-92-1	E7	LT PI SC	AJ Y2 M3			TP-04
Valve Name DW Vent/purge Outlet Dwnst Isol Byp Valve															
2VQ026	2	A	26	BTF	AO	A	C	C	M-138-1	C2	FC LT PI SC	M3 AJ Y2 M3			TP-04
Valve Name Suppression Chamber Vent/Purge Inlet Upstream Isol															
2VQ027	2	A	26	BTF	AO	A	C	C	M-138-1	C3	FC LT PI SC	M3 AJ Y2 M3			TP-04
Valve Name Suppression Chamber Vent/Purge Inlet Downstrm Isol															
2VQ029	2	A	26	BTF	AO	A	C	C	M-138-1	D2	FC LT PI SC	M3 AJ Y2 M3			TP-04
Valve Name D/W Vent/Purge Inlet Upstream Isolation															
2VQ030	2	A	26	BTF	AO	A	C	C	M-138-1	D3	FC LT PI SC	M3 AJ Y2 M3			TP-04
Valve Name D/W Vent/Purge Inlet Downstream Isolation															
2VQ031	2	A	26	BTF	AO	A	C	C	M-138-1	C7	FC LT PI SC	M3 AJ Y2 M3			TP-04
Valve Name Suppression Chamber Vent/Purge Upstream Isolation															

Revision Date: 08/17/01

Primary Containment Purge (Page 4)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2VQ032	2	A	2	GL	MO	A	C	C	M-138-1	C7	LT PI SC	AJ Y2 M3			TP-04
Valve Name Supp Chamber Vent/Purge Outlet Upstrm Isol Bypass															
2VQ034	2	A	26	BTF	AO	A	C	C	M-138-1	E6	FC LT PI SC	M3 AJ Y2 M3			TP-04
Valve Name D/W Vent/Purge Upstream Outlet Isolation															
2VQ035	2	A	2	GL	MO	A	C	C	M-138-1	E6	LT PI SC	AJ Y2 M3			TP-04
Valve Name D/W Vent/Purge Upstream Outlet Isolation Bypass															
2VQ036	2	A	26	BTF	AO	A	C	C	M-138-1	E7	FC LT PI SC	M3 AJ Y2 M3			TP-04
Valve Name D/W Vent/Purge Outlet Downstream Isolation															
2VQ037	NC	B	26	BTF	MO	A	C	C	M-138-1	B8	PI SC	Y2 M3			
Valve Name Primary Contain Purge Air Filter Unit Upstrm Isol															
2VQ038	NC	B	26	BTF	MO	A	C	C	M-138-1	B7	PI SC	Y2 M3			
Valve Name Primary Contain Purge Air Filter Unit Dwnstrm Isol															
2VQ040	2	A	26	BTF	AO	A	C	C	M-138-1	C8	FC LT PI SC	M3 AJ Y2 M3			TP-04
Valve Name Supp Chamber Vent/Purge Outlet Downstream Isol															
2VQ042	2	A	8	BTF	AO	A	C	C	M-138-1	D2	FC LT PI SC	M3 AJ Y2 M3			TP-04
Valve Name Dw N2 Inerting Supply Valve															
2VQ043	2	A	8	BTF	AO	A	C	C	M-138-1	C2	FC LT PI SC	M3 AJ Y2 M3			TP-04
Valve Name Sup Chbr N2 Inerting Supply Valve															

Revision Date: 08/17/01



Primary Containment Purge (Page 5)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2VQ047	2	A	1.5	GL	MO	A	O	C	M-138-1	D3	LT PI SC	AJ Y2 M3			TP-04
Valve Name Dw N2 Makeup Dwnst Isol Valve															
2VQ048	2	A	1.5	GL	MO	A	O	C	M-138-1	D3	LT PI SC	AJ Y2 M3			TP-04
Valve Name Dw N2 Makeup Upstrm Isol Valve															
2VQ050	2	A	1.5	GL	MO	A	O	C	M-138-1	C3	LT PI SC	AJ Y2 M3			TP-04
Valve Name Sup Chbr N2 Makeup Dwnst Isol Valve															
2VQ051	2	A	1.5	GL	MO	A	O	C	M-138-1	C3	LT PI SC	AJ Y2 M3			TP-04
Valve Name Sup Chbr N2 Makeup Upstrm Isol Valve															
2VQ061	2	AC	0.75	XFC	SA	A	SYS	C	M-138-1	E4	CC CO LT PI	RR OP Y10 Y2		RJ-11	EXE01-01 EXE98-02
Valve Name Pri Cnmt Press Inst Hdr Excess Flow Check Valve															
2VQ068	2	A	2	GL	MO	A	C	C	M-138-1	E7	LT PI SC	AJ Y2 M3			TP-04
Valve Name DW Vent/Purge Outlet Dwnst Isol Byp Valve															

Reactor Building Closed Cooling Water (Page 1)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
1WR029	2	A	6	GA	MO	A	O	C	M-90-2	B7	LT PI SC	AJ Y2 CS		CS-01	TP-04
Valve Name RBCCW Supply Outboard Isolation Valve															
1WR040	2	A	6	GA	MO	A	O	C	M-90-2	B4	LT PI SC	AJ Y2 CS		CS-01	TP-04
Valve Name RBCCW Return Outboard Isolation Valve															
1WR179	2	A	6	GA	MO	A	O	C	M-90-2	B7	LT PI SC	AJ Y2 CS		CS-01	TP-04
Valve Name RBCCW Supply Inboard Isolation Valve															
1WR180	2	A	6	GA	MO	A	O	C	M-90-2	B4	LT PI SC	AJ Y2 CS		CS-01	TP-04
Valve Name RBCCW Return Inboard Isolation Valve															
1WR225	2	AC	.75 x 1	RV	SA	A	C	O/C	M-90-2	B7	LT RT	AJ Y10			TP-04
Valve Name DW Equip RBCCW Supply Relief Valve															
1WR226	2	AC	.75 x 1	RV	SA	A	C	O/C	M-90-2	B4	LT RT	AJ Y10			TP-04
Valve Name DW Equip RBCCW Return Relief Valve															
2WR029	2	A	6	GA	MO	A	O	C	M-136-2	B7	LT PI SC	AJ Y2 CS		CS-01	TP-04
Valve Name RBCCW Supply Outboard Isolation Valve															
2WR040	2	A	6	GA	MO	A	O	C	M-136-2	B4	LT PI SC	AJ Y2 CS		CS-01	TP-04
Valve Name RBCCW Return Outboard Isolation Valve															
2WR179	2	A	6	GA	MO	A	O	C	M-136-2	B7	LT PI SC	AJ Y2 CS		CS-01	TP-04
Valve Name RBCCW Supply Inboard Isolation Valve															
2WR180	2	A	6	GA	MO	A	O	C	M-136-2	B4	LT PI SC	AJ Y2 CS		CS-01	TP-04
Valve Name RBCCW Return Inboard Isolation Valve															

Revision Date: 08/17/01

LaSalle Station  
IST PROGRAM PLAN

Reactor Building Closed Cooling Water (Page 2)

Valve EPN	Safety Class	Category	Size	Valve Type	Act. Type	Active / Passive	Normal Position	Safety Position	P&ID	P&ID Coord.	Test Type	Test Freq.	Relief Request	Deferred Just.	Tech. Pos.
2WR225	2	AC	.75 x 1	RV	SA	A	C	O/C	M-136-2	B8	LT RT	AJ Y10			TP-04
Valve Name DW Equip RBCCW Supply Relief Valve															
2WR226	2	AC	.75 x 1	RV	SA	A	C	O/C	M-136-2	B4	LT RT	AJ Y10			TP-04
Valve Name DW Equip RBCCW Return Relief Valve															

Revision Date: 08/17/01