

## APPENDIX D

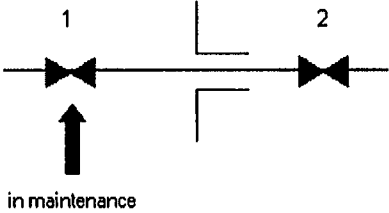
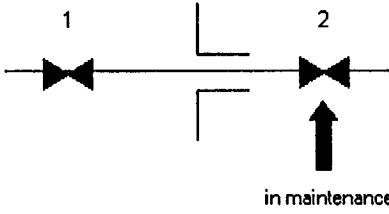
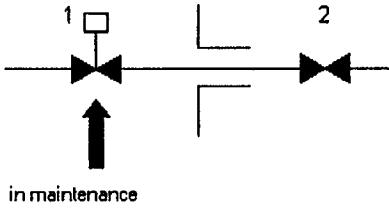
### TECHNICAL SPECIFICATION CATEGORY IDENTIFICATION

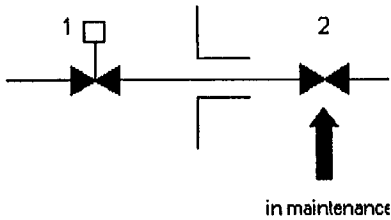
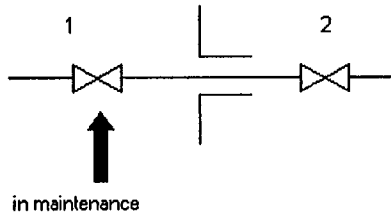
Table D-1: Penetration Flow Paths Connected to Containment Atmosphere

Table D-2: Penetration Flow Paths Connected to the RCS

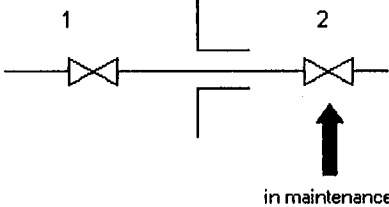
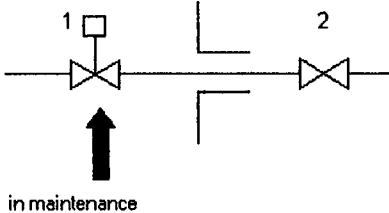
Table D-3: Penetration Flow Paths Connected to the SGs

\*Please note, the information contained within Tables D-1, D-2 and D-3 is directly from Tables 8-2, 8-3 and 8-4. Tables D-1, D-2 and D-3 are shown to facilitate implementing the information into tech specs.

Table D-1 Tech Spec Category Identification: Class I - Penetration Flow Paths Connected to Containment Atmosphere						
Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
1. Group I,A (see Section 8.2.2.1)	2 valves - normally closed - same valve type		all	A B	5 12	48 hrs 48 hrs
			all	A B	5 12	48 hrs 48 hrs
2. Group I,A (see Section 8.2.2.1)	2 valves - normally closed - different valve type		all	A B	7 14	168 hrs 168 hrs

<b>Table D-1 Tech Spec Category Identification: Class I - Penetration Flow Paths Connected to Containment Atmosphere (cont.)</b>						
<b>Calculation Number and Group</b>	<b>Penetration Description</b>	<b>Penetration Type</b>	<b>Valve Type Assumption (see assumption 7 of Section 8.2)</b>	<b>Applicable Tech Spec 3.6.3 Condition (A or B)</b>	<b>Completion Time (CT) Category Number</b>	<b>Justified CT</b>
			all	A B	7 14	168 hrs 168 hrs
3. Group I,A (see Section 8.2.2.1)	2 valves - normally open - same valve type		SOV  MOV  AOV  Check  SRV	A B  A B  A B  A B	4 11  5 12  4 11  5 12  3 10	24 hrs 24 hrs  48 hrs 48 hrs  24 hrs 24 hrs  48 hrs 48 hrs  12 hrs 12 hrs

**Table D-1 Tech Spec Category Identification: Class I - Penetration Flow Paths Connected to Containment Atmosphere (cont.)**

Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
			SOV	A B	4 11	24 hrs 24 hrs
			MOV	A B	5 12	48 hrs 48 hrs
			AOV	A B	4 11	24 hrs 24 hrs
			Check	A B	5 12	48 hrs 48 hrs
			SRV	A B	3 10	12 hrs 12 hrs
4. Group I,A (see Section 8.2.2.1)	2 valves - normally open - different valve type		SOV	A B	7 14	168 hrs 168 hrs
			MOV	A B	7 14	168 hrs 168 hrs
			AOV	A B	7 14	168 hrs 168 hrs
			Check	A B	7 14	168 hrs 168 hrs
			SRV	A B	7 14	168 hrs 168 hrs

**Table D-1 Tech Spec Category Identification: Class I - Penetration Flow Paths Connected to Containment Atmosphere (cont.)**

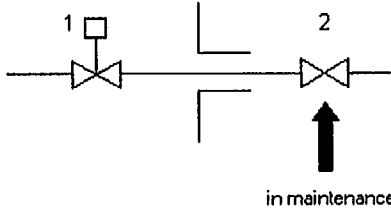
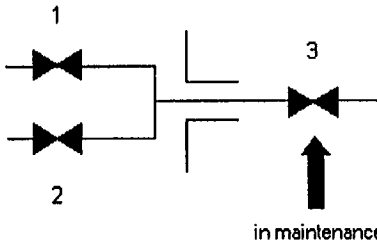
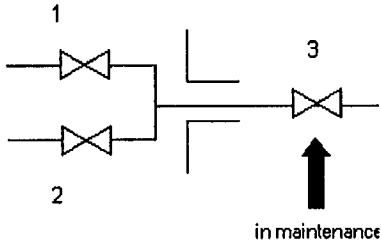
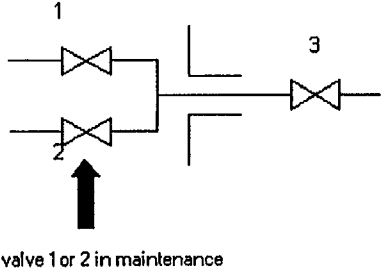
Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
			SOV	A B	7 14	168 hrs 168 hrs
			MOV	A B	7 14	168 hrs 168 hrs
			AOV	A B	7 14	168 hrs 168 hrs
			Check	A B	7 14	168 hrs 168 hrs
			SRV	A B	7 14	168 hrs 168 hrs
5. Group I,A (see Section 8.2.2.1)	2 valves IC or OC in parallel, normally closed – 1 valve OC or IC, normally closed – same valve type		all	A B	4 11	24 hrs 24 hrs

Table D-1 Tech Spec Category Identification: Class I - Penetration Flow Paths Connected to Containment Atmosphere (cont.)						
Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
		<p>valve 1 or 2 in maintenance</p>	all	A B	5 12	48 hrs 48 hrs
6. Group I,A (see Section 8.2.2.1)	2 valves IC or OC in parallel, normally closed – 1 valve OC or IC, normally closed – different valve type	<p>in maintenance</p>	all	A B	7 14	168 hrs 168 hrs
		<p>valve 1 or 2 in maintenance</p>	all	A B	7 14	168 hrs 168 hrs

**Table D-1 Tech Spec Category Identification: Class I - Penetration Flow Paths Connected to Containment Atmosphere (cont.)**

Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
7. Group I,A (see Section 8.2.2.1)	2 valves IC or OC in parallel, normally open – 1 valve OC or IC, normally open – same valve type		SOV	A	3	12 hrs
				B	10	12 hrs
			MOV	A	4	24 hrs
				B	11	24 hrs
			AOV	A	3	12 hrs
			B	10	12 hrs	
			Check	A	4	24 hrs
			B	11	24 hrs	
			SRV	A	2	8 hrs
			B	9	8 hrs	
	SOV	A	4	24 hrs		
		B	11	24 hrs		
	MOV	A	5	48 hrs		
		B	12	48 hrs		
	AOV	A	4	24 hrs		
	B	11	24 hrs			
	Check	A	5	48 hrs		
	B	12	48 hrs			
	SRV	A	3	12 hrs		
	B	10	12 hrs			

**Table D-1 Tech Spec Category Identification: Class I - Penetration Flow Paths Connected to Containment Atmosphere (cont.)**

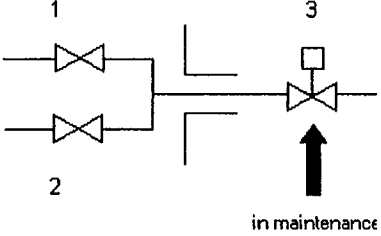
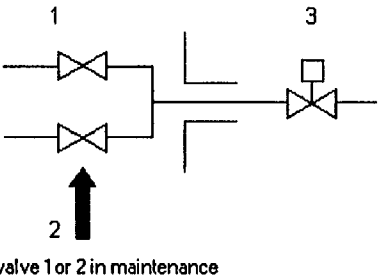
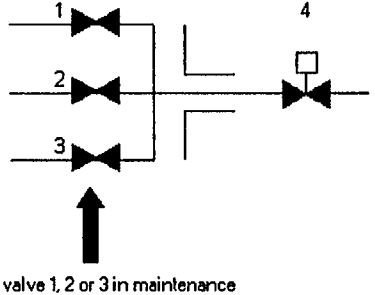
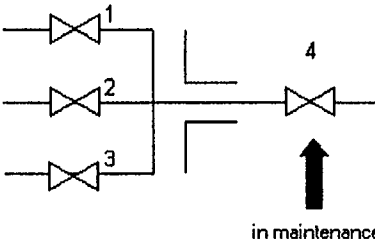
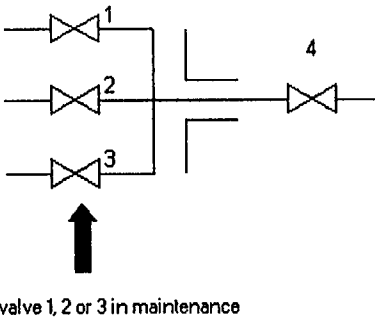
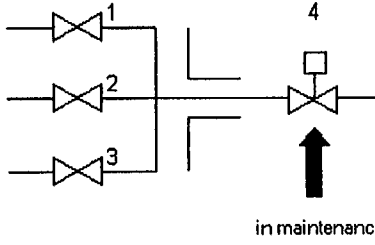
Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
8. Group I,A (see Section 8.2.2.1)	2 valves IC or OC in parallel, normally open – 1 valve OC or IC, normally open – different valve type		SOV	A	6	72 hrs
				B	13	72 hrs
			MOV	A	7	168 hrs
				B	14	168 hrs
			AOV	A	6	72 hrs
			B	13	72 hrs	
		Check	A	7	168 hrs	
			B	14	168 hrs	
		SRV	A	6	72 hrs	
			B	13	72 hrs	
	SOV	A	7	168 hrs		
		B	14	168 hrs		
	MOV	A	7	168 hrs		
		B	14	168 hrs		
	AOV	A	7	168 hrs		
	B	14	168 hrs			
Check	A	7	168 hrs			
	B	14	168 hrs			
SRV	A	7	168 hrs			
	B	14	168 hrs			



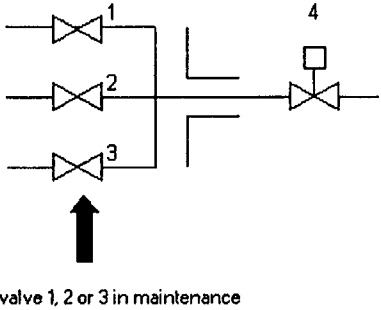
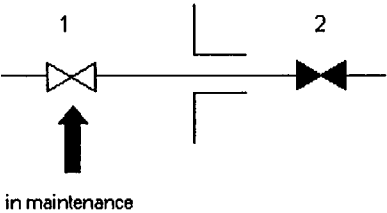
Table D-1 Tech Spec Category Identification: Class I - Penetration Flow Paths Connected to Containment Atmosphere (cont.)						
Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
9 Group I,A (see Section 8.2.2.1)	3 valves IC or OC in parallel, normally closed – 1 valve OC or IC, normally closed - same valve type		all	A B	3 10	12 hrs 12 hrs
			all	A B	5 12	48 hrs 48 hrs
10. Group I,A (see Section 8.2.2.1)	3 valves IC or OC in parallel, normally closed – 1 valve OC or IC, normally closed - different valve type		all	A B	7 14	168 hrs 168 hrs

Table D-1 Tech Spec Category Identification: Class I - Penetration Flow Paths Connected to Containment Atmosphere (cont.)						
Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
		 <p>valve 1, 2 or 3 in maintenance</p>	all	A B	7 14	168 hrs 168 hrs
11. Group I,A (see Section 8.2.2.1)	3 valves IC or OC in parallel, normally open – 1 valve OC or IC, normally open – same valve type	 <p>in maintenance</p>	SOV  MOV  AOV  Check  SRV	A B  A B  A B  A B	3 10  3 10  3 10  1 8	12 hrs 12 hrs  12 hrs 12 hrs  12 hrs 12 hrs  4 hrs 4 hrs

**Table D-1 Tech Spec Category Identification: Class I - Penetration Flow Paths Connected to Containment Atmosphere (cont.)**

Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
		 <p>valve 1, 2 or 3 in maintenance</p>	SOV	A B	4 11	24 hrs 24 hrs
			MOV	A B	5 12	48 hrs 48 hrs
			AOV	A B	4 11	24 hrs 24 hrs
			Check	A B	5 12	48 hrs 48 hrs
			SRV	A B	3 10	12 hrs 12 hrs
12. Group I,A (see Section 8.2.2.1)	3 valves IC or OC in parallel, normally open – 1 valve OC or IC, normally open – different valve type	 <p>in maintenance</p>	SOV	A B	6 13	72 hrs 72 hrs
			MOV	A B	7 14	168 hrs 168 hrs
			AOV	A B	6 13	72 hrs 72 hrs
			Check	A B	7 14	168 hrs 168 hrs
			SRV	A B	6 13	72 hrs 72 hrs

**Table D-1 Tech Spec Category Identification: Class I - Penetration Flow Paths Connected to Containment Atmosphere (cont.)**

Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
		 <p>valve 1, 2 or 3 in maintenance</p>	SOV	A B	7 14	168 hrs 168 hrs
			MOV	A B	7 14	168 hrs 168 hrs
			AOV	A B	7 14	168 hrs 168 hrs
			Check	A B	7 14	168 hrs 168 hrs
			SRV	A B	7 14	168 hrs 168 hrs
13. Group I,A (see Section 8.2.2.1)	2 valves – 1 normally closed, 1 normally open – same valve type	 <p>in maintenance</p>	SOV	A B	7 14	168 hrs 168 hrs
			MOV	A B	7 14	168 hrs 168 hrs
			AOV	A B	7 14	168 hrs 168 hrs
			Check	A B	7 14	168 hrs 168 hrs
			SRV	A B	7 14	168 hrs 168 hrs

**Table D-1 Tech Spec Category Identification: Class I - Penetration Flow Paths Connected to Containment Atmosphere (cont.)**

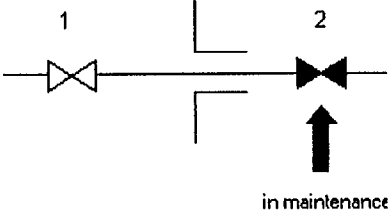
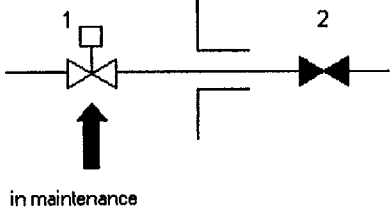
Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
			SOV	A B	7 14	168 hrs 168 hrs
			MOV	A B	7 14	168 hrs 168 hrs
			AOV	A B	7 14	168 hrs 168 hrs
			Check	A B	7 14	168 hrs 168 hrs
			SRV	A B	7 14	168 hrs 168 hrs
14. Group I,A (see Section 8.2.2.1)	2 valves – 1 normally closed, 1 normally open - different valve type		SOV	A B	7 14	168 hrs 168 hrs
			MOV	A B	7 14	168 hrs 168 hrs
			AOV	A B	7 14	168 hrs 168 hrs
			Check	A B	7 14	168 hrs 168 hrs
			SRV	A B	7 14	168 hrs 168 hrs

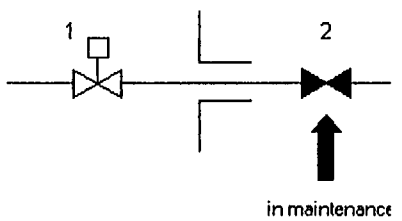
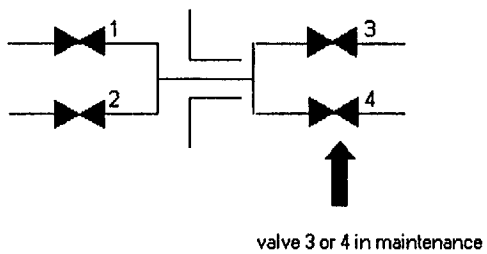
Table D-1 Tech Spec Category Identification: Class I - Penetration Flow Paths Connected to Containment Atmosphere (cont.)						
Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
		 <p style="text-align: center;">in maintenance</p>	SOV	A B	7 14	168 hrs 168 hrs
			MOV	A B	7 14	168 hrs 168 hrs
			AOV	A B	7 14	168 hrs 168 hrs
			Check	A B	7 14	168 hrs 168 hrs
			SRV	A B	7 14	168 hrs 168 hrs
15. Group I,A (see Section 8.2.2.1)	2 valves IC in parallel, normally closed - 2 valves OC in parallel, normally closed - all same valve types	 <p style="text-align: center;">valve 3 or 4 in maintenance</p>	all	A B	4 11	24 hrs 24 hrs

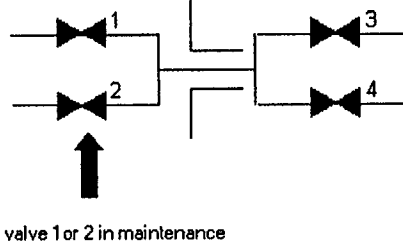
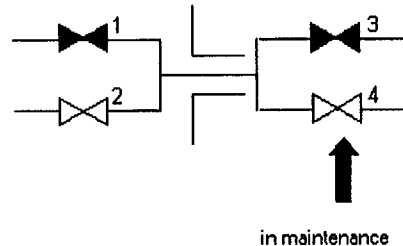
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Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
		 <p>valve 1 or 2 in maintenance</p>	all	A B	4 11	24 hrs 24 hrs
16. Group I,A (see Section 8.2.2.1)	2 valves IC in parallel, 1 normally closed, 1 normally open - 2 valves OC in parallel, 1 normally closed, 1 normally open - all same valve types	 <p>in maintenance</p>	SOV MOV AOV Check SRV	A B A B A B	4 11 5 12 4 11 5 12 3 10	24 hrs 24 hrs 48 hrs 48 hrs 24 hrs 24 hrs 48 hrs 48 hrs 12 hrs 12 hrs

Table D-1 Tech Spec Category Identification: Class I - Penetration Flow Paths Connected to Containment Atmosphere (cont.)						
Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
		<p>in maintenance</p>	SOV	A	4	24 hrs
				B	11	24 hrs
			MOV	A	5	48 hrs
				B	12	48 hrs
			AOV	A	4	24 hrs
			B	11	24 hrs	
		Check	A	5	48 hrs	
			B	12	48 hrs	
		SRV	A	3	12 hrs	
			B	10	12 hrs	
		<p>in maintenance</p>	SOV	A	4	24 hrs
				B	11	24 hrs
			MOV	A	5	48 hrs
				B	12	48 hrs
			AOV	A	4	24 hrs
			B	11	24 hrs	
		Check	A	5	48 hrs	
			B	12	48 hrs	
		SRV	A	4	24 hrs	
			B	11	24 hrs	



**Table D-1 Tech Spec Category Identification: Class I - Penetration Flow Paths Connected to Containment Atmosphere (cont.)**

Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
			SOV	A B	4 11	24 hrs 24 hrs
			MOV	A B	5 12	48 hrs 48 hrs
			AOV	A B	4 11	24 hrs 24 hrs
			Check	A B	5 12	48 hrs 48 hrs
			SRV	A B	4 11	24 hrs 24 hrs
1. Group I,B (see Section 8.2.2.2)	1 valve - normally closed (valve is OC or IC)		all	A B	2 9	8 hrs 8 hrs



**Table D-1 Tech Spec Category Identification: Class I - Penetration Flow Paths Connected to Containment Atmosphere (cont.)**

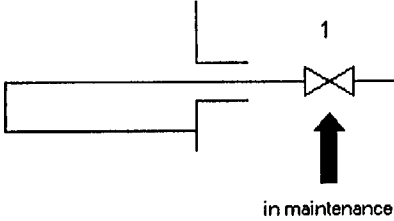
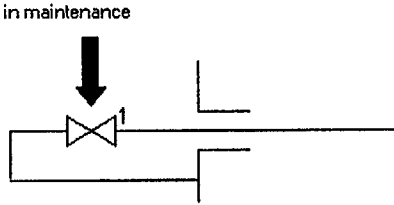
Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
2. Group I,B (see Section 8.2.2.2)	1 valve - normally open (valve can be OC or IC)		SOV	A	2	8 hrs
				B	9	8 hrs
			MOV	A	2	8 hrs
				B	9	8 hrs
			AOV	A	2	8 hrs
			B	9	8 hrs	
			Check	A	2	8 hrs
			B	9	8 hrs	
			SRV	A	2	8 hrs
			B	9	8 hrs	
			SOV	A	2	8 hrs
	MOV		A	2	8 hrs	
	AOV		A	2	8 hrs	
	Check		A	2	8 hrs	
	SRV		A	2	8 hrs	

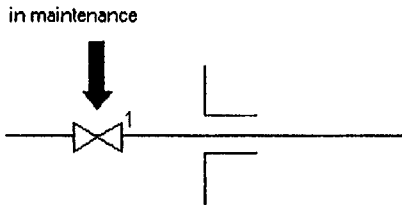
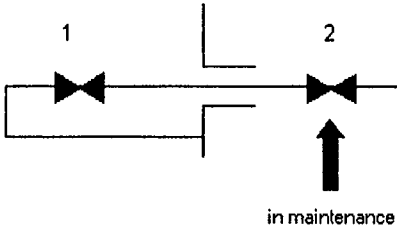
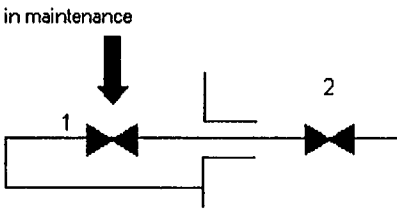
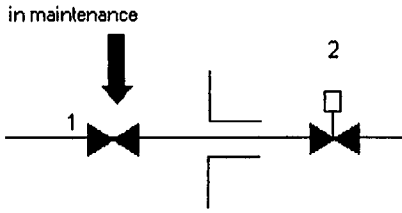
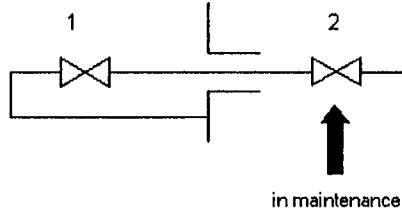
Table D-1 Tech Spec Category Identification: Class I - Penetration Flow Paths Connected to Containment Atmosphere (cont.)						
Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
			SOV	B	8	4 hrs
			MOV	B	8	4 hrs
			AOV	B	8	4 hrs
			Check	B	8	4 hrs
			SRV	B	8	4 hrs
3. Group I,B (see Section 8.2.2.2)	2 valves - normally closed – same valve type		all	A B	6 13	72 hrs 72 hrs
			all	A	6	72 hrs

Table D-1 Tech Spec Category Identification: Class I - Penetration Flow Paths Connected to Containment Atmosphere (cont.)						
Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
			all	B	12	48 hrs
4. Group I,B (see Section 8.2.2.2)	2 valves - normally closed - different valve type		all	A B	7 14	168 hrs 168 hrs
			all	A	7	168 hrs

Table D-1 Tech Spec Category Identification: Class I - Penetration Flow Paths Connected to Containment Atmosphere (cont.)						
Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
			all	B	14	168 hrs
5. Group I,B (see Section 8.2.2.2)	2 valves - normally open - same valve type		SOV	A	6	72 hrs
				B	13	72 hrs
			MOV	A	6	72 hrs
				B	13	72 hrs
			AOV	A	6	72 hrs
				B	13	72 hrs
	Check	A	6	72 hrs		
	B	13	72 hrs			
	SRV	A	4	24 hrs		
	B	11	24 hrs			

**Table D-1 Tech Spec Category Identification: Class I - Penetration Flow Paths Connected to Containment Atmosphere (cont.)**

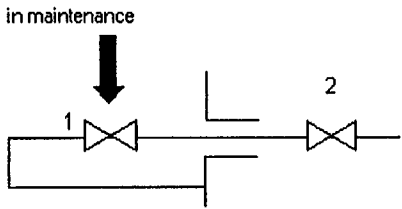
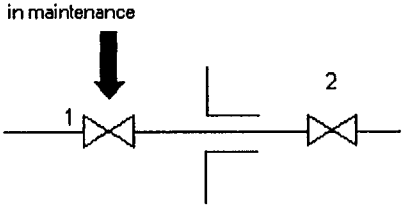
Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
			SOV	A	6	72 hrs
			MOV	A	6	72 hrs
			AOV	A	6	72 hrs
			Check	A	6	72 hrs
			SRV	A	4	24 hrs
			SOV	B	11	24 hrs
			MOV	B	12	48 hrs
			AOV	B	11	24 hrs
			Check	B	12	48 hrs
			SRV	B	10	12 hrs

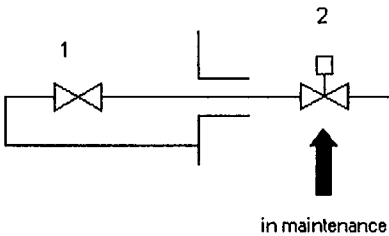
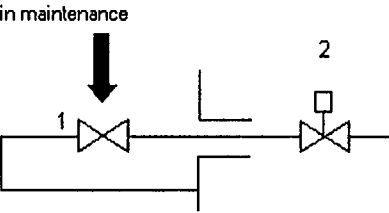
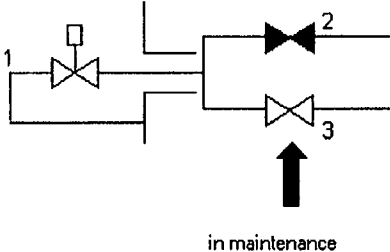
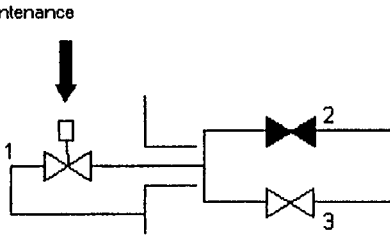
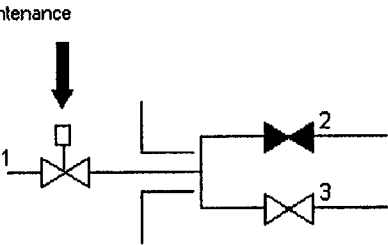
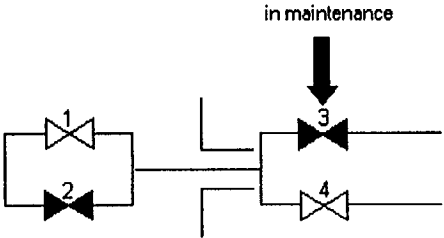
Table D-1 Tech Spec Category Identification: Class I - Penetration Flow Paths Connected to Containment Atmosphere (cont.)						
Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
6. Group I,B (see Section 8.2.2.2)	2 valves - normally open – different valve type		SOV	A B	7 14	168 hrs 168 hrs
			MOV	A B	7 14	168 hrs 168 hrs
			AOV	A B	7 14	168 hrs 168 hrs
			Check	A B	7 14	168 hrs 168 hrs
			SRV	A B	7 14	168 hrs 168 hrs
			SOV	A	7	168 hrs
			MOV	A	7	168 hrs
			AOV	A	7	168 hrs
			Check	A	7	168 hrs
			SRV	A	7	168 hrs

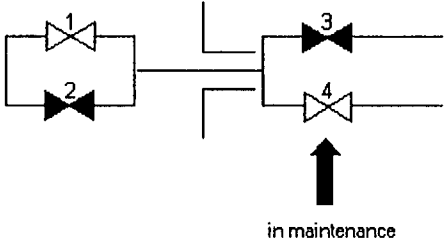
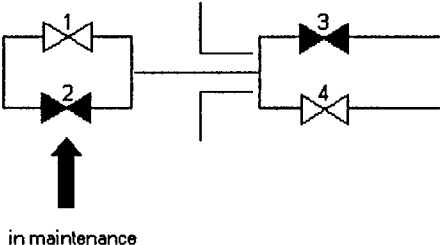


Table D-1 Tech Spec Category Identification: Class I - Penetration Flow Paths Connected to Containment Atmosphere (cont.)						
Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
			SOV	B	14	168 hrs
			MOV	B	14	168 hrs
			AOV	B	14	168 hrs
			Check	B	14	168 hrs
			SRV	B	14	168 hrs
7. Group I,B (see Section 8.2.2.2)	2 valves OC in parallel, 1 normally closed, 1 normally open, same valve types - 1 valve IC, normally open, different valve type from the valves OC		SOV	A B	7 14	168 hrs 168 hrs
			MOV	A B	7 14	168 hrs 168 hrs
			AOV	A B	7 14	168 hrs 168 hrs
			Check	A B	7 14	168 hrs 168 hrs
			SRV	A B	7 14	168 hrs 168 hrs

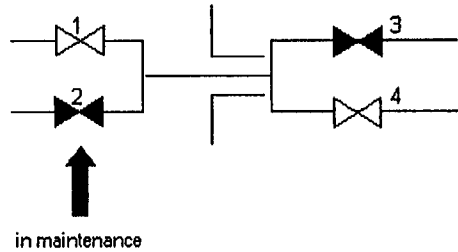
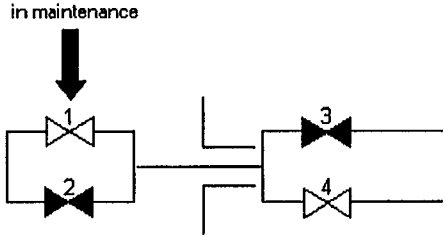
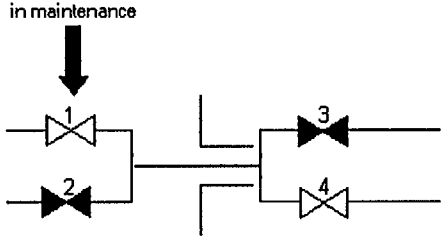
Table D-1 Tech Spec Category Identification: Class I - Penetration Flow Paths Connected to Containment Atmosphere (cont.)						
Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
			SOV	A	7	168 hrs
				B	14	168 hrs
			MOV	A	7	168 hrs
				B	14	168 hrs
			AOV	A	7	168 hrs
			B	14	168 hrs	
		Check	A	7	168 hrs	
			B	14	168 hrs	
		SRV	A	7	168 hrs	
			B	14	168 hrs	
	SOV	A	7	168 hrs		
	MOV	A	7	168 hrs		
	AOV	A	7	168 hrs		
	Check	A	7	168 hrs		
	SRV	A	7	168 hrs		

<b>Table D-1 Tech Spec Category Identification: Class I - Penetration Flow Paths Connected to Containment Atmosphere (cont.)</b>						
<b>Calculation Number and Group</b>	<b>Penetration Description</b>	<b>Penetration Type</b>	<b>Valve Type Assumption</b> (see assumption 7 of Section 8.2)	<b>Applicable Tech Spec 3.6.3 Condition</b> (A or B)	<b>Completion Time (CT) Category Number</b>	<b>Justified CT</b>
		<p>in maintenance</p> 	SOV MOV AOV Check SRV	B B B B B	14 14 14 14 14	168 hrs 168 hrs 168 hrs 168 hrs 168 hrs
8. Group I,B (see Section 8.2.2.2)	2 valves OC in parallel, 1 normally closed, 1 normally open - 2 valves IC in parallel, 1 normally closed, 1 normally open - all same valve types	<p>in maintenance</p> 	SOV MOV AOV Check SRV	A B A B A B	6 13 6 13 6 13	72 hrs 72 hrs 72 hrs 72 hrs 72 hrs 72 hrs

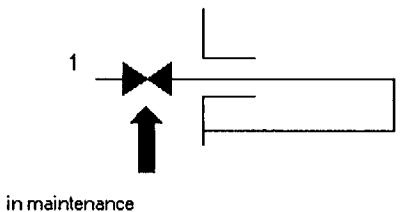
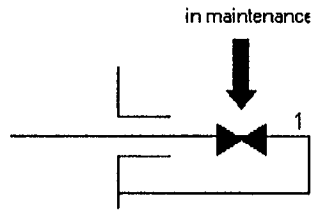
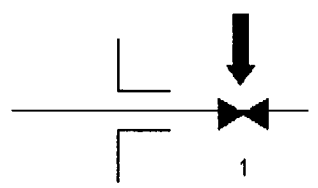
**Table D-1 Tech Spec Category Identification: Class I - Penetration Flow Paths Connected to Containment Atmosphere (cont.)**

Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
			SOV	A	6	72 hrs
			B	13	72 hrs	
			MOV	A	6	72 hrs
			B	13	72 hrs	
			AOV	A	6	72 hrs
		B	13	72 hrs		
		Check	A	6	72 hrs	
		B	13	72 hrs		
		SRV	A	4	24 hrs	
		B	11	24 hrs		
	SOV	A	6	72 hrs		
	MOV	A	6	72 hrs		
	AOV	A	6	72 hrs		
	Check	A	6	72 hrs		
	SRV	A	6	72 hrs		

**Table D-1 Tech Spec Category Identification: Class I - Penetration Flow Paths Connected to Containment Atmosphere (cont.)**

Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
			SOV	B	11	24 hrs
			MOV	B	12	48 hrs
			AOV	B	11	24 hrs
			Check	B	12	48 hrs
			SRV	B	11	24 hrs
			SOV	A	6	72 hrs
			MOV	A	6	72 hrs
			AOV	A	6	72 hrs
			Check	A	6	72 hrs
			SRV	A	4	24 hrs
			SOV	B	11	24 hrs
			MOV	B	12	48 hrs
			AOV	B	11	24 hrs
			Check	B	12	48 hrs
			SRV	B	10	12 hrs

**Table D-1 Tech Spec Category Identification: Class I - Penetration Flow Paths Connected to Containment Atmosphere (cont.)**

Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
1. Group I,C (see Section 8.2.2.3)	1 valve – normally closed (valve is OC or IC)		all	A B	2 9	8 hrs 8 hrs
			all	A	2	8 hrs
			all	B	8	4 hrs

**Table D-1 Tech Spec Category Identification: Class I - Penetration Flow Paths Connected to Containment Atmosphere (cont.)**

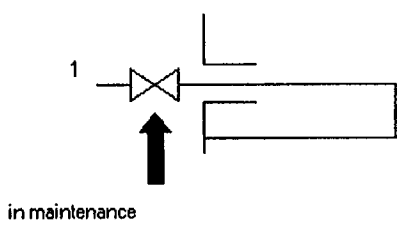
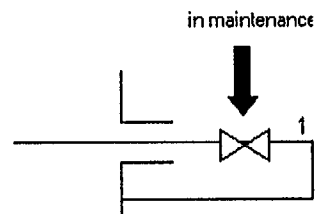
Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
2. Group I,C (see Section 8.2.2.3)	1 valve - normally open (valve is OC or IC)	 <p>in maintenance</p>	SOV	A	2	8 hrs
				B	9	8 hrs
			MOV	A	2	8 hrs
				B	9	8 hrs
			AOV	A	2	8 hrs
			B	9	8 hrs	
			Check	A	2	8 hrs
			B	9	8 hrs	
			SRV	A	2	8 hrs
			B	9	8 hrs	
	 <p>in maintenance</p>	SOV	A	2	8 hrs	
MOV		A	2	8 hrs		
AOV		A	2	8 hrs		
Check		A	2	8 hrs		
SRV		A	2	8 hrs		

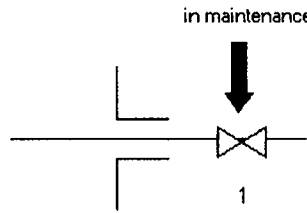
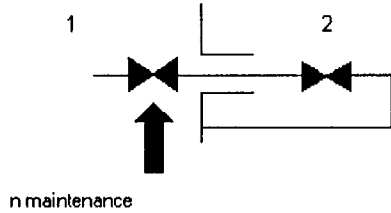
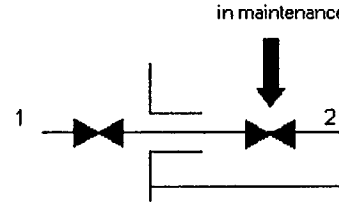
Table D-1 Tech Spec Category Identification: Class I - Penetration Flow Paths Connected to Containment Atmosphere (cont.)						
Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
			SOV	B	8	4 hrs
			MOV	B	8	4 hrs
			AOV	B	8	4 hrs
			Check	B	8	4 hrs
			SRV	B	8	4 hrs
3. Group I,C (see Section 8.2.2.3)	2 valves - normally closed - same valve type		all	A B	6 13	72 hrs 72 hrs
			all	A	6	72 hrs



Table D-1 Tech Spec Category Identification: Class I - Penetration Flow Paths Connected to Containment Atmosphere (cont.)						
Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
		<p>The diagram shows a horizontal pipe with two valves, labeled 1 and 2. Valve 1 is on the left, and valve 2 is on the right. A downward-pointing arrow above valve 2 is labeled "in maintenance".</p>	all	B	12	48 hrs
4. Group I,C (see Section 8.2.2.3)	2 valves - normally closed - different valve type	<p>The diagram shows a horizontal pipe with two valves, labeled 1 and 2. Valve 1 is on the left, and valve 2 is on the right. An upward-pointing arrow below valve 1 is labeled "in maintenance".</p>	all	A B	7 14	168 hrs 168 hrs
		<p>The diagram shows a horizontal pipe with two valves, labeled 1 and 2. Valve 1 is on the left, and valve 2 is on the right. A downward-pointing arrow above valve 2 is labeled "in maintenance".</p>	all	A	7	168 hrs

**Table D-1 Tech Spec Category Identification: Class I - Penetration Flow Paths Connected to Containment Atmosphere (cont.)**

Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
			all	B	14	168 hrs
5. Group I,C (see Section 8.2.2.3)	2 valves - normally open - same valve type		SOV	A	6	72 hrs
				B	13	72 hrs
			MOV	A	6	72 hrs
				B	13	72 hrs
			AOV	A	6	72 hrs
				B	13	72 hrs
	Check	A	6	72 hrs		
	B	13	72 hrs			
	SRV	A	4	24 hrs		
	B	11	24 hrs			

**Table D-1 Tech Spec Category Identification: Class I - Penetration Flow Paths Connected to Containment Atmosphere (cont.)**

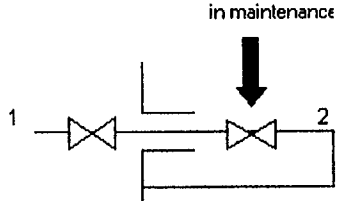
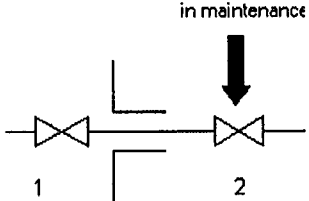
Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
			SOV	A	6	72 hrs
			MOV	A	6	72 hrs
			AOV	A	6	72 hrs
			Check	A	6	72 hrs
			SRV	A	4	24 hrs
			SOV	B	11	24 hrs
			MOV	B	12	48 hrs
			AOV	B	11	24 hrs
			Check	B	12	48 hrs
			SRV	B	10	12 hrs

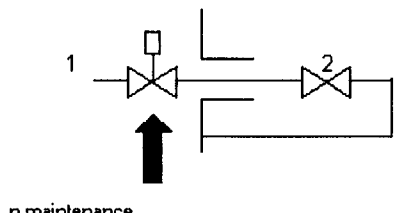
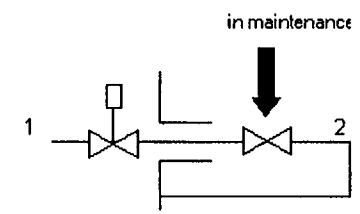
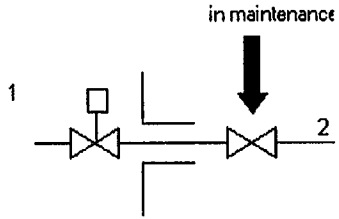
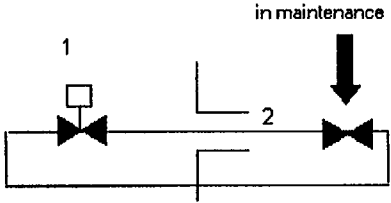
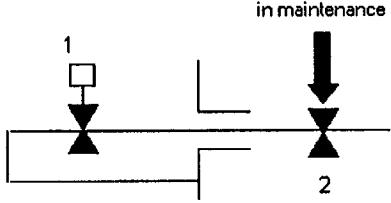
Table D-1 Tech Spec Category Identification: Class I - Penetration Flow Paths Connected to Containment Atmosphere (cont.)						
Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
6. Group I,C (see Section 8.2.2.3)	2 valves - normally open - different valve type		SOV	A	7	168 hrs
				B	14	168 hrs
			MOV	A	7	168 hrs
				B	14	168 hrs
			AOV	A	7	168 hrs
			B	14	168 hrs	
		Check	A	7	168 hrs	
			B	14	168 hrs	
		SRV	A	7	168 hrs	
			B	14	168 hrs	
			SOV	A	7	168 hrs
	MOV		A	7	168 hrs	
	AOV		A	7	168 hrs	
	Check		A	7	168 hrs	
	SRV		A	7	168 hrs	

Table D-1 Tech Spec Category Identification: Class I - Penetration Flow Paths Connected to Containment Atmosphere (cont.)						
Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
			SOV	B	14	168 hrs
			MOV	B	14	168 hrs
			AOV	B	14	168 hrs
			Check	B	14	168 hrs
			SRV	B	14	168 hrs
1. Group I,D (see Section 8.2.2.4)	2 valves - normally closed - different valve type		all	A	7	168 hrs
			all	B	14	168 hrs

**Table D-1 Tech Spec Category Identification: Class I - Penetration Flow Paths Connected to Containment Atmosphere (cont.)**

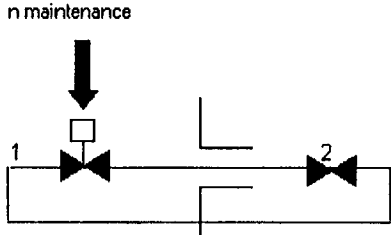
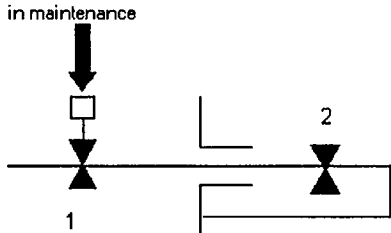
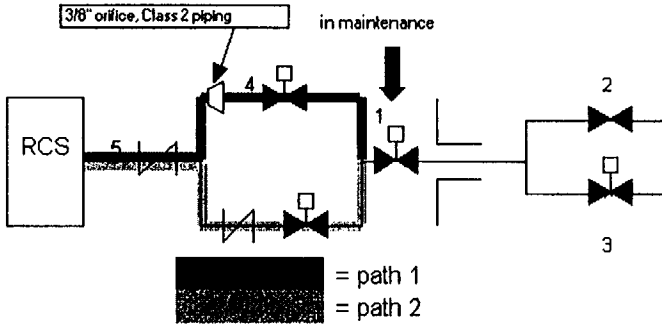
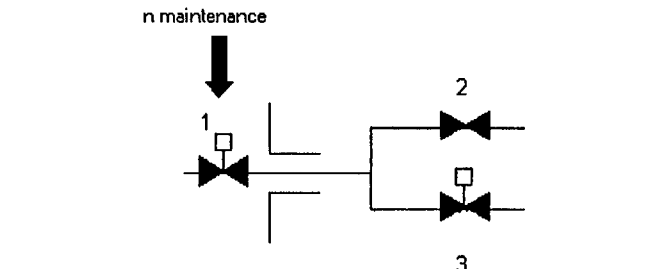
Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
			all	A	7	168 hrs
			all	B	14	168 hrs

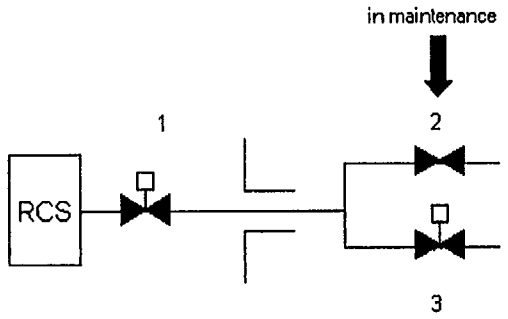
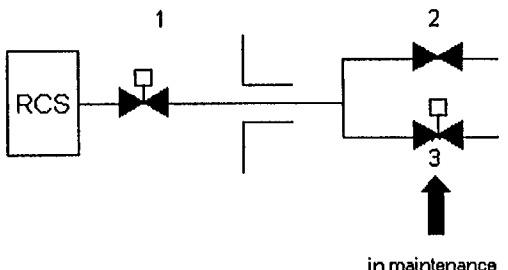
Table D-2 Tech Spec Category Identification: Class II - Penetration Flow Paths Connected to the RCS						
Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
1. Group II,A (see Section 8.2.3.1)	ECCS Test Line Return - High Pressure Coolant Injection System: • 2 valves OC in parallel, normally closed, different valve types – 1 valve IC, normally closed - orifice between RCS and IC CIV 3/8" or less diameter  (The valve IC has additional normally closed valves between it and the RCS, Note: path 2 is eliminated)		all	A B	7 14	168 hrs 168 hrs
			all	A B	7 14	168 hrs 168 hrs

**Table D-2 Tech Spec Category Identification: Class II - Penetration Flow Paths Connected to the RCS**  
(cont.)

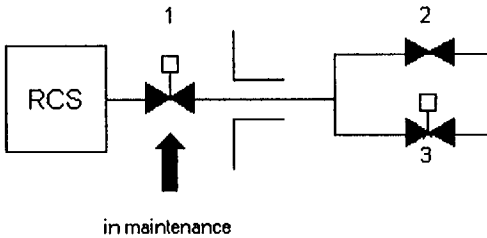
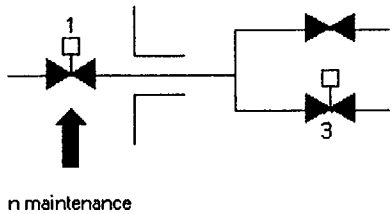
Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
			all	A	7	168 hrs
			all	B	12	48 hrs



**Table D-2 Tech Spec Category Identification: Class II - Penetration Flow Paths Connected to the RCS (cont.)**

Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
2. Group II,A (see Section 8.2.3.1)	Pressurizer Vapor Sample Line: • 2 valves OC in parallel, normally closed, different valve types – 1 valve IC, normally closed - 3/8" or less piping diameter		all	A B	7 14	168 hrs 168 hrs
			all	A B	5 12	48 hrs 48 hrs

**Table D-2 Tech Spec Category Identification: Class II - Penetration Flow Paths Connected to the RCS**  
(cont.)

Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
			all	A	5	48 hrs
			all	B	12	48 hrs

**Table D-2 Tech Spec Category Identification: Class II - Penetration Flow Paths Connected to the RCS**  
(cont.)

Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
3. Group II,A (see Section 8.2.3.1)	Pressurizer Liquid Sample Line: • 3 valves OC in parallel, 2 normally closed, 1 normally open - 1 valve IC normally open - 3/8" or less piping diameter		SOV	A	7	168 hrs
				B	14	168 hrs
			MOV	A	7	168 hrs
			B	14	168 hrs	
			AOV	A	7	168 hrs
		B	14	168 hrs		
			Check	A	7	168 hrs
		B	14	168 hrs		
		SOV	A	4	24 hrs	
		B	11	24 hrs		
MOV		A	5	48 hrs		
B		12	48 hrs			
	AOV	A	4	24 hrs		
B	11	24 hrs				
	Check	A	5	48 hrs		
B	12	48 hrs				

**Table D-2 Tech Spec Category Identification: Class II - Penetration Flow Paths Connected to the RCS (cont.)**

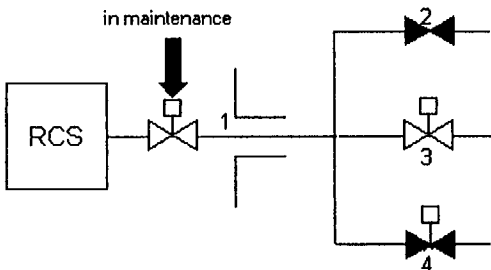
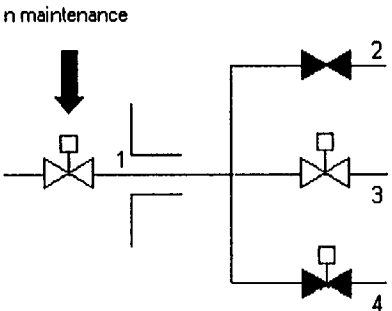
Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
			SOV MOV AOV Check	A A A A	4 5 4 5	24 hrs 48 hrs 24 hrs 48 hrs
			SOV MOV AOV Check	B B B B	11 12 11 12	24 hrs 48 hrs 24 hrs 48 hrs

Table D-2 Tech Spec Category Identification: Class II - Penetration Flow Paths Connected to the RCS (cont.)						
Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
4. Group II,A (see Section 8.2.3.1)	Post Accident Sample Line: 3 valves OC in parallel, normally closed, different valve types - 1 valve IC, normally closed 3/8" or less piping diameter		all	A B	7 14	168 hrs 168 hrs
			all	A B	7 14	168 hrs 168 hrs

Table D-2 Tech Spec Category Identification: Class II - Penetration Flow Paths Connected to the RCS (cont.)						
Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
		<p>in maintenance</p> <p>RCS</p> <p>1</p> <p>2</p> <p>3</p> <p>4</p>	all	A	4	24 hrs
		<p>n maintenance</p> <p>1</p> <p>2</p> <p>3</p> <p>4</p>	all	B	11	24 hrs

Table D-2 Tech Spec Category Identification: Class II - Penetration Flow Paths Connected to the RCS (cont.)						
Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
5. Group II,A (see Section 8.2.3.1)	Residual Heat Removal System (Low Head) - Hot Leg Injection, Recirc to Hot Leg:		all	A B	6 13	72 hrs 72 hrs
	OR Safety Injection Pump (Intermediate Head) - Hot Leg Injection, Recirc to Hot Leg: <ul style="list-style-type: none"> <li>• 2 valves IC in parallel, normally closed - 2 valve OC in parallel, normally closed - different valve types</li> </ul>		all	A	6	72 hrs

Table D-2 Tech Spec Category Identification: Class II - Penetration Flow Paths Connected to the RCS (cont.)						
Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
	(The 2 check valves IC each have another normally closed check valve in series with them)	<p>valve 2 or 4 in maintenance</p>	all	B	14	168 hrs
6. Group II,A (see Section 8.2.3.1)	Residual Heat Removal System (Low Head) - Cold Leg Injection, Recirc to Cold Leg:	<p>in maintenance</p>	SOV	A	1	4 hrs
				B	8	4 hrs
			MOV	A	1	4 hrs
				B	8	4 hrs
			AOV	A	1	4 hrs
				B	8	4 hrs
			Check	A	1	4 hrs
				B	8	4 hrs



**Table D-2 Tech Spec Category Identification: Class II - Penetration Flow Paths Connected to the RCS (cont.)**

Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
	<ul style="list-style-type: none"> <li>2 valves IC in parallel, normally closed – 2 valves OC in parallel, 1 normally closed, 1 normally open - different valve types</li> </ul> <p>(The 2 check valves IC each have another normally closed check valve in series with them)</p>		SOV	A	1	4 hrs
		MOV	B	8	4 hrs	
		AOV	A	1	4 hrs	
		B	8	4 hrs		
		Check	A	1	4 hrs	
		B	8	4 hrs		
		<p>valve 2 or 4 in maintenance</p>	SOV	A	1	4 hrs
		MOV	A	1	4 hrs	
AOV	A	1	4 hrs			
Check	A	1	4 hrs			

Table D-2 Tech Spec Category Identification: Class II - Penetration Flow Paths Connected to the RCS (cont.)						
Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
		<p>valve 2 or 4 in maintenance</p>	SOV	B	8	4 hrs
			MOV	B	8	4 hrs
			AOV	B	8	4 hrs
			Check	B	8	4 hrs
7. Group II,A (see Section 8.2.3.1)	<p>Safety Injection Pump (intermediate head) - Cold Leg Injection, Recirc to Cold Leg:</p> <ul style="list-style-type: none"> <li>4 valves IC in parallel, normally closed - 2 valve OC in parallel, 1 normally closed, 1 normally open - different valve type</li> </ul>		SOV	A	1	4 hrs
			MOV	B	8	4 hrs
			AOV	A	1	4 hrs
			Check	B	8	4 hrs

**Table D-2 Tech Spec Category Identification: Class II - Penetration Flow Paths Connected to the RCS**  
(cont.)

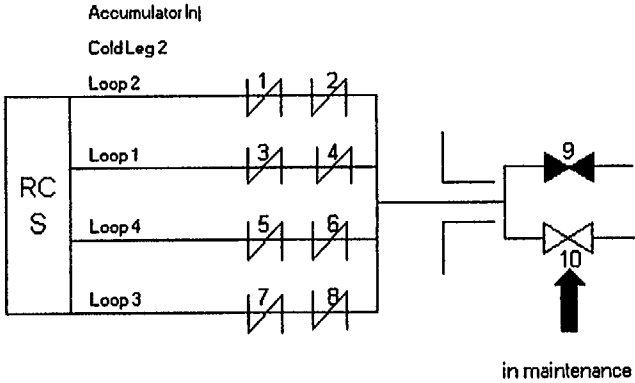
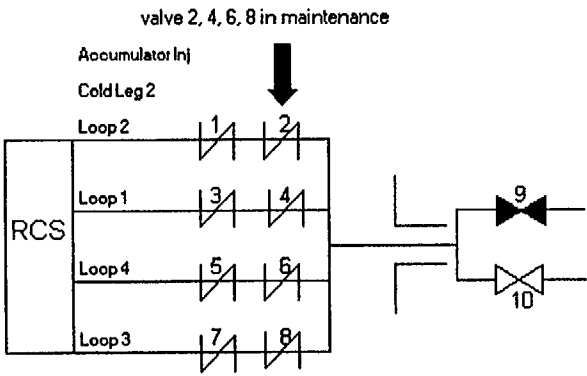
Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
	(The 4 check valves IC each have another normally closed check valve in series with it)	 <p>Accumulator Inj Cold Leg 2 Loop 2 Loop 1 Loop 4 Loop 3 RCS in maintenance</p>	SOV  MOV  AOV  Check	A B A B A B	1 8 1 8 1 8	4 hrs 4 hrs 4 hrs 4 hrs 4 hrs 4 hrs
		 <p>valve 2, 4, 6, 8 in maintenance Accumulator Inj Cold Leg 2 Loop 2 Loop 1 Loop 4 Loop 3 RCS</p>	SOV MOV AOV Check	A A A A	1 1 1 1	4 hrs 4 hrs 4 hrs 4 hrs

Table D-2 Tech Spec Category Identification: Class II - Penetration Flow Paths Connected to the RCS (cont.)						
Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
		<p>valve 2, 4, 6, 8 in maintenance</p>	SOV MOV AOV Check	B B B B	8 8 8 8	4 hrs 4 hrs 4 hrs 4 hrs
8. Group II,A (see Section 8.2.3.1)	Residual Heat Removal System (Low Head) - Hot Leg to RHR Pumps, RHR Shutdown Lines: • 1 valve IC, normally closed  (The valve IC has another normally closed valve in series with it)	<p>in maintenance</p>	all	A	1	4 hrs
		<p>in maintenance</p>	all	B	8	4 hrs

Table D-2 Tech Spec Category Identification: Class II - Penetration Flow Paths Connected to the RCS (cont.)						
Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
9. Group II,A (see Section 8.2.3.1)	RVLIS Sample Line - Reactor Coolant System: • Hydraulic Sensors IC, LIS's OC		LISs	A	7	168 hrs
			LISs	B	14	168 hrs

Table D-2 Tech Spec Category Identification: Class II - Penetration Flow Paths Connected to the RCS (cont.)						
Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
		<p>The diagram shows a rectangular box labeled 'RCS' on the left. Two horizontal lines extend from it to the right. The top line is labeled 'RV Head' and the bottom line is labeled 'Seal Table'. Both lines pass through a valve symbol (a rectangle with a wavy line). The top valve is labeled '1' and has a thick black arrow pointing down to it with the text 'in maintenance' above it. After the valves, the two lines cross and then run parallel to the right. Each line has an 'X' mark. They terminate at two circular symbols labeled 'LIS'. The top LIS is labeled '2'.</p>	sensors	A	7	168 hrs
		<p>This diagram is identical to the one above, showing the RCS connected to two LIS sensors via RV Head and Seal Table valves. However, the 'in maintenance' arrow and label are absent, and the top valve is simply labeled '1'.</p>	sensors	B	14	168 hrs

**Table D-2 Tech Spec Category Identification: Class II - Penetration Flow Paths Connected to the RCS (cont.)**

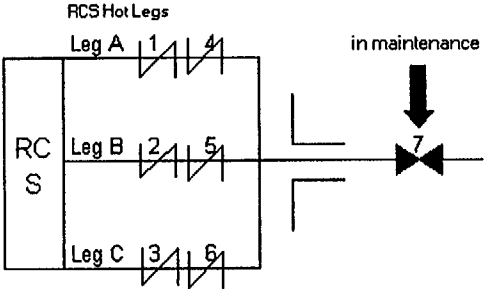
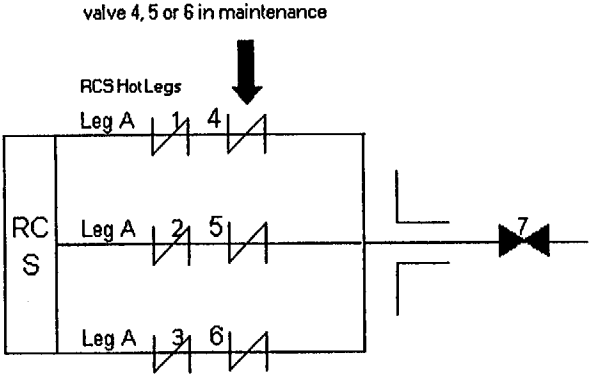
Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
10. Group II,A (see Section 8.2.3.1)	Centrifugal Charging Pumps (High Head) - Recirc to Hot Legs: • 3 valves of same type IC in parallel, normally closed – 1 valve OC, normally closed - valves IC different type from those OC  (The check valves IC have 3 parallel normally closed check valves in series with them)	 <p>RCS Hot Legs</p> <p>Leg A 1 4</p> <p>Leg B 2 5</p> <p>Leg C 3 6</p> <p>RC S</p> <p>in maintenance</p> <p>7</p>	all	A B	6 13	72 hrs 72 hrs
		 <p>valve 4, 5 or 6 in maintenance</p> <p>RCS Hot Legs</p> <p>Leg A 1 4</p> <p>Leg A 2 5</p> <p>Leg A 3 6</p> <p>RC S</p> <p>7</p>	all	A	7	168 hrs

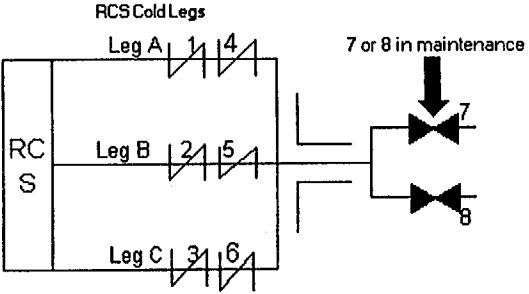
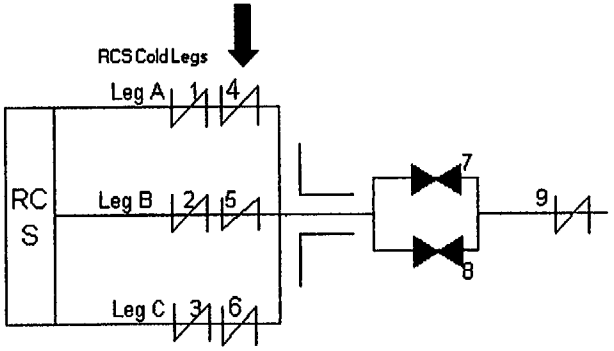
Table D-2 Tech Spec Category Identification: Class II - Penetration Flow Paths Connected to the RCS (cont.)						
Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
		<p>valve 4, 5 or 6 in maintenance</p>	all	B	14	168 hrs
11. Group II,A (see Section 8.2.3.1)	Centrifugal Charging Pumps (High Head) - Recirc to Hot Legs:	<p>RCS Cold Leg valve 6 or 7 in maintenance</p>	all	A	7	168 hrs



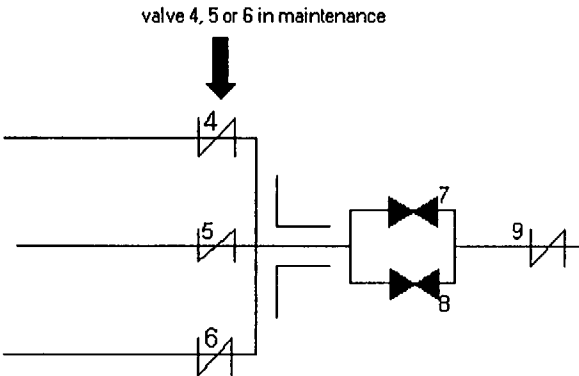
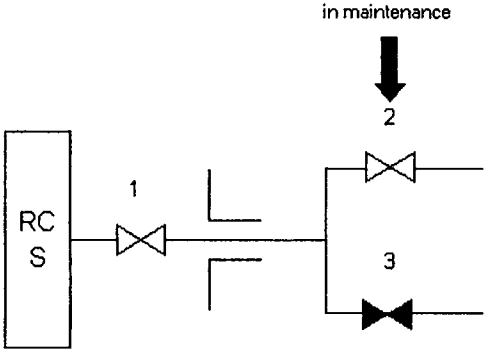
Table D-2 Tech Spec Category Identification: Class II - Penetration Flow Paths Connected to the RCS						
(cont.)						
Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
	<ul style="list-style-type: none"> <li>3 valves of same type IC in parallel, normally closed - 1 valve OC, normally closed - valves IC different type from those OC</li> </ul>	<p>RCS Cold Leg Loop 2 2 Loop 3 3 Loop 1 4 Loop 4 5</p> <p>valve 6 or 7 in maintenance</p>	all	B	14	168 hrs
	<p>(The check valves IC have 3 parallel normally closed check valves in series with them)</p>	<p>RCS Cold Leg Loop 2 2 Loop 3 3 Loop 1 4 Loop 4 5</p> <p>in maintenance</p>	all	A	7	168 hrs

Table D-2 Tech Spec Category Identification: Class II - Penetration Flow Paths Connected to the RCS (cont.)						
Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
		<p>The diagram shows a vertical pipe on the left with three horizontal lines. A valve labeled '1' is on the right side of this pipe. The pipe continues to the right and splits into two parallel paths, each containing a valve labeled '6' and '7'. These paths rejoin and lead to a final valve labeled '8'.</p>	all	B	14	168 hrs
12. Group II,A (see Section 8.2.3.1)	Centrifugal Charging Pumps (High Head) - Injection to Cold Legs, Recirc to Cold Legs:	<p>The diagram shows a rectangular loop labeled 'RCS' with three horizontal legs: 'Leg A' (top), 'Leg B' (middle), and 'Leg C' (bottom). Each leg has two valves: Leg A has valves 1 and 4; Leg B has valves 2 and 5; Leg C has valves 3 and 6. From the right side of Leg B, a pipe leads to a vertical pipe with two valves labeled '7' and '8'. A downward arrow labeled '7 or 8 in maintenance' points to valve 7. This vertical pipe then leads to a final valve labeled '9'.</p>	all	A	7	168 hrs

**Table D-2 Tech Spec Category Identification: Class II - Penetration Flow Paths Connected to the RCS (cont.)**

Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
	<ul style="list-style-type: none"> <li>3 valves of same type IC in parallel, normally closed - 2 valves of same valve type OC in parallel, normally closed - valves IC different type from those OC</li> </ul>	 <p>RCS Cold Legs</p> <p>Leg A 1 4</p> <p>Leg B 2 5</p> <p>Leg C 3 6</p> <p>7 or 8 in maintenance</p>	all	B	14	168 hrs
	<p>(The check valves IC have 3 parallel normally closed check valves in series with them)</p>	 <p>valve 4, 5 or 6 in maintenance</p> <p>RCS Cold Legs</p> <p>Leg A 1 4</p> <p>Leg B 2 5</p> <p>Leg C 3 6</p> <p>7 8 9</p>	all	A	7	168 hrs

**Table D-2 Tech Spec Category Identification: Class II - Penetration Flow Paths Connected to the RCS (cont.)**

Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
	(The valves OC have another normally closed check valves in series with them)		all	B	14	168 hrs
1. Group II,B (see Section 8.2.3.2)	Chemical & Volume Control System -Normal Letdown Legs: • 1 valve IC, normally open - 2 valves OC, 1 normally open, 1 normally closed - same valve type		SOV  MOV  AOV  Check	A B  A B  A B	4 11  4 11  4 11	24 hrs 24 hrs  24 hrs 24 hrs  24 hrs 24 hrs

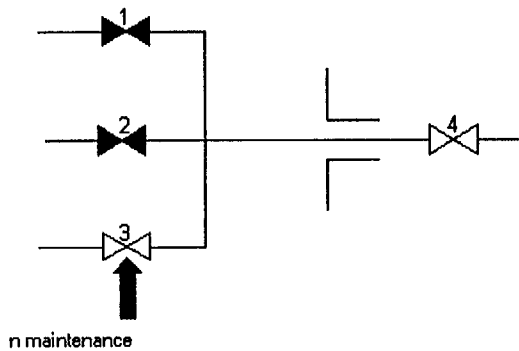
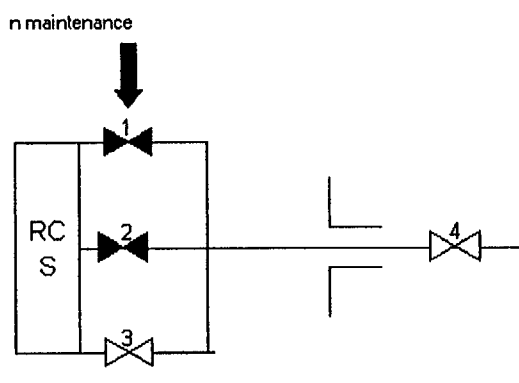
**Table D-2 Tech Spec Category Identification: Class II - Penetration Flow Paths Connected to the RCS (cont.)**

Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT	
			SOV	A	7	168 hrs	
					B	14	168 hrs
			MOV	A	7	168 hrs	
				B	14	168 hrs	
			AOV	A	7	168 hrs	
			B	14	168 hrs		
			Check	A	7	168 hrs	
			B	14	168 hrs		
			SOV	A	4	24 hrs	
				A	4	24 hrs	
			AOV	A	4	24 hrs	
				A	4	24 hrs	
	SOV	B	11	24 hrs			
		B	12	48 hrs			
	AOV	B	11	24 hrs			
		B	12	48 hrs			

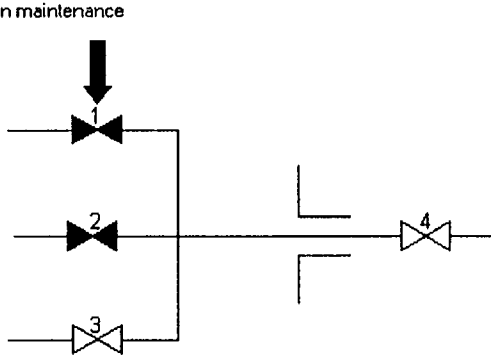
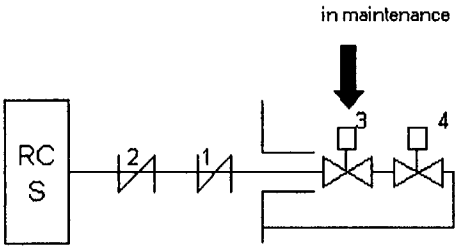
**Table D-2 Tech Spec Category Identification: Class II - Penetration Flow Paths Connected to the RCS (cont.)**

Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
2. Group II,B (see Section 8.2.3.2)	Chemical & Volume Control System -Normal Letdown Legs: 3 valves IC, 1 normally open, 2 normally closed - 1 valve OC, normally open - all same valve type		SOV	A	4	24 hrs
			MOV	B	11	24 hrs
			AOV	A	4	24 hrs
			AOV	B	11	24 hrs
		Check	A	4	24 hrs	
		Check	B	11	24 hrs	
			SOV	A	4	24 hrs
			MOV	A	4	24 hrs
AOV	A		4	24 hrs		
Check	A		4	24 hrs		

**Table D-2 Tech Spec Category Identification: Class II - Penetration Flow Paths Connected to the RCS**  
(cont.)

Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
			SOV MOV AOV Check	B B B B	11 12 11 12	24 hrs 48 hrs 24 hrs 48 hrs
			SOV MOV AOV Check	A A A A	7 7 7 7	168 hrs 168 hrs 168 hrs 168 hrs

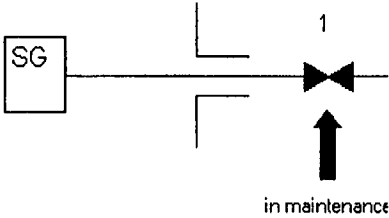
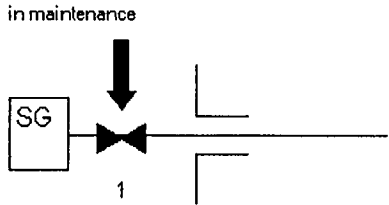
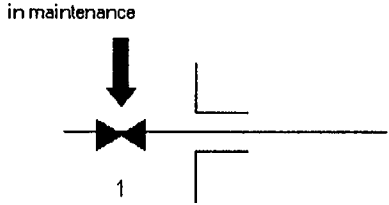
**Table D-2 Tech Spec Category Identification: Class II - Penetration Flow Paths Connected to the RCS (cont.)**

Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
			SOV MOV AOV Check	B B B B	14 14 14 14	168 hrs 168 hrs 168 hrs 168 hrs
3. Group II,B (see Section 8.2.3.2)	Chemical & Volume Control System - Charging Line: • 1 CIV IC normally open - 1 CIV OC, normally open - different valve types		SOV MOV AOV Check	A A A A	7 7 7 7	168 hrs 168 hrs 168 hrs 168 hrs

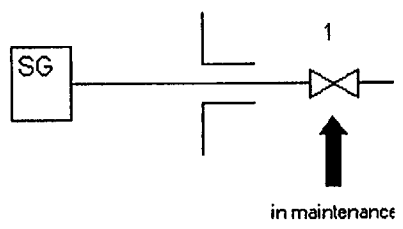
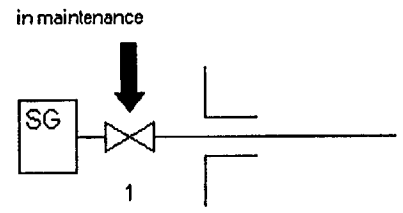


**Table D-2 Tech Spec Category Identification: Class II - Penetration Flow Paths Connected to the RCS (cont.)**

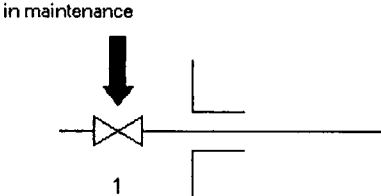
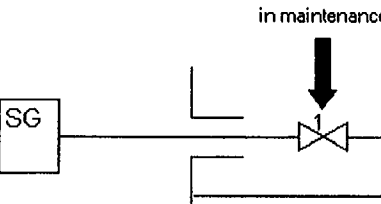
Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
	(The normally open CIV IC has 1 more normally open valves in series between it and the RCS, same valve type)		SOV	B	14	168 hrs
	(The normally open CIV OC has 1 more normally open valve downstream of it, same valve type)		SOV	A	7	168 hrs
		MOV	A	7	168 hrs	
		AOV	A	7	168 hrs	
	Check	A	7	168 hrs		
		SOV	B	14	168 hrs	
	MOV	B	14	168 hrs		
	AOV	B	14	168 hrs		
	Check	B	14	168 hrs		

Table D-3 Tech Spec Category Identification: Class III - Penetration Flow Paths Connected to the SGs						
Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
1. Group III,A (see Section 8.2.4.1)	1 valve - normally closed (valve can be OC or IC)		all	A B	2 9	8 hrs 8 hrs
			all	A	2	8 hrs
			all	B	8	4 hrs

**Table D-3 Tech Spec Category Identification: Class III - Penetration Flow Paths Connected to the SGs**  
(cont.)

Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
2. Group III,A (see Section 8.2.4.1)	1 valve - normally open (valve can be OC or IC)		SOV	A	2	8 hrs
				B	9	8 hrs
			MOV	A	2	8 hrs
				B	9	8 hrs
			AOV	A	2	8 hrs
				B	9	8 hrs
			Check	A	2	8 hrs
				B	9	8 hrs
			SRV	A	2	8 hrs
				B	9	8 hrs
			SOV	A	2	8 hrs
	MOV		A	2	8 hrs	
	AOV		A	2	8 hrs	
	Check		A	2	8 hrs	
	SRV		A	2	8 hrs	

**Table D-3 Tech Spec Category Identification: Class III - Penetration Flow Paths Connected to the SGs**  
(cont.)

Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
			SOV	B	8	4 hrs
			MOV	B	8	4 hrs
			AOV	B	8	4 hrs
			Check	B	8	4 hrs
			SRV	B	8	4 hrs
1. Group III,B (see Section 8.2.4.2)	1 valve - normally open (valve can be OC or IC)		SOV	A	2	8 hrs
			MOV	A	2	8 hrs
			AOV	A	2	8 hrs
			Check	A	2	8 hrs
			SRV	A	2	8 hrs

**Table D-3 Tech Spec Category Identification: Class III - Penetration Flow Paths Connected to the SGs (cont.)**

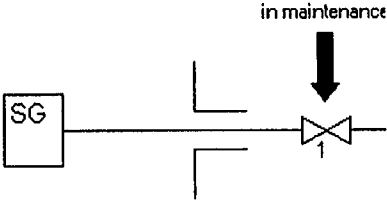
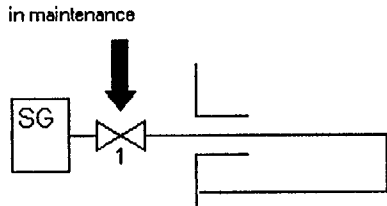
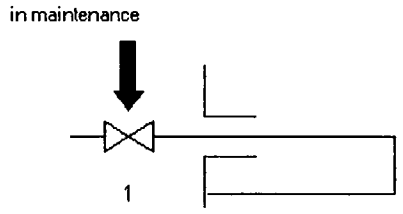
Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
			SOV	B	9	8 hrs
		MOV	B	9	8 hrs	
		AOV	B	9	8 hrs	
		Check	B	9	8 hrs	
		SRV	B	9	8 hrs	
			SOV	A	2	8 hrs
		MOV	A	2	8 hrs	
		AOV	A	2	8 hrs	
		Check	A	2	8 hrs	
		SRV	A	2	8 hrs	

Table D-3 Tech Spec Category Identification: Class III - Penetration Flow Paths Connected to the SGs (cont.)						
Calculation Number and Group	Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Applicable Tech Spec 3.6.3 Condition (A or B)	Completion Time (CT) Category Number	Justified CT
		 <p>The diagram shows a valve symbol (a triangle with a vertical line through it) labeled '1' below it. A thick black arrow points down to the valve from the text 'in maintenance' above it. To the right of the valve, a horizontal line leads to a vertical line, which then turns right to form a U-shaped loop that returns to the horizontal line, representing a penetration path.</p>	SOV	B	9	8 hrs
			MOV	B	9	8 hrs
			AOV	B	9	8 hrs
			Check	B	9	8 hrs
			SRV	B	9	8 hrs

**APPENDIX E****APPLICABLE TECH SPEC 3.6.3 CONDITIONS A AND B**

Table E-1: Penetrations where System Pressure Boundary is Intact – Condition A

Table E-2: Penetrations where System Pressure Boundary is not Intact – Condition B

\*Please note, the information contained within Tables E-1 and E-2 is directly from Tables 8-2, 8-3 and 8-4. Tables E-1 and E-2 are shown to facilitate implementing the information into tech specs.

Table E-1 Applicable Tech Spec 3.6.3 Condition A: Penetrations Where System Pressure Boundary is Intact				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
general penetration type		SRV	1	4 hrs
Residual Heat Removal System (Low Head) - Cold Leg Injection, Recirc to Cold Leg		SOV	1	4 hrs
		MOV	1	4 hrs
		AOV	1	4 hrs
		Check	1	4 hrs
		SOV	1	4 hrs
		MOV	1	4 hrs
		AOV	1	4 hrs
		Check	1	4 hrs



Table E-1 Applicable Tech Spec 3.6.3 Condition A: Penetrations Where System Pressure Boundary is Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
	<p>valve 2 or 4 in maintenance</p>	<p>SOV</p> <p>MOV</p> <p>AOV</p> <p>Check</p>	<p>1</p> <p>1</p> <p>1</p> <p>1</p>	<p>4 hrs</p> <p>4 hrs</p> <p>4 hrs</p> <p>4 hrs</p>
Safety Injection Pump (intermediate head) - Cold Leg Injection, Recirc to Cold Leg	<p>Accumulator Inj Cold Leg 2</p>	<p>SOV</p> <p>MOV</p> <p>AOV</p> <p>Check</p>	<p>1</p> <p>1</p> <p>1</p> <p>1</p>	<p>4 hrs</p> <p>4 hrs</p> <p>4 hrs</p> <p>4 hrs</p>

**Table E-1 Applicable Tech Spec 3.6.3 Condition A: Penetrations Where System Pressure Boundary is Intact (cont.)**

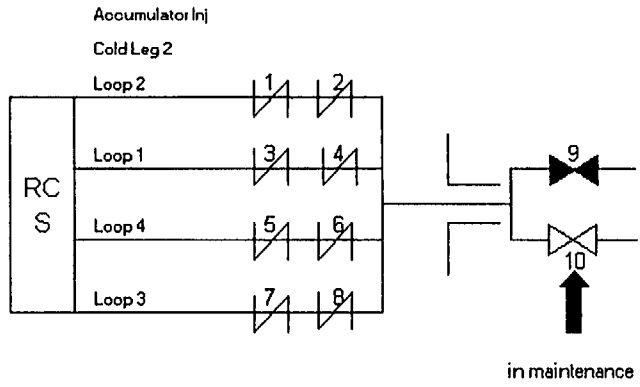
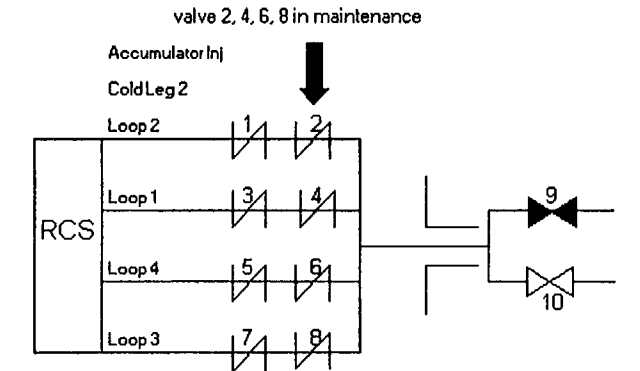
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
	 <p>Accumulator Inj Cold Leg 2 Loop 2 Loop 1 Loop 4 Loop 3</p> <p>RCS</p> <p>9 10 in maintenance</p>	SOV MOV AOV Check	1 1 1 1	4 hrs 4 hrs 4 hrs 4 hrs
	 <p>valve 2, 4, 6, 8 in maintenance</p> <p>Accumulator Inj Cold Leg 2 Loop 2 Loop 1 Loop 4 Loop 3</p> <p>RCS</p> <p>9 10</p>	SOV MOV AOV Check	1 1 1 1	4 hrs 4 hrs 4 hrs 4 hrs

Table E-1 Applicable Tech Spec 3.6.3 Condition A: Penetrations Where System Pressure Boundary is Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
Residual Heat Removal System (Low Head) - Hot Leg to RHR Pumps, RHR Shutdown Lines		all	1	4 hrs
general penetration type		SRV	2	8 hrs
general penetration type		all	2	8 hrs

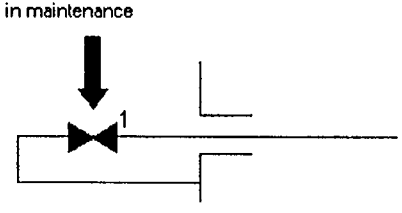
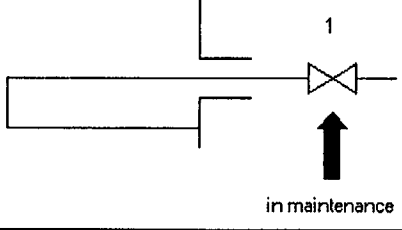
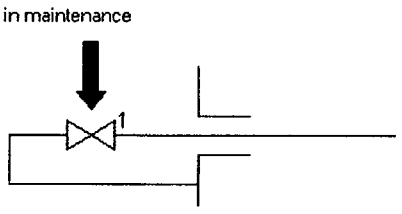
Table E-1 Applicable Tech Spec 3.6.3 Condition A: Penetrations Where System Pressure Boundary is Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
		all	2	8 hrs
general penetration type		SOV	2	8 hrs
		MOV	2	8 hrs
		AOV	2	8 hrs
		Check	2	8 hrs
		SRV	2	8 hrs
		SOV	2	8 hrs
		MOV	2	8 hrs
		AOV	2	8 hrs
		Check	2	8 hrs
		SRV	2	8 hrs

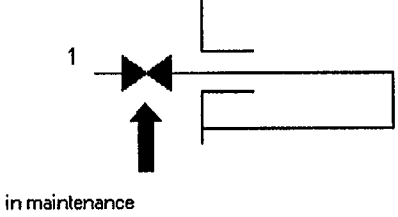
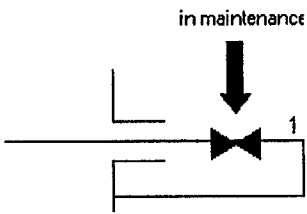
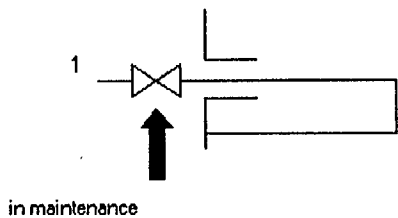
Table E-1 Applicable Tech Spec 3.6.3 Condition A: Penetrations Where System Pressure Boundary is Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
general penetration type	 <p>in maintenance</p>	all	2	8 hrs
	 <p>in maintenance</p>	all	2	8 hrs
general penetration type	 <p>in maintenance</p>	SOV MOV AOV Check SRV	2 2 2 2 2	8 hrs 8 hrs 8 hrs 8 hrs 8 hrs

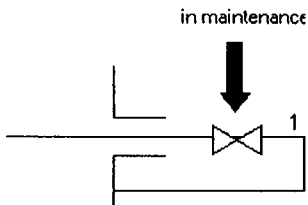
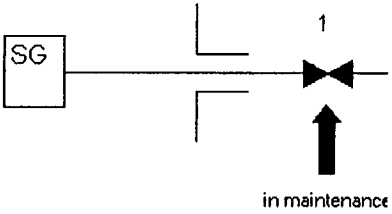
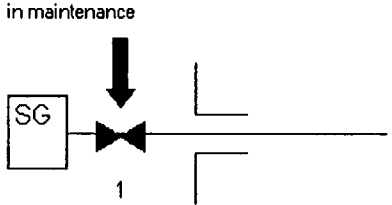
Table E-1 Applicable Tech Spec 3.6.3 Condition A: Penetrations Where System Pressure Boundary is Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
		SOV	2	8 hrs
		MOV	2	8 hrs
		AOV	2	8 hrs
		Check	2	8 hrs
		SRV	2	8 hrs
general penetration type		all	2	8 hrs
		all	2	8 hrs

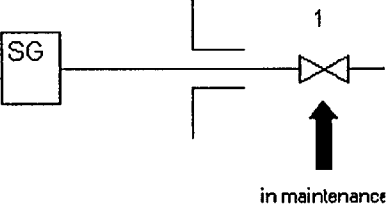
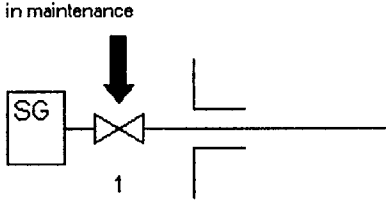
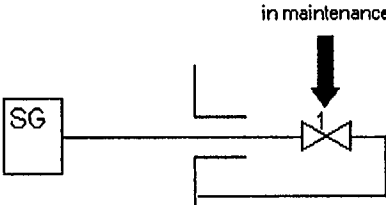
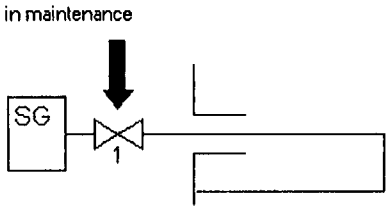
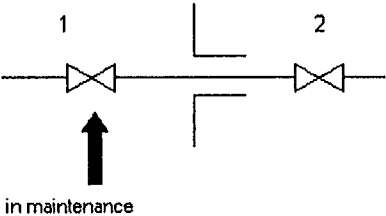
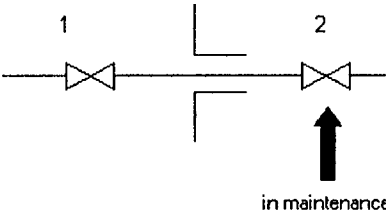
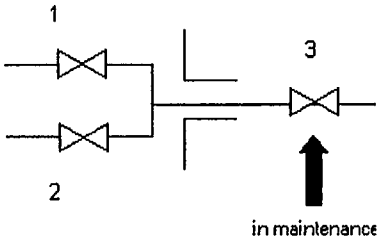
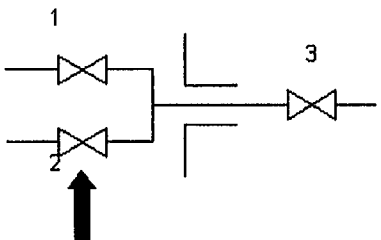
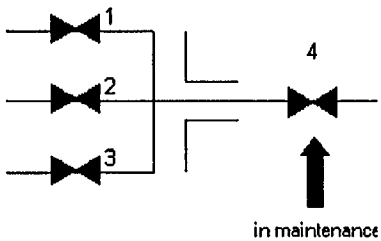
Table E-1 Applicable Tech Spec 3.6.3 Condition A: Penetrations Where System Pressure Boundary is Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
general penetration type		SOV	2	8 hrs
		MOV	2	8 hrs
		AOV	2	8 hrs
		Check	2	8 hrs
		SRV	2	8 hrs
		SOV	2	8 hrs
		MOV	2	8 hrs
		AOV	2	8 hrs
		Check	2	8 hrs
		SRV	2	8 hrs
general penetration type		SOV	2	8 hrs
		MOV	2	8 hrs
		AOV	2	8 hrs
		Check	2	8 hrs
		SRV	2	8 hrs

Table E-1 Applicable Tech Spec 3.6.3 Condition A: Penetrations Where System Pressure Boundary is Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
		SOV	2	8 hrs
		MOV	2	8 hrs
		AOV	2	8 hrs
		Check	2	8 hrs
		SRV	2	8 hrs
general penetration type		SRV	3	12 hrs
		SRV	3	12 hrs



**Table E-1 Applicable Tech Spec 3.6.3 Condition A: Penetrations Where System Pressure Boundary is Intact (cont.)**

Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
general penetration type	 <p style="text-align: center;">in maintenance</p>	SOV AOV	3 3	12 hrs 12 hrs
	 <p style="text-align: center;">valve 1 or 2 in maintenance</p>	SRV	3	12 hrs
general penetration type	 <p style="text-align: center;">in maintenance</p>	all	3	12 hrs

<b>Table E-1 Applicable Tech Spec 3.6.3 Condition A: Penetrations Where System Pressure Boundary is Intact</b> (cont.)				
<b>Penetration Description</b>	<b>Penetration Type</b>	<b>Valve Type Assumption</b> (see assumption 7 of Section 8.2)	<b>Completion Time (CT) Category Number</b>	<b>Justified CT</b>
general penetration type		SOV MOV AOV Check	3 3 3 3	12 hrs 12 hrs 12 hrs 12 hrs
		SRV	3	12 hrs
general penetration type		SRV	3	12 hrs

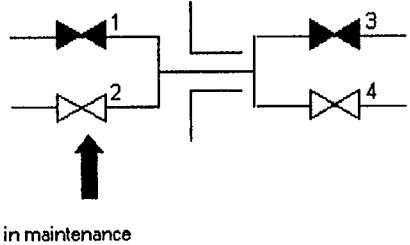
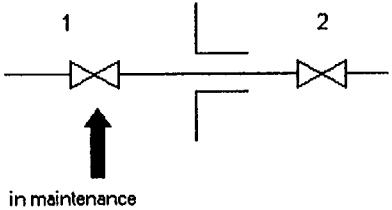
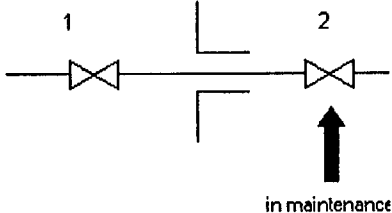
Table E-1 Applicable Tech Spec 3.6.3 Condition A: Penetrations Where System Pressure Boundary is Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
		SRV	3	12 hrs
general penetration type		SOV	4	24 hrs
		AOV	4	24 hrs
		SOV	4	24 hrs
		AOV	4	24 hrs

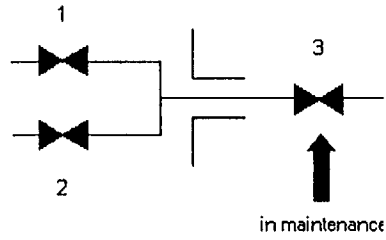
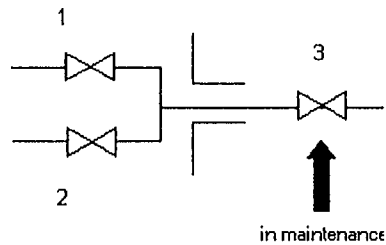
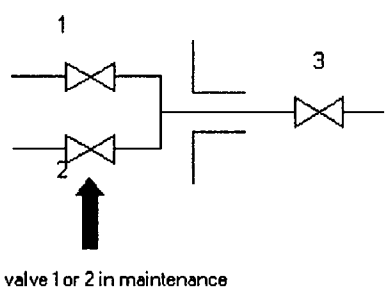
Table E-1 Applicable Tech Spec 3.6.3 Condition A: Penetrations Where System Pressure Boundary is Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
general penetration type		all	4	24 hrs
general penetration type		MOV Check	4 4	24 hrs 24 hrs
		SOV AOV	4 4	24 hrs 24 hrs

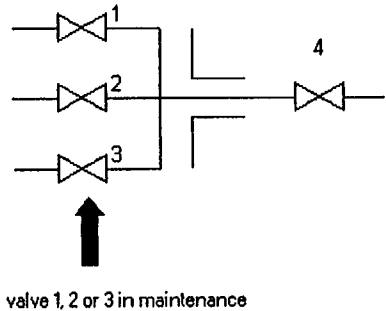
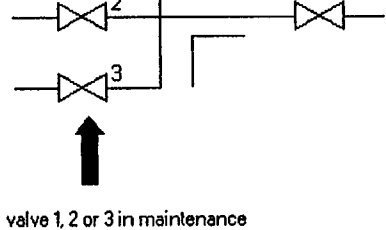
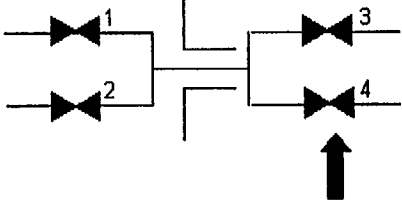
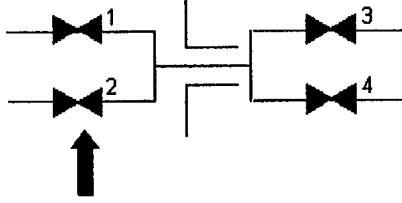
Table E-1 Applicable Tech Spec 3.6.3 Condition A: Penetrations Where System Pressure Boundary is Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
general penetration type	 <p>valve 1, 2 or 3 in maintenance</p>	SOV	4	24 hrs
	 <p>valve 1, 2 or 3 in maintenance</p>	AOV	4	24 hrs
general penetration type	 <p>valve 3 or 4 in maintenance</p>	all	4	24 hrs
	 <p>valve 1 or 2 in maintenance</p>	all	4	24 hrs

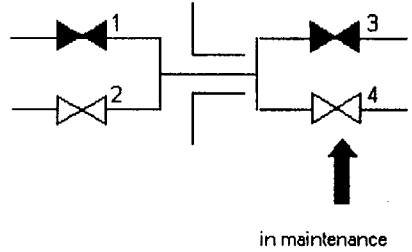
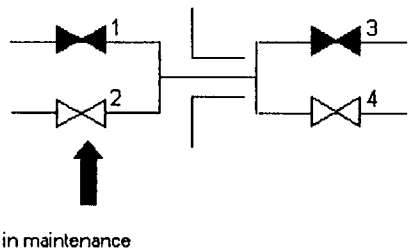
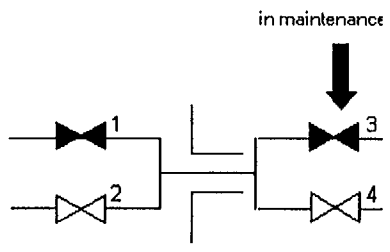
Table E-1 Applicable Tech Spec 3.6.3 Condition A: Penetrations Where System Pressure Boundary is Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
general penetration type		SOV	4	24 hrs
		AOV	4	24 hrs
		SOV	4	24 hrs
		AOV	4	24 hrs
		SOV	4	24 hrs
		AOV	4	24 hrs
		SRV	4	24 hrs

Table E-1 Applicable Tech Spec 3.6.3 Condition A: Penetrations Where System Pressure Boundary is Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
		SOV AOV SRV	4 4 4	24 hrs 24 hrs 24 hrs
general penetration type		SRV	4	24 hrs
		SRV	4	24 hrs

<b>Table E-1 Applicable Tech Spec 3.6.3 Condition A: Penetrations Where System Pressure Boundary is Intact</b> (cont.)				
<b>Penetration Description</b>	<b>Penetration Type</b>	<b>Valve Type Assumption</b> (see assumption 7 of Section 8.2)	<b>Completion Time (CT) Category Number</b>	<b>Justified CT</b>
general penetration type		SRV	4	24 hrs
		SRV	4	24 hrs
general penetration type		SRV	4	24 hrs



Table E-1 Applicable Tech Spec 3.6.3 Condition A: Penetrations Where System Pressure Boundary is Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
		SRV	4	24 hrs
Pressurizer Liquid Sample Line		SOV AOV	4 4	24 hrs 24 hrs
		SOV AOV	4 4	24 hrs 24 hrs

Table E-1 Applicable Tech Spec 3.6.3 Condition A: Penetrations Where System Pressure Boundary is Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
Post Accident Sample Line		all	4	24 hrs
Chemical & Volume Control System -Normal Letdown Legs		SOV MOV AOV Check	4 4 4 4	24 hrs 24 hrs 24 hrs 24 hrs

Table E-1 Applicable Tech Spec 3.6.3 Condition A: Penetrations Where System Pressure Boundary is Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
		SOV MOV AOV Check	4 4 4 4	24 hrs 24 hrs 24 hrs 24 hrs
Chemical & Volume Control System -Normal Letdown Legs		SOV MOV AOV Check	4 4 4 4	24 hrs 24 hrs 24 hrs 24 hrs

**Table E-1 Applicable Tech Spec 3.6.3 Condition A: Penetrations Where System Pressure Boundary is Intact (cont.)**

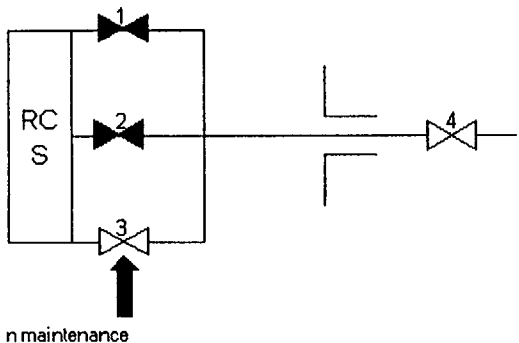
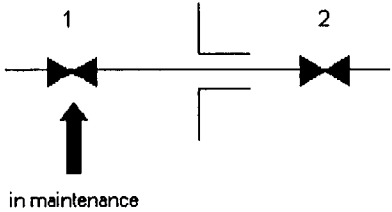
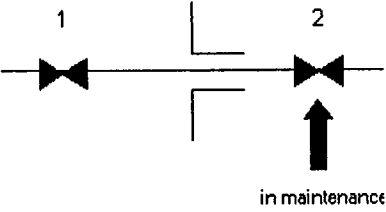
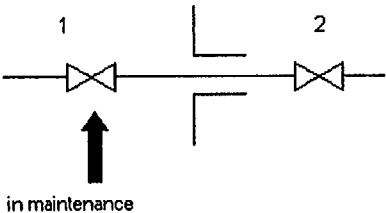
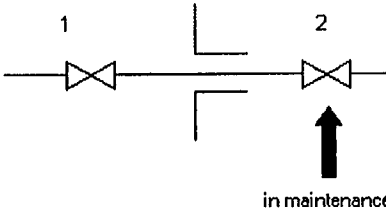
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
		SOV MOV AOV Check	4 4 4 4	24 hrs 24 hrs 24 hrs 24 hrs
general penetration type		all	5	48 hrs

Table E-1 Applicable Tech Spec 3.6.3 Condition A: Penetrations Where System Pressure Boundary is Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
		all	5	48 hrs
general penetration type		MOV	5	48 hrs
		Check	5	48 hrs
		MOV	5	48 hrs
		Check	5	48 hrs

**Table E-1 Applicable Tech Spec 3.6.3 Condition A: Penetrations Where System Pressure Boundary is Intact (cont.)**

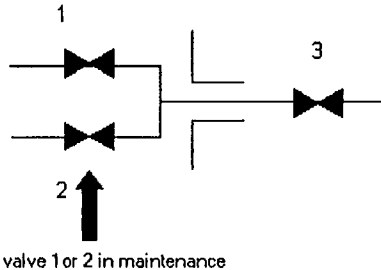
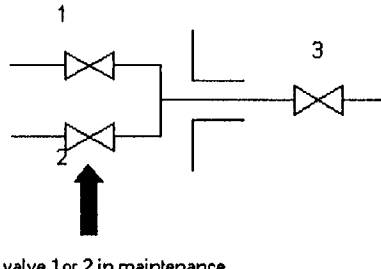
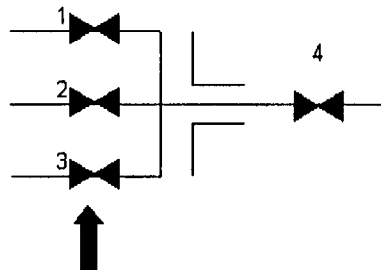
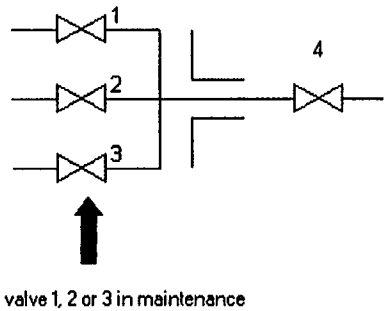
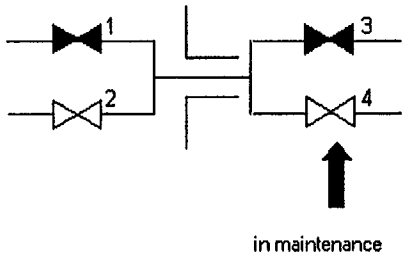
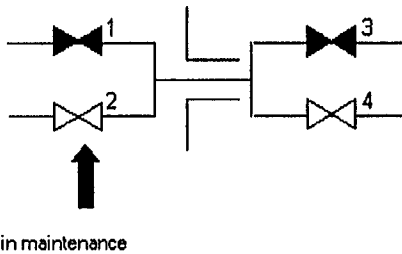
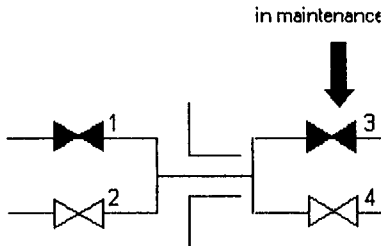
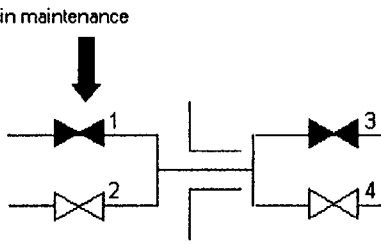
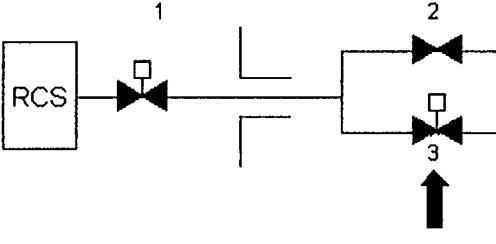
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
general penetration type	 <p>Diagram showing two parallel valves (1 and 2) on the left side of a penetration, and one valve (3) on the right side. An arrow points to valve 2 with the text "valve 1 or 2 in maintenance".</p>	all	5	48 hrs
general penetration type	 <p>Diagram showing two parallel valves (1 and 2) on the left side of a penetration, and one valve (3) on the right side. An arrow points to valve 2 with the text "valve 1 or 2 in maintenance".</p>	MOV Check	5 5	48 hrs 48 hrs
general penetration type	 <p>Diagram showing three parallel valves (1, 2, and 3) on the left side of a penetration, and one valve (4) on the right side. An arrow points to valve 3 with the text "valve 1, 2 or 3 in maintenance".</p>	all	5	48 hrs

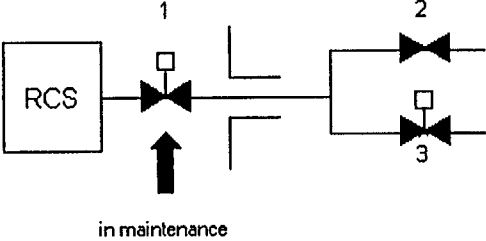
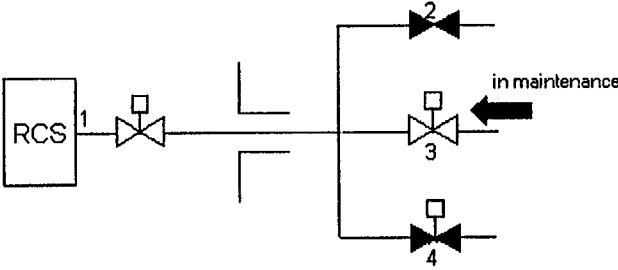
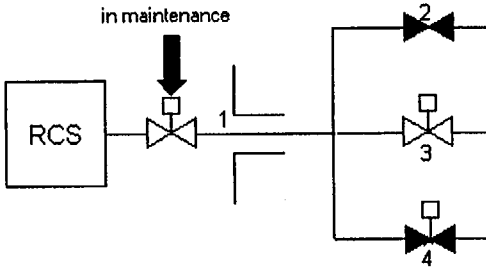
Table E-1 Applicable Tech Spec 3.6.3 Condition A: Penetrations Where System Pressure Boundary is Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
general penetration type	 <p>valve 1, 2 or 3 in maintenance</p>	MOV	5	48 hrs
		Check	5	48 hrs
general penetration type	 <p>in maintenance</p>	MOV	5	48 hrs
		Check	5	48 hrs
	 <p>in maintenance</p>	MOV	5	48 hrs
		Check	5	48 hrs

**Table E-1 Applicable Tech Spec 3.6.3 Condition A: Penetrations Where System Pressure Boundary is Intact (cont.)**

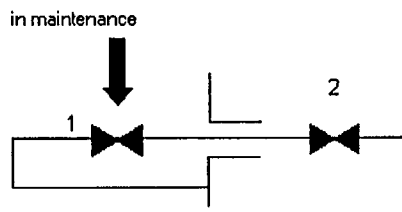
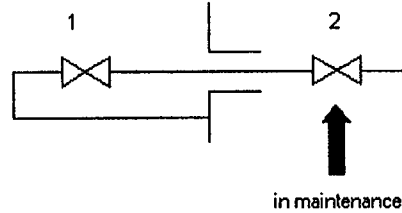
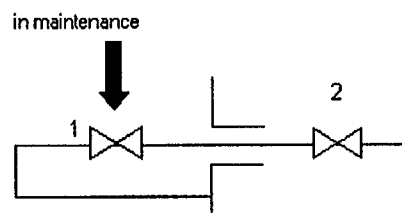
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
	 <p style="text-align: center;">in maintenance</p>	MOV	5	48 hrs
	 <p style="text-align: center;">in maintenance</p>	MOV	5	48 hrs
Pressurizer Vapor Sample Line	 <p style="text-align: center;">in maintenance</p>	all	5	48 hrs



**Table E-1 Applicable Tech Spec 3.6.3 Condition A: Penetrations Where System Pressure Boundary is Intact (cont.)**

Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
	 <p>The diagram shows a rectangular box labeled 'RCS' on the left. A pipe extends from the right side of the box to a valve labeled '1'. An upward-pointing arrow below valve 1 is labeled 'in maintenance'. The pipe continues from valve 1 to a junction. From this junction, two parallel pipes branch out to the right. The upper pipe contains valve '2', and the lower pipe contains valve '3'.</p>	all	5	48 hrs
Pressurizer Liquid Sample Line	 <p>The diagram shows a rectangular box labeled 'RCS' on the left. A pipe extends from the right side of the box to valve '1'. The pipe continues from valve 1 to a junction. From this junction, three parallel pipes branch out to the right. The upper pipe contains valve '2', the middle pipe contains valve '3', and the lower pipe contains valve '4'. An arrow points to valve 3 from the right, labeled 'in maintenance'.</p>	MOV Check	5 5	48 hrs 48 hrs
	 <p>The diagram shows a rectangular box labeled 'RCS' on the left. A pipe extends from the right side of the box to valve '1'. A downward-pointing arrow above valve 1 is labeled 'in maintenance'. The pipe continues from valve 1 to a junction. From this junction, three parallel pipes branch out to the right. The upper pipe contains valve '2', the middle pipe contains valve '3', and the lower pipe contains valve '4'.</p>	MOV Check	5 5	48 hrs 48 hrs

<b>Table E-1 Applicable Tech Spec 3.6.3 Condition A: Penetrations Where System Pressure Boundary is Intact</b> (cont.)				
<b>Penetration Description</b>	<b>Penetration Type</b>	<b>Valve Type Assumption</b> (see assumption 7 of Section 8.2)	<b>Completion Time (CT) Category Number</b>	<b>Justified CT</b>
general penetration type		SOV AOV SRV	6 6 6	72 hrs 72 hrs 72 hrs
general penetration type		SOV AOV SRV	6 6 6	72 hrs 72 hrs 72 hrs
general penetration type		all	6	72 hrs

Table E-1 Applicable Tech Spec 3.6.3 Condition A: Penetrations Where System Pressure Boundary is Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
		all	6	72 hrs
general penetration type		SOV	6	72 hrs
		MOV	6	72 hrs
		AOV	6	72 hrs
		Check	6	72 hrs
		SOV	6	72 hrs
		MOV	6	72 hrs
		AOV	6	72 hrs
		Check	6	72 hrs

**Table E-1 Applicable Tech Spec 3.6.3 Condition A: Penetrations Where System Pressure Boundary is Intact (cont.)**

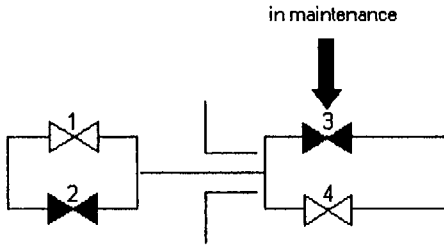
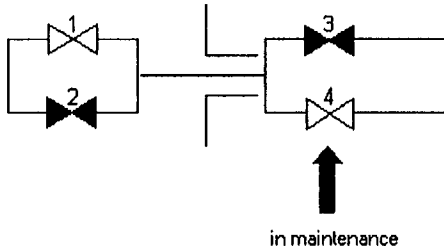
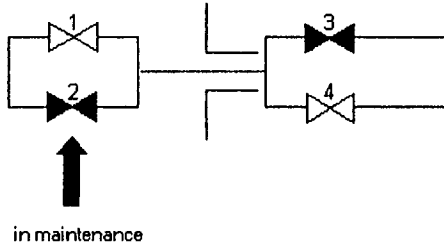
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
general penetration type		SOV	6	72 hrs
		MOV	6	72 hrs
		AOV	6	72 hrs
		Check	6	72 hrs
		SRV	6	72 hrs
		SOV	6	72 hrs
		MOV	6	72 hrs
		AOV	6	72 hrs
		Check	6	72 hrs
		SOV	6	72 hrs
		MOV	6	72 hrs
		AOV	6	72 hrs
		Check	6	72 hrs
		SRV	6	72 hrs

Table E-1 Applicable Tech Spec 3.6.3 Condition A: Penetrations Where System Pressure Boundary is Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
	<p>The diagram shows a horizontal pipe with a vertical penetration. Four valves are shown: Valve 1 is on the top branch of the penetration and is labeled 'in maintenance' with a downward arrow. Valves 2, 3, and 4 are on the main horizontal pipe. Valve 2 is on the left side, and valves 3 and 4 are on the right side.</p>	SOV MOV AOV Check	6 6 6 6	72 hrs 72 hrs 72 hrs 72 hrs
general penetration type	<p>The diagram shows a horizontal pipe with a vertical penetration. Two valves are shown: Valve 1 is on the left side of the main pipe and is labeled 'in maintenance' with an upward arrow. Valve 2 is on the right side of the main pipe.</p>	all	6	72 hrs
	<p>The diagram shows a horizontal pipe with a vertical penetration. Two valves are shown: Valve 1 is on the left side of the main pipe. Valve 2 is on the right side of the main pipe and is labeled 'in maintenance' with a downward arrow.</p>	all	6	72 hrs

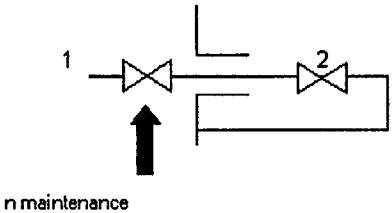
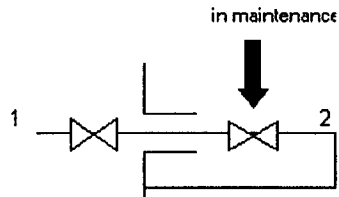
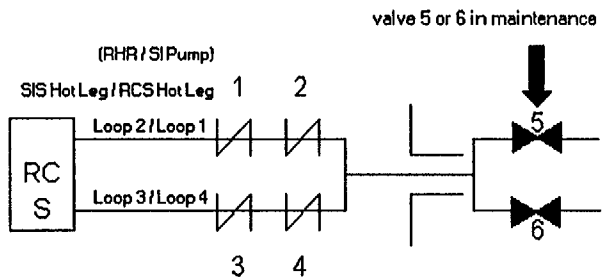
Table E-1 Applicable Tech Spec 3.6.3 Condition A: Penetrations Where System Pressure Boundary is Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
general penetration type		SOV	6	72 hrs
		SOV	6	72 hrs
Residual Heat Removal System (Low Head) - Hot Leg Injection, Recirc to Hot Leg  OR  Safety Injection Pump (Intermediate Head) - Hot Leg Injection, Recirc to Hot Leg		all	6	72 hrs

Table E-1 Applicable Tech Spec 3.6.3 Condition A: Penetrations Where System Pressure Boundary is Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
	<p>valve 2 or 4 in maintenance</p> <p>(RHR/SIPump) SIS Hot Leg/RCS Hot Leg</p>	all	6	72 hrs
Centrifugal Charging Pumps (High Head) - Recirc to Hot Legs	<p>RCS Hot Legs Leg A Leg B Leg C</p>	all	6	72 hrs
general penetration type		all	7	168 hrs

**Table E-1 Applicable Tech Spec 3.6.3 Condition A: Penetrations Where System Pressure Boundary is Intact (cont.)**

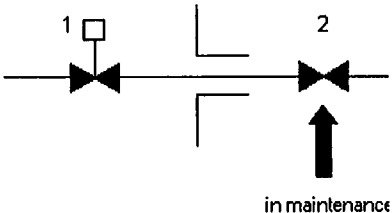
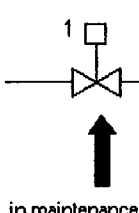
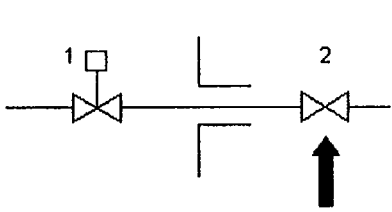
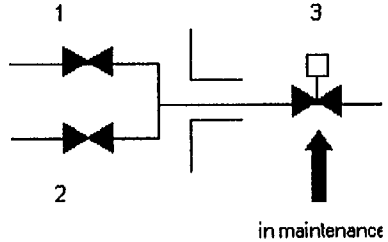
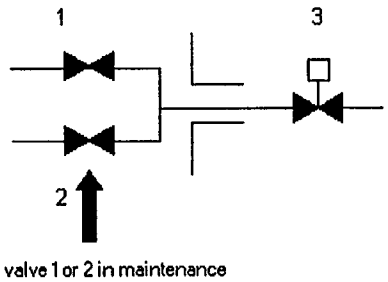
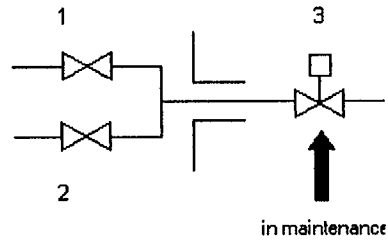
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
		all	7	168 hrs
general penetration type		SOV MOV AOV Check SRV	7 7 7 7 7	168 hrs 168 hrs 168 hrs 168 hrs 168 hrs
		SOV MOV AOV Check SRV	7 7 7 7 7	168 hrs 168 hrs 168 hrs 168 hrs 168 hrs



Table E-1 Applicable Tech Spec 3.6.3 Condition A: Penetrations Where System Pressure Boundary is Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
general penetration type	 <p>1 3 2 in maintenance</p>	all	7	168 hrs
	 <p>1 3 2 valve 1 or 2 in maintenance</p>	all	7	168 hrs
general penetration type	 <p>1 3 2 in maintenance</p>	MOV Check	7 7	168 hrs 168 hrs

**Table E-1 Applicable Tech Spec 3.6.3 Condition A: Penetrations Where System Pressure Boundary is Intact (cont.)**

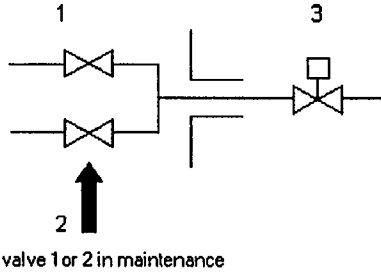
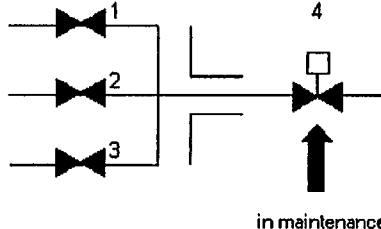
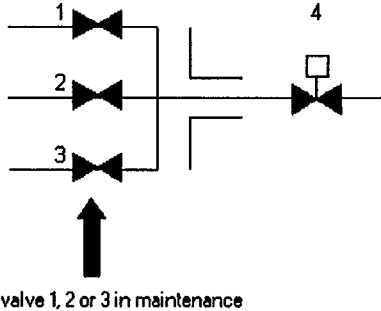
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
		SOV MOV AOV Check SRV	7 7 7 7 7	168 hrs 168 hrs 168 hrs 168 hrs 168 hrs
general penetration type		all	7	168 hrs
		all	7	168 hrs

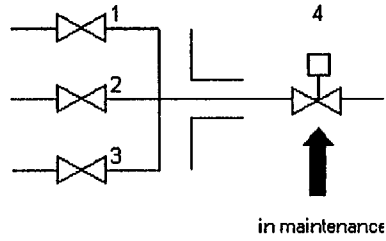
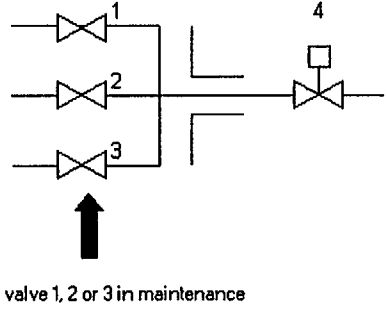
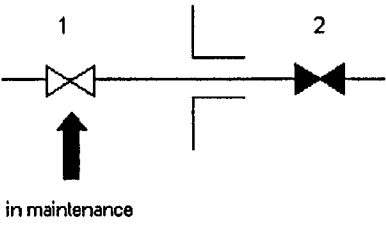
Table E-1 Applicable Tech Spec 3.6.3 Condition A: Penetrations Where System Pressure Boundary is Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
general penetration type		MOV	7	168 hrs
		Check	7	168 hrs
general penetration type		SOV	7	168 hrs
		MOV	7	168 hrs
		AOV	7	168 hrs
		Check	7	168 hrs
		SRV	7	168 hrs
general penetration type		SOV	7	168 hrs
		MOV	7	168 hrs
		AOV	7	168 hrs
		Check	7	168 hrs
		SRV	7	168 hrs

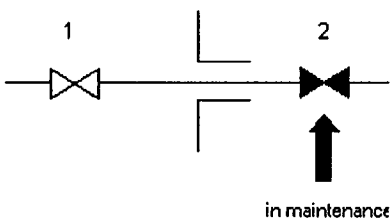
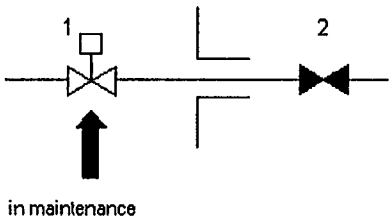
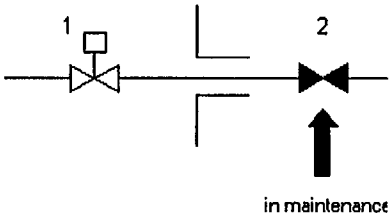
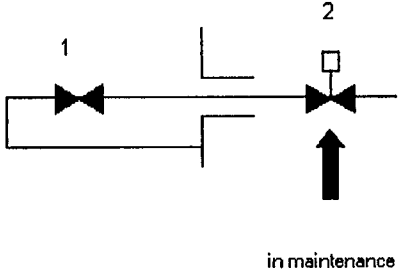
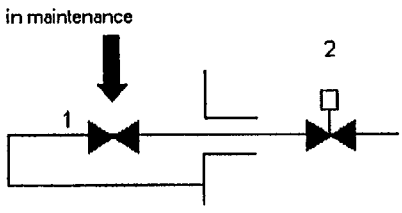
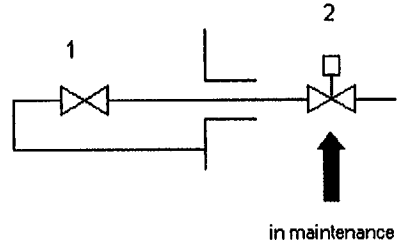
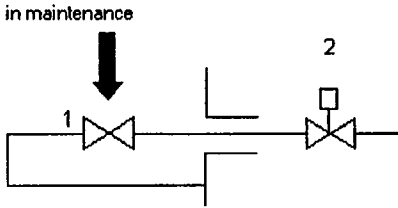
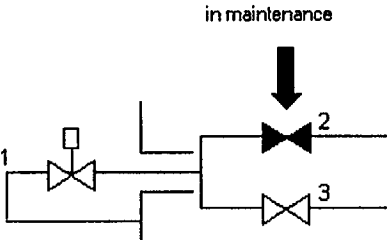
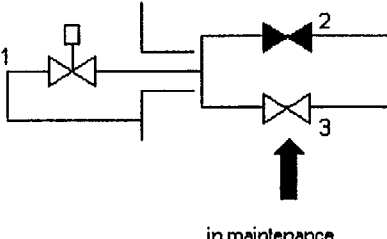
Table E-1 Applicable Tech Spec 3.6.3 Condition A: Penetrations Where System Pressure Boundary is Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
		SOV	7	168 hrs
		MOV	7	168 hrs
		AOV	7	168 hrs
		Check	7	168 hrs
		SRV	7	168 hrs
general penetration type		SOV	7	168 hrs
		MOV	7	168 hrs
		AOV	7	168 hrs
		Check	7	168 hrs
		SRV	7	168 hrs
		SOV	7	168 hrs
		MOV	7	168 hrs
		AOV	7	168 hrs
		Check	7	168 hrs
		SRV	7	168 hrs

Table E-1 Applicable Tech Spec 3.6.3 Condition A: Penetrations Where System Pressure Boundary is Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
general penetration type	 <p>in maintenance</p>	all	7	168 hrs
	 <p>in maintenance</p>	all	7	168 hrs
general penetration type	 <p>in maintenance</p>	SOV	7	168 hrs
		MOV	7	168 hrs
		AOV	7	168 hrs
		Check	7	168 hrs
		SRV	7	168 hrs

**Table E-1 Applicable Tech Spec 3.6.3 Condition A: Penetrations Where System Pressure Boundary is Intact (cont.)**

Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
		SOV	7	168 hrs
general penetration type		SOV	7	168 hrs
		SOV	7	168 hrs
		MOV	7	168 hrs
		AOV	7	168 hrs
		Check	7	168 hrs
		SRV	7	168 hrs

**Table E-1 Applicable Tech Spec 3.6.3 Condition A: Penetrations Where System Pressure Boundary is Intact (cont.)**

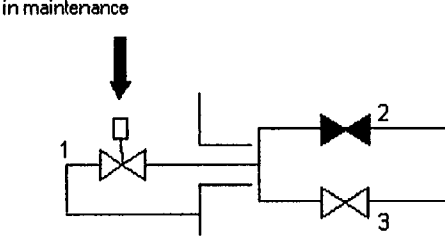
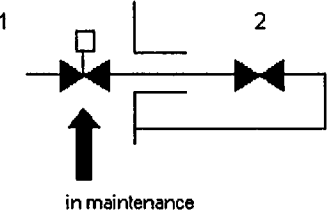
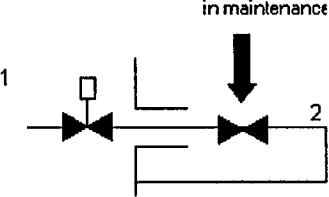
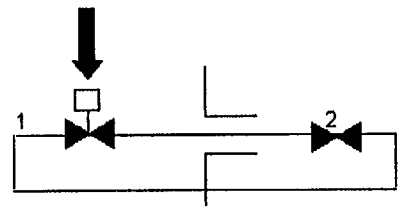
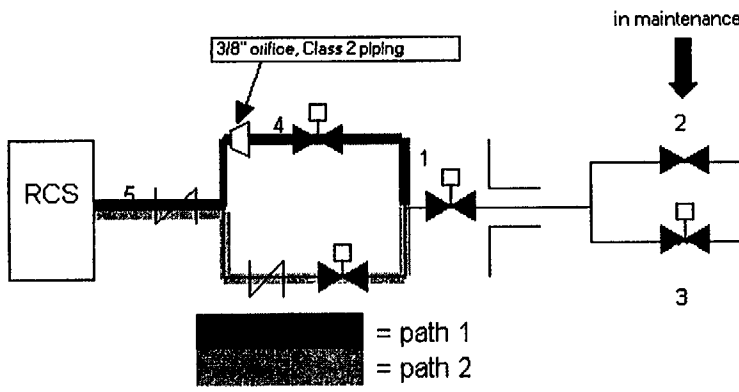
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
		SOV MOV AOV Check SRV	7 7 7 7 7	168 hrs 168 hrs 168 hrs 168 hrs 168 hrs
general penetration type		all	7	168 hrs
		all	7	168 hrs

Table E-1 Applicable Tech Spec 3.6.3 Condition A: Penetrations Where System Pressure Boundary is Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
general penetration type		SOV	7	168 hrs
		MOV	7	168 hrs
		AOV	7	168 hrs
		Check	7	168 hrs
		SRV	7	168 hrs
		SOV	7	168 hrs
		MOV	7	168 hrs
		AOV	7	168 hrs
		Check	7	168 hrs
		SRV	7	168 hrs
general penetration type		all	7	168 hrs



Table E-1 Applicable Tech Spec 3.6.3 Condition A: Penetrations Where System Pressure Boundary is Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
	<p>in maintenance</p> 	all	7	168 hrs
ECCS Test Line Return - High Pressure Coolant Injection System		all	7	168 hrs

<b>Table E-1 Applicable Tech Spec 3.6.3 Condition A: Penetrations Where System Pressure Boundary is Intact (cont.)</b>				
<b>Penetration Description</b>	<b>Penetration Type</b>	<b>Valve Type Assumption</b> (see assumption 7 of Section 8.2)	<b>Completion Time (CT) Category Number</b>	<b>Justified CT</b>
	<p>3/8" orifice, Class 2 piping</p> <p>RCS</p> <p>5 4 1 2 3</p> <p>= path 1 = path 2</p> <p>in maintenance</p>	all	7	168 hrs
	<p>3/8" orifice, Class 2 piping</p> <p>RCS</p> <p>5 4 1 2 3</p> <p>= path 1 = path 2</p> <p>in maintenance</p>	all	7	168 hrs

Table E-1 Applicable Tech Spec 3.6.3 Condition A: Penetrations Where System Pressure Boundary is Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
Pressurizer Vapor Sample Line		all	7	168 hrs
Pressurizer Liquid Sample Line		SOV MOV AOV Check	7 7 7 7	168 hrs 168 hrs 168 hrs 168 hrs

**Table E-1 Applicable Tech Spec 3.6.3 Condition A: Penetrations Where System Pressure Boundary is Intact (cont.)**

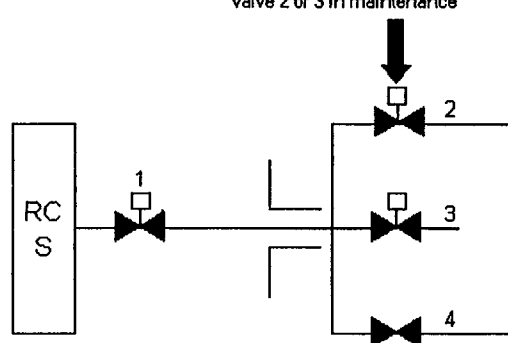
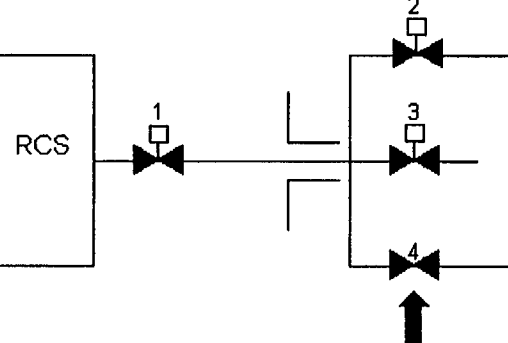
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
Post Accident Sample Line	<p style="text-align: center;">valve 2 or 3 in maintenance</p> 	all	7	168 hrs
		all	7	168 hrs

Table E-1 Applicable Tech Spec 3.6.3 Condition A: Penetrations Where System Pressure Boundary is Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
RVLIS Sample Line - Reactor Coolant System		LISs	7	168 hrs
		sensors	7	168 hrs
Centrifugal Charging Pumps (High Head) - Cold Leg Injection, Recirc to Cold Legs		all	7	168 hrs

Table E-1 Applicable Tech Spec 3.6.3 Condition A: Penetrations Where System Pressure Boundary is Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
		all	7	168 hrs
Centrifugal Charging Pumps (High Head) - Injection to Cold Legs, Recirc to Cold Legs		all	7	168 hrs

Table E-1 Applicable Tech Spec 3.6.3 Condition A: Penetrations Where System Pressure Boundary is Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
	<p>valve 4, 5 or 6 in maintenance</p> <p>RCSCold Legs</p> <p>Leg A 1 4</p> <p>Leg B 2 5</p> <p>Leg C 3 6</p> <p>7 8</p> <p>9</p>	all	7	168 hrs
Chemical & Volume Control System -Normal Letdown Legs	<p>RC S</p> <p>1</p> <p>2</p> <p>3</p> <p>in maintenance</p>	SOV MOV AOV Check	7 7 7 7	168 hrs 168 hrs 168 hrs 168 hrs

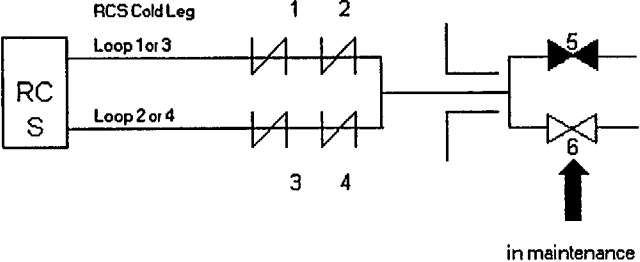
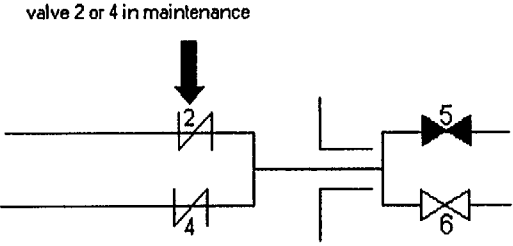
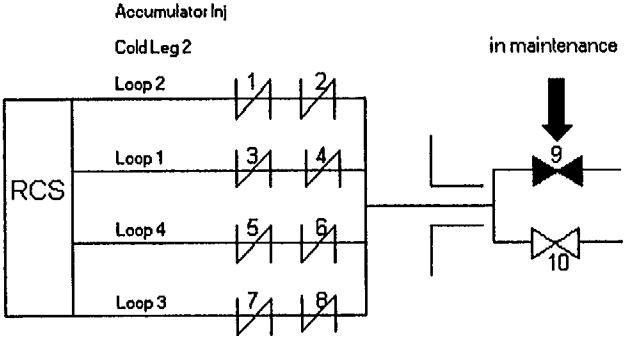
Table E-1 Applicable Tech Spec 3.6.3 Condition A: Penetrations Where System Pressure Boundary is Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
Chemical & Volume Control System -Normal Letdown Legs		SOV	7	168 hrs
		MOV	7	168 hrs
		AOV	7	168 hrs
		Check	7	168 hrs
Chemical & Volume Control System - Charging Line		SOV	7	168 hrs
		MOV	7	168 hrs
		AOV	7	168 hrs
		Check	7	168 hrs
		SOV	7	168 hrs
		MOV	7	168 hrs
		AOV	7	168 hrs
		Check	7	168 hrs



Table E-2 Applicable Tech Spec 3.6.3 Condition B: Penetrations where System Pressure Boundary is Not Intact				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
general penetration type		SRV	8	4 hrs
general penetration type		all	8	4 hrs
general penetration type		SOV MOV AOV Check SRV	8 8 8 8 8	4 hrs 4 hrs 4 hrs 4 hrs 4 hrs

Table E-2 Applicable Tech Spec 3.6.3 Condition B: Penetrations where System Pressure Boundary is Not Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
general penetration type	<p style="text-align: center;">in maintenance</p>	all	8	4 hrs
general penetration type	<p style="text-align: center;">in maintenance</p>	SOV MOV AOV Check SRV	8 8 8 8 8	4 hrs 4 hrs 4 hrs 4 hrs 4 hrs
Residual Heat Removal System (Low Head) - Cold Leg Injection, Recirc to Cold Leg	<p style="text-align: center;">in maintenance</p>	SOV MOV AOV Check	8 8 8 8	4 hrs 4 hrs 4 hrs 4 hrs

**Table E-2 Applicable Tech Spec 3.6.3 Condition B: Penetrations where System Pressure Boundary is Not Intact (cont.)**

Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
	 <p>RCS Cold Leg Loop 1 or 3 Loop 2 or 4 1 2 3 4 5 6 in maintenance</p>	SOV MOV AOV Check	8 8 8 8	4 hrs 4 hrs 4 hrs 4 hrs
	 <p>valve 2 or 4 in maintenance 2 4 5 6</p>	SOV MOV AOV Check	8 8 8 8	4 hrs 4 hrs 4 hrs 4 hrs
Safety Injection Pump (intermediate head) - Cold Leg Injection, Recirc to Cold Leg	 <p>Accumulator Inj Cold Leg 2 Loop 2 Loop 1 Loop 4 Loop 3 1 2 3 4 5 6 7 8 9 10 in maintenance</p>	SOV MOV AOV Check	8 8 8 8	4 hrs 4 hrs 4 hrs 4 hrs

**Table E-2 Applicable Tech Spec 3.6.3 Condition B: Penetrations where System Pressure Boundary is Not Intact (cont.)**

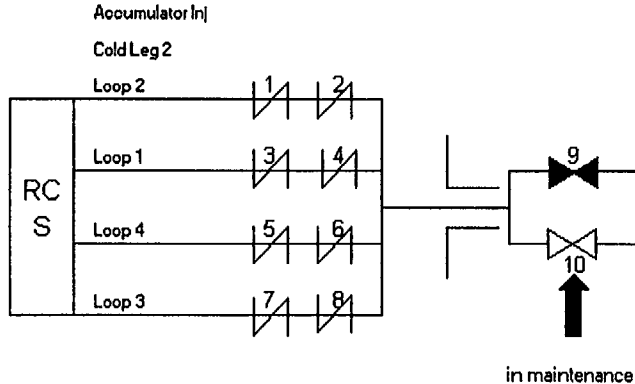
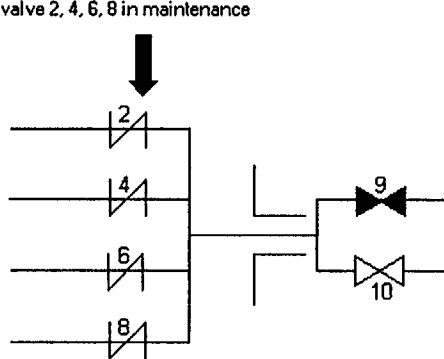
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
	 <p>Accumulator Inj Cold Leg 2 Loop 2 Loop 1 Loop 4 Loop 3 RC S 9 10 in maintenance</p>	SOV MOV AOV Check	8 8 8 8	4 hrs 4 hrs 4 hrs 4 hrs
	 <p>valve 2, 4, 6, 8 in maintenance 2 4 6 8 9 10</p>	SOV MOV AOV Check	8 8 8 8	4 hrs 4 hrs 4 hrs 4 hrs

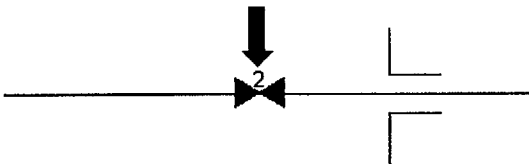
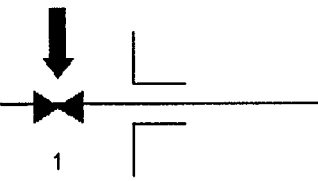
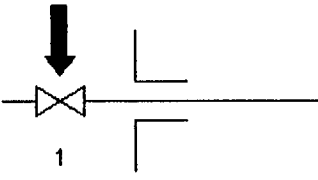
Table E-2 Applicable Tech Spec 3.6.3 Condition B: Penetrations where System Pressure Boundary is Not Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
Residual Heat Removal System (Low Head) - Hot Leg to RHR Pumps, RHR Shutdown Lines	<p style="text-align: center;">in maintenance</p> 	all	8	4 hrs
general penetration type	<p style="text-align: center;">in maintenance</p> 	all	8	4 hrs
general penetration type	<p style="text-align: center;">in maintenance</p> 	SOV MOV AOV Check SRV	8	4 hrs

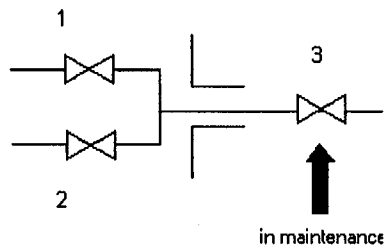
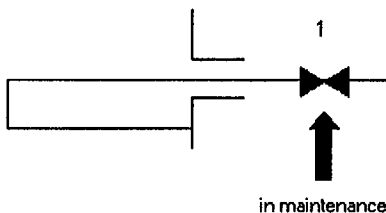
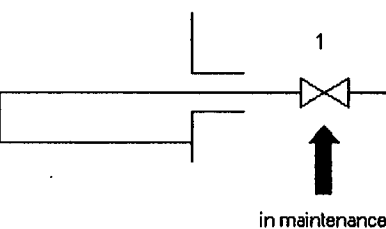
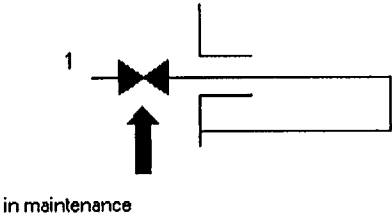
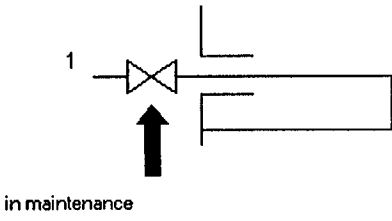
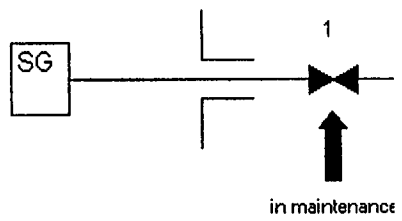
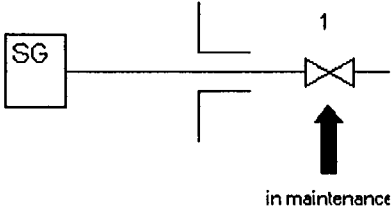
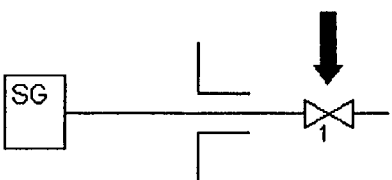
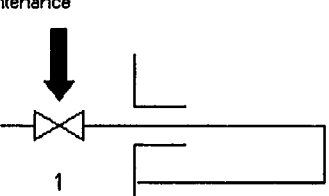
Table E-2 Applicable Tech Spec 3.6.3 Condition B: Penetrations where System Pressure Boundary is Not Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
general penetration type		SRV	9	8 hrs
general penetration type		all	9	8 hrs
general penetration type		SOV MOV AOV Check SRV	9 9 9 9 9	8 hrs 8 hrs 8 hrs 8 hrs 8 hrs

Table E-2 Applicable Tech Spec 3.6.3 Condition B: Penetrations where System Pressure Boundary is Not Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
general penetration type		all	9	8 hrs
general penetration type		SOV MOV AOV Check SRV	9	8 hrs
general penetration type		all	9	8 hrs

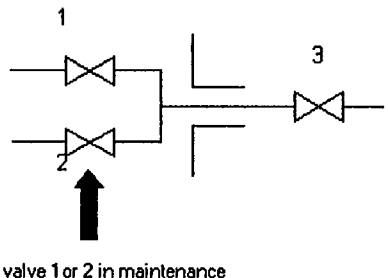
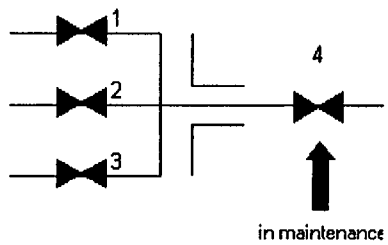
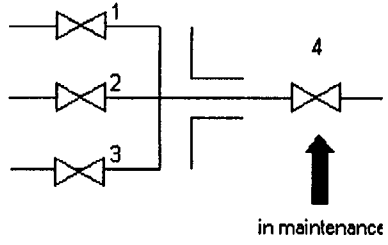
**Table E-2 Applicable Tech Spec 3.6.3 Condition B: Penetrations where System Pressure Boundary is Not Intact (cont.)**

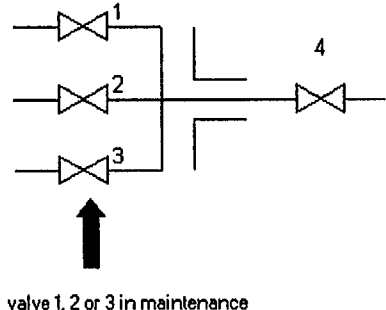
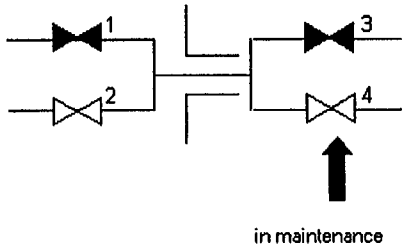
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
general penetration type		SOV	9	8 hrs
		MOV	9	8 hrs
		AOV	9	8 hrs
		Check	9	8 hrs
		SRV	9	8 hrs
general penetration type		SOV	9	8 hrs
		MOV	9	8 hrs
		AOV	9	8 hrs
		Check	9	8 hrs
		SRV	9	8 hrs
general penetration type		SOV	9	8 hrs
		MOV	9	8 hrs
		AOV	9	8 hrs
		Check	9	8 hrs
		SRV	9	8 hrs



<b>Table E-2 Applicable Tech Spec 3.6.3 Condition B: Penetrations where System Pressure Boundary is Not Intact</b> (cont.)				
<b>Penetration Description</b>	<b>Penetration Type</b>	<b>Valve Type Assumption</b> (see assumption 7 of Section 8.2)	<b>Completion Time (CT) Category Number</b>	<b>Justified CT</b>
general penetration type		SRV	10	12 hrs
		SRV	10	12 hrs
general penetration type		SOV AOV	10 10	12 hrs 12 hrs

**Table E-2 Applicable Tech Spec 3.6.3 Condition B: Penetrations where System Pressure Boundary is Not Intact (cont.)**

Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
	 <p>valve 1 or 2 in maintenance</p>	SRV	10	12 hrs
general penetration type	 <p>in maintenance</p>	all	10	12 hrs
general penetration type	 <p>in maintenance</p>	SOV MOV AOV Check	10 10 10 10	12 hrs 12 hrs 12 hrs 12 hrs

<b>Table E-2 Applicable Tech Spec 3.6.3 Condition B: Penetrations where System Pressure Boundary is Not Intact</b> (cont.)				
<b>Penetration Description</b>	<b>Penetration Type</b>	<b>Valve Type Assumption</b> (see assumption 7 of Section 8.2)	<b>Completion Time (CT) Category Number</b>	<b>Justified CT</b>
	 <p style="text-align: center;">valve 1, 2 or 3 in maintenance</p>	SRV	10	12 hrs
general penetration type	 <p style="text-align: center;">in maintenance</p>	SRV	10	12 hrs

<b>Table E-2 Applicable Tech Spec 3.6.3 Condition B: Penetrations where System Pressure Boundary is Not Intact</b> (cont.)				
<b>Penetration Description</b>	<b>Penetration Type</b>	<b>Valve Type Assumption</b> (see assumption 7 of Section 8.2)	<b>Completion Time (CT) Category Number</b>	<b>Justified CT</b>
		SRV	10	12 hrs
general penetration type		SRV	10	12 hrs
general penetration type		SRV	10	12 hrs

<b>Table E-2 Applicable Tech Spec 3.6.3 Condition B: Penetrations where System Pressure Boundary is Not Intact</b> (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
general penetration type	<p>The diagram shows a horizontal pipe with two valves, labeled 1 and 2. Valve 1 is on the left, and valve 2 is on the right. Above valve 2, there is a downward-pointing arrow and the text "in maintenance". The pipe has a T-junction with a vertical branch pointing upwards between the two valves.</p>	SRV	10	12 hrs
general penetration type	<p>The diagram shows a horizontal pipe with two valves, labeled 1 and 2. Valve 1 is on the left, and valve 2 is on the right. Below valve 1, there is an upward-pointing arrow and the text "in maintenance". The pipe has a T-junction with a vertical branch pointing upwards between the two valves.</p>	SOV AOV	11 11	24 hrs 24 hrs
	<p>The diagram shows a horizontal pipe with two valves, labeled 1 and 2. Valve 1 is on the left, and valve 2 is on the right. Below valve 2, there is an upward-pointing arrow and the text "in maintenance". The pipe has a T-junction with a vertical branch pointing upwards between the two valves.</p>	SOV AOV	11 11	24 hrs 24 hrs

**Table E-2 Applicable Tech Spec 3.6.3 Condition B: Penetrations where System Pressure Boundary is Not Intact (cont.)**

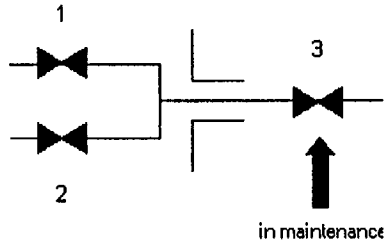
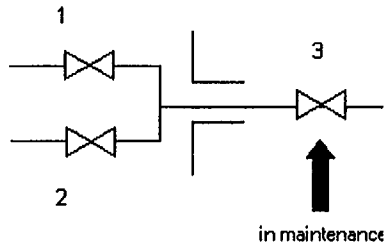
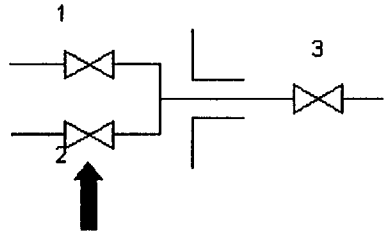
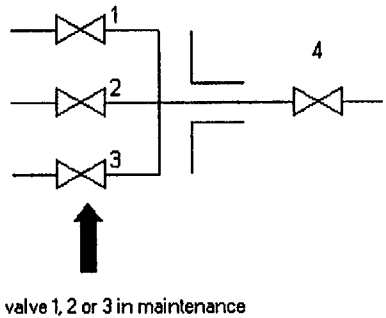
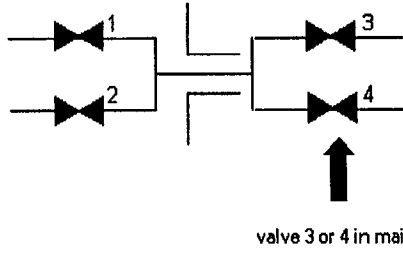
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
general penetration type		all	11	24 hrs
general penetration type		MOV Check	11 11	24 hrs 24 hrs
		SOV AOV	11 11	24 hrs 24 hrs

Table E-2 Applicable Tech Spec 3.6.3 Condition B: Penetrations where System Pressure Boundary is Not Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
general penetration type	 <p>valve 1, 2 or 3 in maintenance</p>	SOV AOV	11 11	24 hrs 24 hrs
general penetration type	 <p>valve 3 or 4 in maintenance</p>	all	11	24 hrs

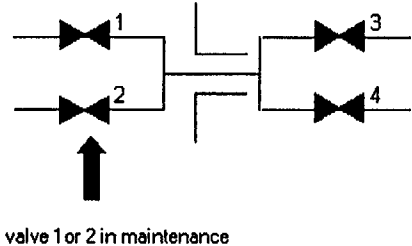
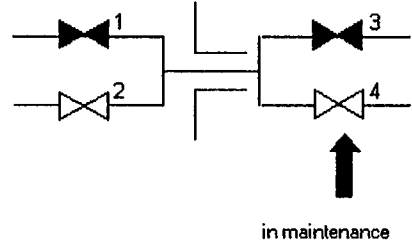
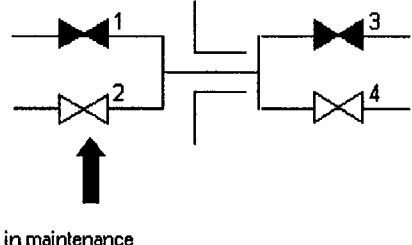
<b>Table E-2 Applicable Tech Spec 3.6.3 Condition B: Penetrations where System Pressure Boundary is Not Intact</b> (cont.)				
<b>Penetration Description</b>	<b>Penetration Type</b>	<b>Valve Type Assumption</b> (see assumption 7 of Section 8.2)	<b>Completion Time (CT) Category Number</b>	<b>Justified CT</b>
	 <p>valve 1 or 2 in maintenance</p>	all	11	24 hrs
general penetration type	 <p>in maintenance</p>	SOV	11	24 hrs
		AOV	11	24 hrs
	 <p>in maintenance</p>	SOV	11	24 hrs
		AOV	11	24 hrs



Table E-2 Applicable Tech Spec 3.6.3 Condition B: Penetrations where System Pressure Boundary is Not Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
	<p>in maintenance</p>	SOV	11	24 hrs
		AOV	11	24 hrs
		SRV	11	24 hrs
	<p>in maintenance</p>	SOV	11	24 hrs
		AOV	11	24 hrs
		SRV	11	24 hrs
general penetration type	<p>in maintenance</p>	SRV	11	24 hrs

Table E-2 Applicable Tech Spec 3.6.3 Condition B: Penetrations where System Pressure Boundary is Not Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
	<p>in maintenance</p>	SOV AOV	11 11	24 hrs 24 hrs
general penetration type	<p>in maintenance</p>	SRV	11	24 hrs
	<p>in maintenance</p>	SOV AOV SRV	11 11 11	24 hrs 24 hrs 24 hrs

Table E-2 Applicable Tech Spec 3.6.3 Condition B: Penetrations where System Pressure Boundary is Not Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
		SOV AOV	11 11	24 hrs 24 hrs
general penetration type		SRV	11	24 hrs
		SOV AOV	11 11	24 hrs 24 hrs

Table E-2 Applicable Tech Spec 3.6.3 Condition B: Penetrations where System Pressure Boundary is Not Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
Pressurizer Liquid Sample Line	<p>The diagram shows a Pressurizer Liquid Sample Line starting from a box labeled 'RCS' connected to valve 1. The line then splits into two parallel paths, each containing a valve (2 and 4). A central branch contains valve 3, which is indicated as 'in maintenance' with a thick black arrow pointing to it.</p>	SOV AOV	11 11	24 hrs 24 hrs
	<p>The diagram shows the same Pressurizer Liquid Sample Line configuration, but valve 1 is indicated as 'in maintenance' with a thick black arrow pointing to it.</p>	SOV AOV	11 11	24 hrs 24 hrs
Post Accident Sample Line	<p>The diagram shows a Post Accident Sample Line starting from a valve labeled 1, which is indicated as 'in maintenance' with a thick black arrow pointing to it. The line then splits into two parallel paths, each containing a valve (2 and 4). A central branch contains valve 3.</p>	all	11	24 hrs

Table E-2 Applicable Tech Spec 3.6.3 Condition B: Penetrations where System Pressure Boundary is Not Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
Chemical & Volume Control System -Normal Letdown Legs		SOV	11	24 hrs
		MOV	11	24 hrs
		AOV	11	24 hrs
		Check	11	24 hrs
		SOV	11	24 hrs
		AOV	11	24 hrs

**Table E-2 Applicable Tech Spec 3.6.3 Condition B: Penetrations where System Pressure Boundary is Not Intact (cont.)**

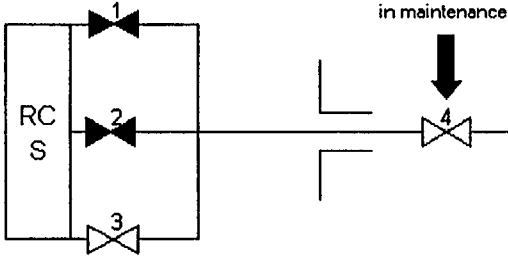
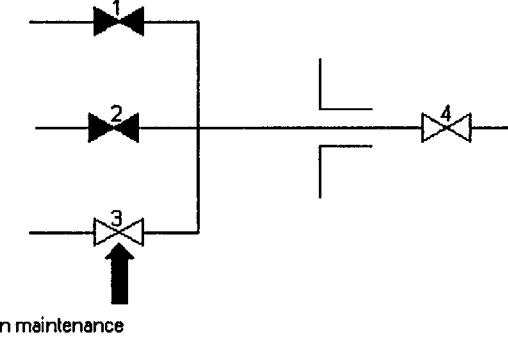
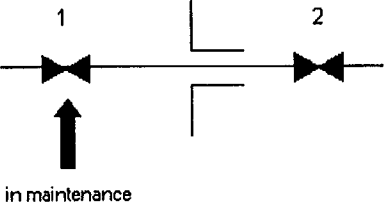
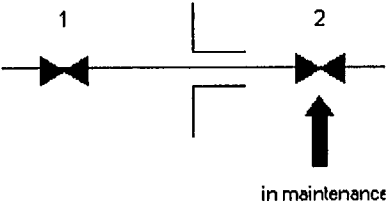
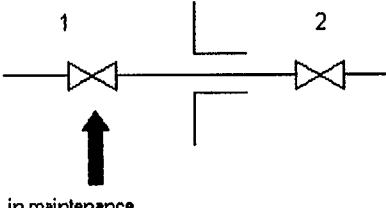
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
Chemical & Volume Control System -Normal Letdown Legs		SOV	11	24 hrs
		SOV AOV	11 11	24 hrs 24 hrs

Table E-2 Applicable Tech Spec 3.6.3 Condition B: Penetrations where System Pressure Boundary is Not Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
general penetration type	 <p>Diagram showing a horizontal pipe with two valves, labeled 1 and 2. Valve 1 is on the left and has an upward-pointing arrow below it with the text "in maintenance". Valve 2 is on the right. A vertical pipe with a T-junction is connected to the main pipe between the two valves.</p>	all	12	48 hrs
	 <p>Diagram showing a horizontal pipe with two valves, labeled 1 and 2. Valve 2 is on the right and has an upward-pointing arrow below it with the text "in maintenance". Valve 1 is on the left. A vertical pipe with a T-junction is connected to the main pipe between the two valves.</p>	all	12	48 hrs
general penetration type	 <p>Diagram showing a horizontal pipe with two valves, labeled 1 and 2. Valve 1 is on the left and has an upward-pointing arrow below it with the text "in maintenance". Valve 2 is on the right. A vertical pipe with a T-junction is connected to the main pipe between the two valves.</p>	MOV Check	12 12	48 hrs 48 hrs

**Table E-2 Applicable Tech Spec 3.6.3 Condition B: Penetrations where System Pressure Boundary is Not Intact (cont.)**

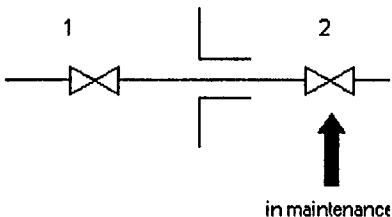
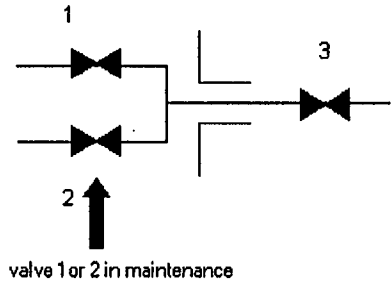
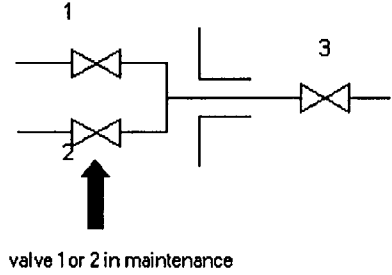
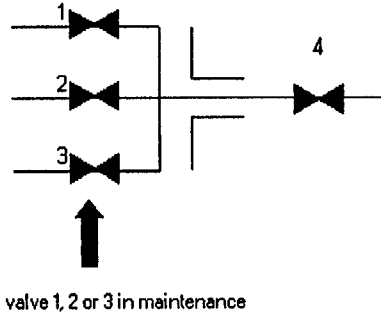
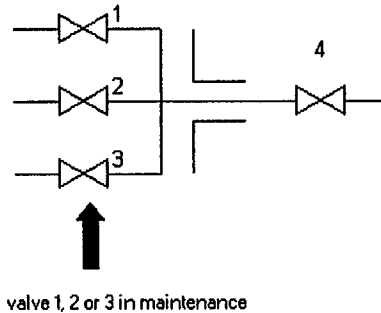
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
		MOV  Check	12  12	48 hrs  48 hrs
general penetration type		all	12	48 hrs
general penetration type		MOV  Check	12  12	48 hrs  48 hrs



Table E-2 Applicable Tech Spec 3.6.3 Condition B: Penetrations where System Pressure Boundary is Not Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
general penetration type	 <p>valve 1, 2 or 3 in maintenance</p>	all	12	48 hrs
general penetration type	 <p>valve 1, 2 or 3 in maintenance</p>	MOV Check	12 12	48 hrs 48 hrs

<b>Table E-2 Applicable Tech Spec 3.6.3 Condition B: Penetrations where System Pressure Boundary is Not Intact</b> (cont.)				
<b>Penetration Description</b>	<b>Penetration Type</b>	<b>Valve Type Assumption</b> (see assumption 7 of Section 8.2)	<b>Completion Time (CT) Category Number</b>	<b>Justified CT</b>
general penetration type	<p style="text-align: center;">in maintenance</p>	MOV  Check	12  12	48 hrs  48 hrs
	<p style="text-align: center;">in maintenance</p>	MOV  Check	12  12	48 hrs  48 hrs
	<p style="text-align: center;">in maintenance</p>	MOV  Check	12  12	48 hrs  48 hrs

Table E-2 Applicable Tech Spec 3.6.3 Condition B: Penetrations where System Pressure Boundary is Not Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
	<p>in maintenance</p>	<p>MOV</p> <p>Check</p>	<p>12</p> <p>12</p>	<p>48 hrs</p> <p>48 hrs</p>
general penetration type	<p>in maintenance</p>	all	12	48 hrs
general penetration type	<p>in maintenance</p>	<p>MOV</p> <p>Check</p>	<p>12</p> <p>12</p>	<p>48 hrs</p> <p>48 hrs</p>

<b>Table E-2 Applicable Tech Spec 3.6.3 Condition B: Penetrations where System Pressure Boundary is Not Intact</b> (cont.)				
<b>Penetration Description</b>	<b>Penetration Type</b>	<b>Valve Type Assumption</b> (see assumption 7 of Section 8.2)	<b>Completion Time (CT) Category Number</b>	<b>Justified CT</b>
general penetration type	<p style="text-align: center;">in maintenance</p>	MOV  Check	12  12	48 hrs  48 hrs
	<p style="text-align: center;">in maintenance</p>	MOV  Check	12  12	48 hrs  48 hrs
general penetration type	<p style="text-align: center;">in maintenance</p>	all	12	48 hrs

Table E-2 Applicable Tech Spec 3.6.3 Condition B: Penetrations where System Pressure Boundary is Not Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
general penetration type		MOV Check	12 12	48 hrs 48 hrs
ECCS Test Line Return - High Pressure Coolant Injection System		all	12	48 hrs
Pressurizer Vapor Sample Line		all	12	48 hrs

Table E-2 Applicable Tech Spec 3.6.3 Condition B: Penetrations where System Pressure Boundary is Not Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
	<p>A schematic diagram showing a horizontal pipe with a valve labeled '1' and a square symbol above it. An upward-pointing arrow below the valve is labeled 'in maintenance'. The pipe continues to the right and then splits into two parallel branches. The upper branch contains a valve labeled '2', and the lower branch contains a valve labeled '3' with a square symbol above it.</p>	all	12	48 hrs
Pressurizer Liquid Sample Line	<p>A schematic diagram showing a box labeled 'RCS' connected to a horizontal pipe with a valve labeled '1' and a square symbol above it. The pipe continues to the right and then splits into two parallel branches. The upper branch contains a valve labeled '2', and the lower branch contains a valve labeled '4'. A third branch, labeled '3' with a square symbol above it, branches off from the main line between the RCS valve and the split. An arrow points to valve '3' with the text 'in maintenance'.</p>	MOV Check	12 12	48 hrs 48 hrs
	<p>A schematic diagram showing a horizontal pipe with a valve labeled '1' and a square symbol above it. A downward-pointing arrow above the valve is labeled 'in maintenance'. The pipe continues to the right and then splits into two parallel branches. The upper branch contains a valve labeled '2', and the lower branch contains a valve labeled '4'. A third branch, labeled '3' with a square symbol above it, branches off from the main line between the valve '1' and the split.</p>	MOV Check	12 12	48 hrs 48 hrs

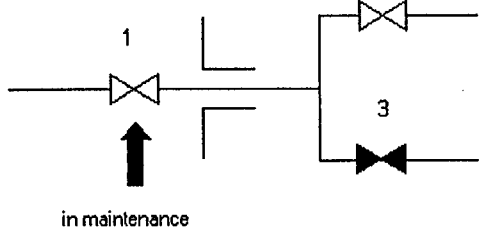
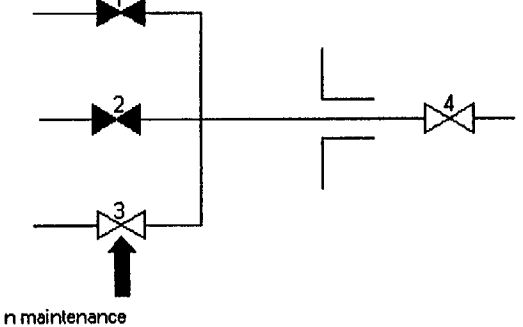
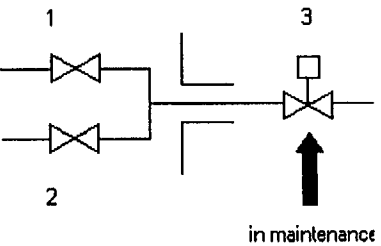
Table E-2 Applicable Tech Spec 3.6.3 Condition B: Penetrations where System Pressure Boundary is Not Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
Chemical & Volume Control System -Normal Letdown Legs	 <p>The diagram shows a horizontal pipe with a valve labeled '1' on the left. An upward-pointing arrow below valve 1 is labeled 'in maintenance'. The pipe continues to the right, where it splits into two parallel paths. The upper path contains a valve labeled '3'. The lower path contains a valve labeled '3' with a solid black triangle pointing to the right, indicating it is a check valve.</p>	MOV	12	48 hrs
		Check	12	48 hrs
Chemical & Volume Control System -Normal Letdown Legs	 <p>The diagram shows three parallel horizontal pipes on the left, each with a valve labeled '1', '2', and '3' respectively. An upward-pointing arrow below valve 3 is labeled 'in maintenance'. These three pipes merge into a single horizontal pipe that passes through a penetration barrier. On the right side of the barrier, there is a valve labeled '4'.</p>	MOV	12	48 hrs
		Check	12	48 hrs
general penetration type	 <p>The diagram shows two parallel horizontal pipes on the left, each with a valve labeled '1' and '2' respectively. These pipes merge into a single horizontal pipe that passes through a penetration barrier. On the right side of the barrier, there is a valve labeled '3' with a solid black square above it, indicating it is a Safety Valve (SRV). An upward-pointing arrow below valve 3 is labeled 'in maintenance'.</p>	SOV	13	72 hrs
		AOV	13	72 hrs
		SRV	13	72 hrs

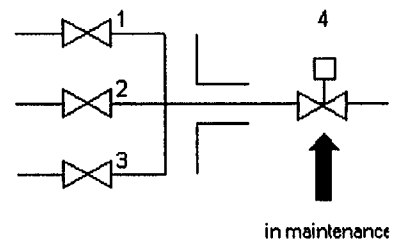
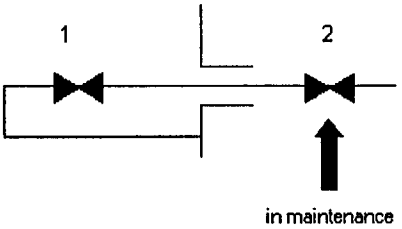
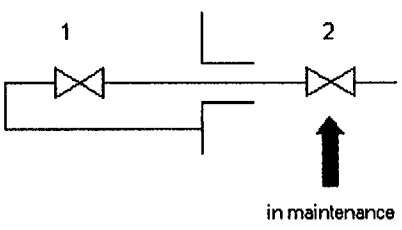
Table E-2 Applicable Tech Spec 3.6.3 Condition B: Penetrations where System Pressure Boundary is Not Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
general penetration type		SOV AOV SRV	13 13 13	72 hrs 72 hrs 72 hrs
general penetration type		all	13	72 hrs
general penetration type		SOV MOV AOV Check	13 13 13 13	72 hrs 72 hrs 72 hrs 72 hrs



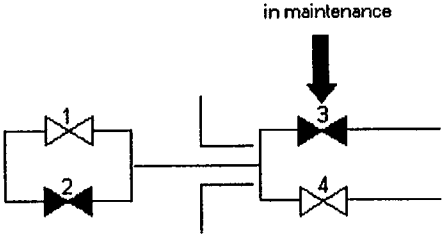
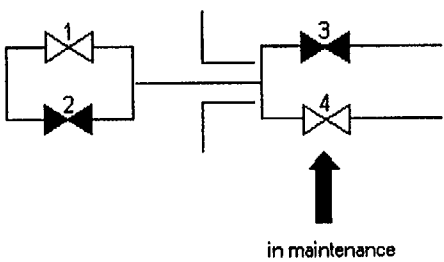
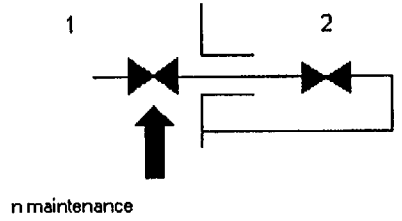
Table E-2 Applicable Tech Spec 3.6.3 Condition B: Penetrations where System Pressure Boundary is Not Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
general penetration type		SOV	13	72 hrs
		MOV	13	72 hrs
general penetration type		AOV	13	72 hrs
		Check	13	72 hrs
		SRV	13	72 hrs
		SOV	13	72 hrs
general penetration type		MOV	13	72 hrs
		AOV	13	72 hrs
		Check	13	72 hrs
		all	13	72 hrs
				

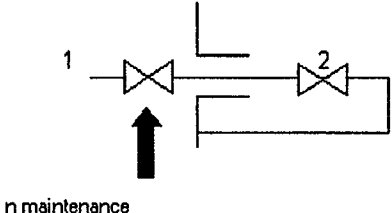
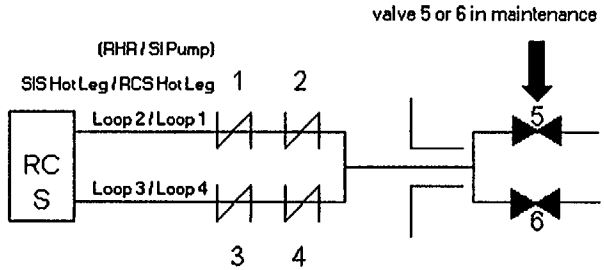
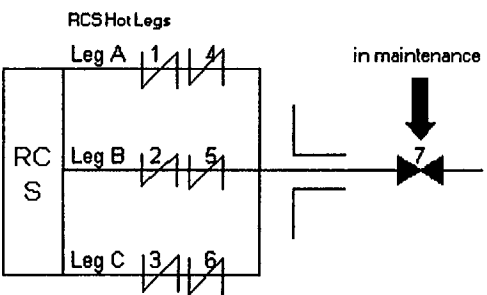
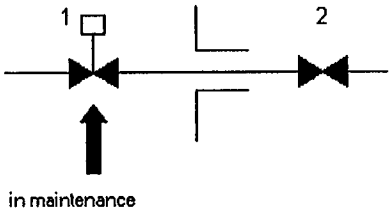
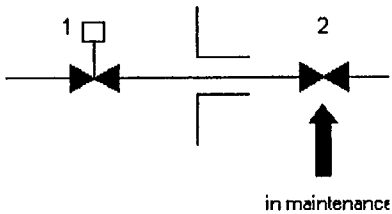
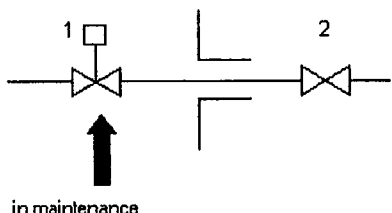
Table E-2 Applicable Tech Spec 3.6.3 Condition B: Penetrations where System Pressure Boundary is Not Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
general penetration type		SOV MOV AOV Check	13	72 hrs
Residual Heat Removal System (Low Head) - Hot Leg Injection, Recirc to Hot Leg  OR Safety Injection Pump (Intermediate Head) - Hot Leg Injection, Recirc to Hot Leg		all	13	72 hrs
Centrifugal Charging Pumps (High Head) - Recirc to Hot Legs		all	13	72 hrs

Table E-2 Applicable Tech Spec 3.6.3 Condition B: Penetrations where System Pressure Boundary is Not Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
general penetration type	 <p>Diagram showing a horizontal pipe with two valves, labeled 1 and 2. Valve 1 is on the left, valve 2 is on the right. An arrow points up to valve 1 with the text "in maintenance".</p>	all	14	168 hrs
	 <p>Diagram showing a horizontal pipe with two valves, labeled 1 and 2. Valve 1 is on the left, valve 2 is on the right. An arrow points up to valve 2 with the text "in maintenance".</p>	all	14	168 hrs
general penetration type	 <p>Diagram showing a horizontal pipe with two valves, labeled 1 and 2. Valve 1 is on the left, valve 2 is on the right. An arrow points up to valve 1 with the text "in maintenance".</p>	SOV MOV AOV Check SRV	14 14 14 14 14	168 hrs 168 hrs 168 hrs 168 hrs 168 hrs

**Table E-2 Applicable Tech Spec 3.6.3 Condition B: Penetrations where System Pressure Boundary is Not Intact (cont.)**

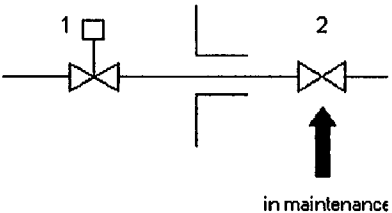
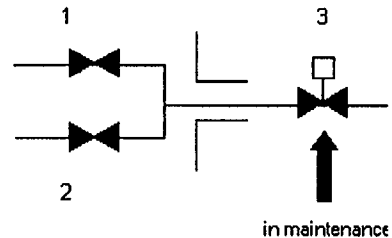
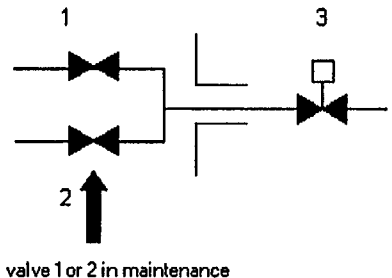
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
		SOV MOV AOV Check SRV	14 14 14 14 14	168 hrs 168 hrs 168 hrs 168 hrs 168 hrs
general penetration type		all	14	168 hrs
		all	14	168 hrs

Table E-2 Applicable Tech Spec 3.6.3 Condition B: Penetrations where System Pressure Boundary is Not Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
general penetration type	<p>1 3 2 in maintenance</p>	MOV Check	14 14	168 hrs 168 hrs
	<p>1 3 2 valve 1 or 2 in maintenance</p>	SOV MOV AOV Check SRV	14 14 14 14 14	168 hrs 168 hrs 168 hrs 168 hrs 168 hrs
general penetration type	<p>1 4 2 3 in maintenance</p>	all	14	168 hrs

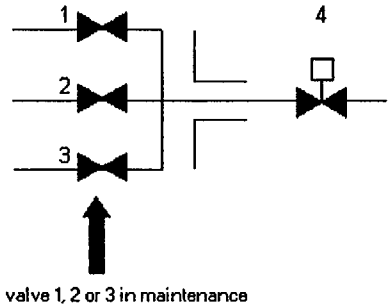
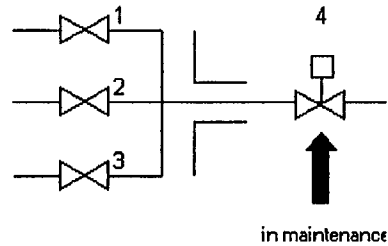
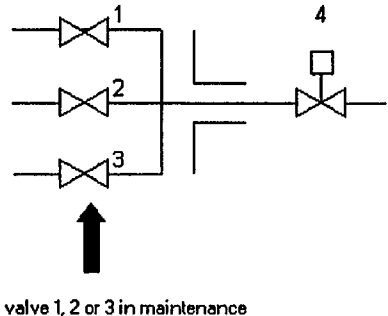
Table E-2 Applicable Tech Spec 3.6.3 Condition B: Penetrations where System Pressure Boundary is Not Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
	 <p>valve 1, 2 or 3 in maintenance</p>	all	14	168 hrs
general penetration type	 <p>in maintenance</p>	MOV	14	168 hrs
		Check	14	168 hrs
	 <p>valve 1, 2 or 3 in maintenance</p>	SOV	14	168 hrs
		MOV	14	168 hrs
		AOV	14	168 hrs
		Check	14	168 hrs
		SRV	14	168 hrs

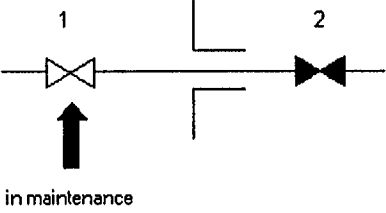
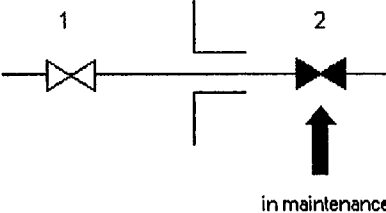
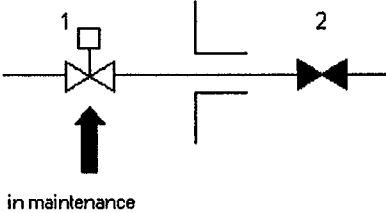
Table E-2 Applicable Tech Spec 3.6.3 Condition B: Penetrations where System Pressure Boundary is Not Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
general penetration type		SOV	14	168 hrs
		MOV	14	168 hrs
		AOV	14	168 hrs
		Check	14	168 hrs
		SRV	14	168 hrs
		SOV	14	168 hrs
		MOV	14	168 hrs
		AOV	14	168 hrs
		Check	14	168 hrs
		SRV	14	168 hrs
general penetration type		SOV	14	168 hrs
		MOV	14	168 hrs
		AOV	14	168 hrs
		Check	14	168 hrs
		SRV	14	168 hrs

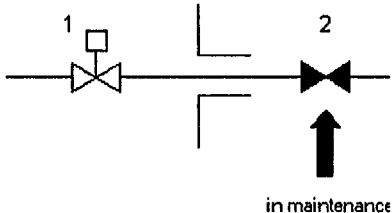
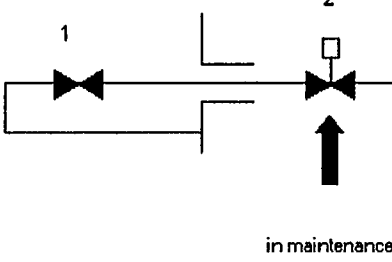
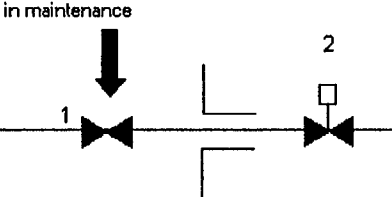
Table E-2 Applicable Tech Spec 3.6.3 Condition B: Penetrations where System Pressure Boundary is Not Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
		SOV MOV AOV Check SRV	14 14 14 14 14	168 hrs 168 hrs 168 hrs 168 hrs 168 hrs
general penetration type		all	14	168 hrs
		all	14	168 hrs



Table E-2 Applicable Tech Spec 3.6.3 Condition B: Penetrations where System Pressure Boundary is Not Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
general penetration type		SOV	14	168 hrs
		MOV	14	168 hrs
		AOV	14	168 hrs
		Check	14	168 hrs
		SRV	14	168 hrs
		SOV	14	168 hrs
		MOV	14	168 hrs
		AOV	14	168 hrs
		Check	14	168 hrs
		SRV	14	168 hrs
general penetration type		SOV	14	168 hrs
		MOV	14	168 hrs
		AOV	14	168 hrs
		Check	14	168 hrs
		SRV	14	168 hrs

**Table E-2 Applicable Tech Spec 3.6.3 Condition B: Penetrations where System Pressure Boundary is Not Intact (cont.)**

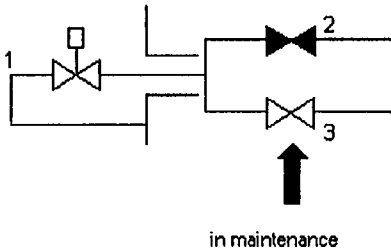
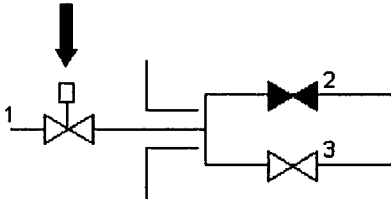
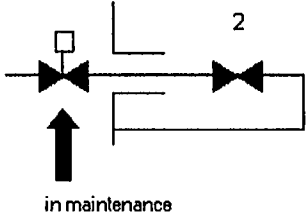
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
		SOV	14	168 hrs
		SOV MOV AOV Check SRV	14 14 14 14 14	168 hrs 168 hrs 168 hrs 168 hrs 168 hrs
general penetration type		all	14	168 hrs

Table E-2 Applicable Tech Spec 3.6.3 Condition B: Penetrations where System Pressure Boundary is Not Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
		all	14	168 hrs
general penetration type		SOV	14	168 hrs
		MOV	14	168 hrs
		AOV	14	168 hrs
		Check	14	168 hrs
		SRV	14	168 hrs
		SOV	14	168 hrs
		MOV	14	168 hrs
		AOV	14	168 hrs
		Check	14	168 hrs
		SRV	14	168 hrs

**Table E-2 Applicable Tech Spec 3.6.3 Condition B: Penetrations where System Pressure Boundary is Not Intact (cont.)**

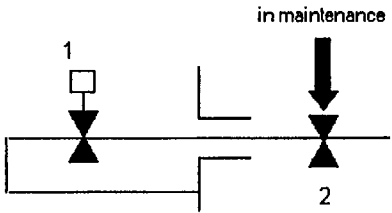
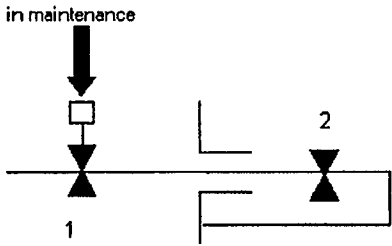
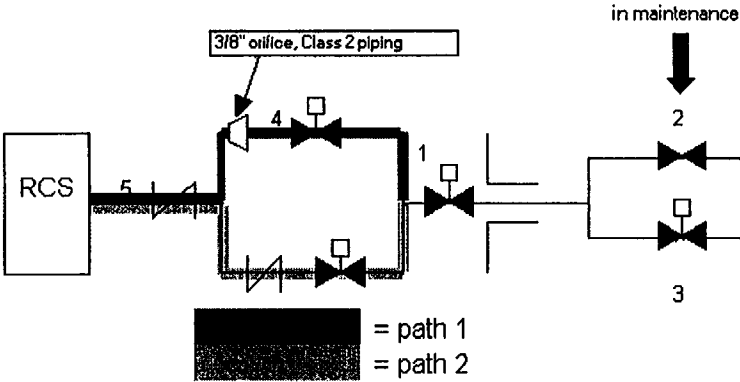
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
general penetration type	 <p style="text-align: center;">in maintenance</p>	all	14	168 hrs
	 <p style="text-align: center;">in maintenance</p>	all	14	168 hrs
ECCS Test Line Return - High Pressure Coolant Injection System	 <p style="text-align: center;">in maintenance</p> <p style="text-align: center;">3/8" orifice, Class 2 piping</p> <p style="text-align: center;">RCS</p> <p style="text-align: center;">5 4 1 2 3</p> <p style="text-align: center;">= path 1 = path 2</p>	all	14	168 hrs

Table E-2 Applicable Tech Spec 3.6.3 Condition B: Penetrations where System Pressure Boundary is Not Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
		all	14	168 hrs
Pressurizer Vapor Sample Line		all	14	168 hrs

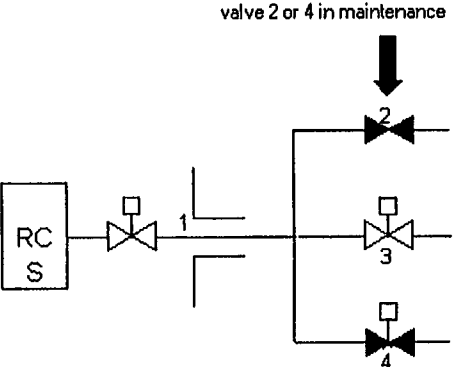
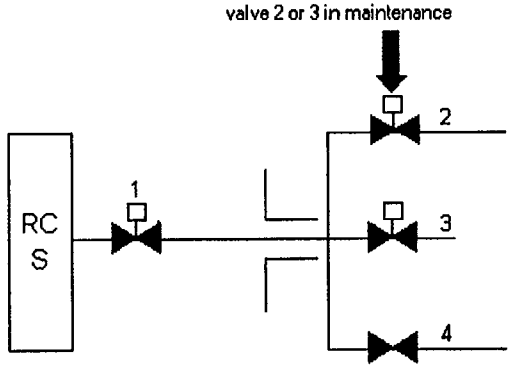
Table E-2 Applicable Tech Spec 3.6.3 Condition B: Penetrations where System Pressure Boundary is Not Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
Pressurizer Liquid Sample Line	<p style="text-align: center;">valve 2 or 4 in maintenance</p> 	SOV	14	168 hrs
		MOV	14	168 hrs
		AOV	14	168 hrs
		Check	14	168 hrs
Post Accident Sample Line	<p style="text-align: center;">valve 2 or 3 in maintenance</p> 	all	14	168 hrs

Table E-2 Applicable Tech Spec 3.6.3 Condition B: Penetrations where System Pressure Boundary is Not Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
		all	14	168 hrs
Residual Heat Removal System (Low Head) - Hot Leg Injection, Recirc to Hot Leg  OR  Safety Injection Pump (Intermediate Head) - Hot Leg Injection, Recirc to Hot Leg	valve 2 or 4 in maintenance 	all	14	168 hrs

Table E-2 Applicable Tech Spec 3.6.3 Condition B: Penetrations where System Pressure Boundary is Not Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
RVLIS Sample Line - Reactor Coolant System	<p>in maintenance</p>	LISs	14	168 hrs
	<p>in maintenance</p>	sensors	14	168 hrs



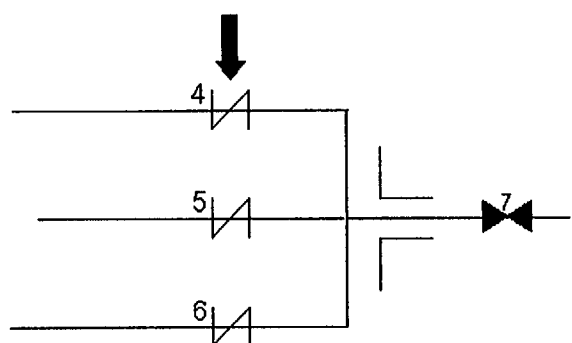
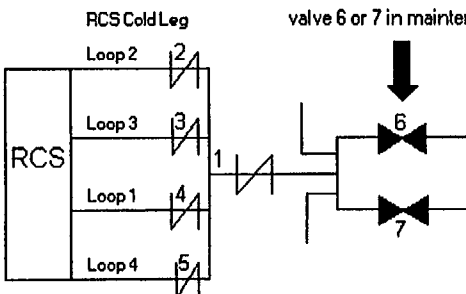
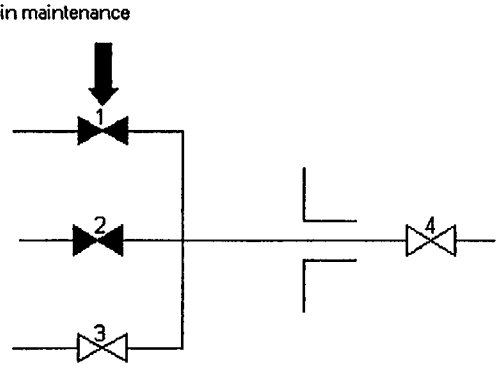
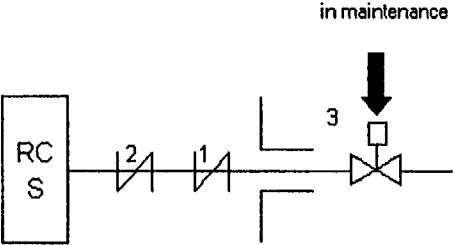
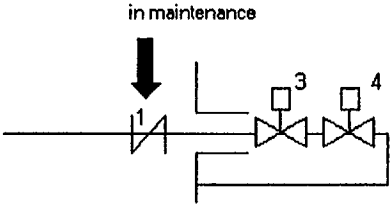
Table E-2 Applicable Tech Spec 3.6.3 Condition B: Penetrations where System Pressure Boundary is Not Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
Centrifugal Charging Pumps (High Head) - Recirc to Hot Legs	<p>valve 4, 5 or 6 in maintenance</p> 	all	14	168 hrs
Centrifugal Charging Pumps (High Head) - Cold Leg Injection, Recirc to Cold Legs	<p>RCS Cold Leg</p> <p>Loop2 2</p> <p>Loop3 3</p> <p>Loop1 4</p> <p>Loop4 5</p> <p>valve 6 or 7 in maintenance</p> 	all	14	168 hrs

Table E-2 Applicable Tech Spec 3.6.3 Condition B: Penetrations where System Pressure Boundary is Not Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
		all	14	168 hrs
Centrifugal Charging Pumps (High Head) - Injection to Cold Legs, Recirc to Cold Legs		all	14	168 hrs

Table E-2 Applicable Tech Spec 3.6.3 Condition B: Penetrations where System Pressure Boundary is Not Intact (cont.)				
Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
	<p>valve 4, 5 or 6 in maintenance</p>	all	14	168 hrs
Chemical & Volume Control System -Normal Letdown Legs		SOV MOV AOV Check	14 14 14 14	168 hrs 168 hrs 168 hrs 168 hrs

**Table E-2 Applicable Tech Spec 3.6.3 Condition B: Penetrations where System Pressure Boundary is Not Intact (cont.)**

Penetration Description	Penetration Type	Valve Type Assumption (see assumption 7 of Section 8.2)	Completion Time (CT) Category Number	Justified CT
Chemical & Volume Control System -Normal Letdown Legs		SOV MOV AOV Check	14 14 14 14	168 hrs 168 hrs 168 hrs 168 hrs
Chemical & Volume Control System - Charging Line		SOV MOV AOV Check	14 14 14 14	168 hrs 168 hrs 168 hrs 168 hrs
		SOV MOV AOV Check	14 14 14 14	168 hrs 168 hrs 168 hrs 168 hrs