

TABLE 7.2-1

PROCESS PIPELINES PENETRATING PRIMARY CONTAINMENT

(Numbers in parentheses are keyed to notes on following pages; signal codes are listed on following pages)

<u>Line Isolated</u>	<u>Number of Lines</u>	<u>Approximate Pipe Size, In.</u>	<u>Valves Per Line</u>	<u>Group</u>	<u>Valve Location Relative to Primary Containment</u>	<u>Valve and/or Operator Type (6)</u>	<u>Power to Open(5,6)</u>	<u>Power to Close(5,6)</u>	<u>Isolation Signal</u>	<u>Closing Time(7,11,12)</u>	<u>Normal Status(9,10)</u>	<u>Remarks</u>
Main steam line	4	28	1 1	A A	Inside Outside	Globe AO globe	Air/A-c Air/A-c	Air/Spring Air/Spring	B,C,D,P,E,H,R B,C,D,P,E,H,R	3-10 sec 3-10 sec	Open Open	Note 1 Note 1
Main steam line drain	1	3	1 1	A A	Inside Outside	MO gate MO gate	A-c D-c	A-c D-c	B,C,D,P,E,H B,C,D,P,E,H	Standard Standard	Closed Closed	Note 9 Note 9
From reactor feedwater	2	24	1 1 1	A A A	Inside Outside Outside	Check AO check MO	- - A-c	Process Note 3 A-c	Reverse flow Reverse flow RM	- - Standard	Open Open Open	Note 3
Reactor water sample	1	3/4	1 1	A A	Inside Outside	AO AO	A-c/Air A-c/Air	Spring Spring	B,C,D,P,E,H B,C,D,P,E,H	Standard Standard	Closed Closed	Note 9 Note 9
Control rod hydraulic return	1	3	1 1	A A	Inside Outside	Check Check	- -	Process Process	Reverse flow Reverse flow	- -	Opens on rod movement and closed all other times	Note 4
Control rod drive outlet	185	1	2	A	Outside	SO valve	A-c	Spring	Note 4	-		
Control rod drive inlet	185	1	2	A	Outside	SO valve	A-c	Spring	Note 4	-		
RHR shutdown cooling injection	2	10	1 1	A A	Inside Outside	AO check MO	Note 3 A-c	Note 3 A-c	Note 3 A,F,M	- Standard	Closed Closed	Note 9 Note 9
RHR shutdown cooling suction from recirculation system	1	18	1 1	A A	Inside Outside	MO MO	A-c D-c	A-c D-c	A,F,U,M A,F,U,M	Standard Standard	Closed Closed	Note 9 Note 9
RHR - LPCI to reactor	3	10	1 1	A A	Inside Outside	AO check MO	Note 3 A-c	Note 3 A-c	Note 3 RM	- Standard	Closed Closed	Note 3
RHR - Reactor head spray	1	4	1 1	A A	Inside Outside	MO MO	A-c D-c	A-c D-c	A,F,U A,F,U	Standard Standard	Closed Closed	Note 9 Note 9

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