

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)

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

D