

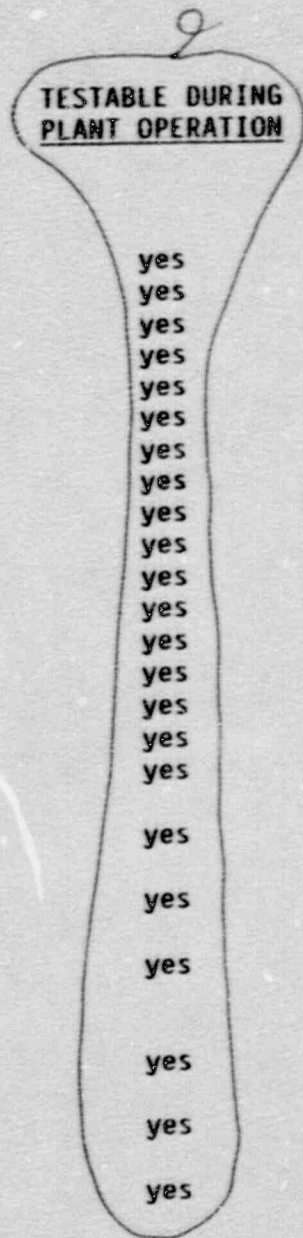
TROJAN-UNIT 1  
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TABLE 3.6-1

CONTAINMENT ISOLATION VALVES

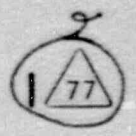
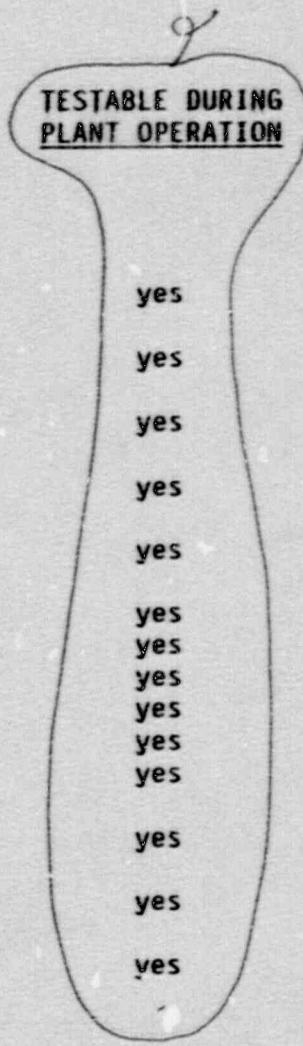
VALVE NUMBER	FUNCTION	TESTABLE DURING PLANT OPERATION	ISOLATION TIME (seconds)
<b>A. Containment Isolation</b>			
MO 5658*	PRZ steam sample - Inside	yes	10
CV 5659*	PRZ steam sample - Outside	yes	10
MO 5656*	PRZ water sample - Inside	yes	10
CV 5657*	PRZ water sample - Outside	yes	10
MO 5653*	Reactor Coolant Loop Sample - Inside	yes	10
MO 5654*	Reactor Coolant Loop Sample - Inside	yes	10
CV 5655*	Reactor Coolant Loop Sample - Outside	yes	10
MO 5651A*	Accumulator "A" Sample - Inside	yes	10
MO 5651B*	Accumulator "B" Sample - Inside	yes	10
MO 5651C*	Accumulator "C" Sample - Inside	yes	10
MO 5651D*	Accumulator "D" Sample - Inside	yes	10
CV 5652*	Accumulators' Sample - Outside	yes	10
CV 2811#	S. G. "A" Sample - Outside	yes	N.A.
CV 2880#	S. G. "B" Sample - Outside	yes	N.A.
CV 2814#	S. G. "C" Sample - Outside	yes	N.A.
CV 2809#	S. G. "D" Sample - Outside	yes	N.A.
MO 6716#	S. G. "A" blowdown - Outside	yes	N.A.
MO <del>2808#</del> 2810			
MO 6717#	S. G. "B" blowdown - Outside	yes	N.A.
MO <del>2810#</del> 2813			
MO 6718#	S. G. "C" blowdown - Outside	yes	N.A.
MO 2812#			
MO 6719#	S. G. "D" blowdown - Outside	yes	N.A.
MO <del>2813#</del> 2808			
MO 5674	Containment atmosphere sample supply - inside	yes	10
MO 5675	Containment atmosphere sample supply - outside	yes	10
MO 5672	Containment atmosphere sample return - inside	yes	10



TROJAN-UNIT 1

TABLE 3.6-1  
CONTAINMENT ISOLATION VALVES

VALVE NUMBER	FUNCTION	TESTABLE DURING PLANT OPERATION	ISOLATION TIME (seconds)
A. Containment Isolation			
MO 5676	Containment atmosphere sample return - outside	yes	10
MO 5671	Containment atmosphere sample <del>supply</del> - outside	yes	10
MO 5673	Containment atmosphere sample <del>return</del> - inside	yes	10
MO 5663	Containment atmosphere sample <del>supply</del> - outside	yes	10
CV 8026	Pressurizer relief tank gas analyzer - inside	yes	10
CV 8025	Pressurizer relief tank gas analyzer - outside	yes	10
MO 5660	RCDT gas analyzer - inside	yes	10
CV 5661	RCDT gas analyzer - outside	yes	10
CV 4000	RCDT N <sub>2</sub> supply - outside	yes	10
MO 4005	RCDT discharge - inside	yes	10
CV 4006	RCDT discharge - outside	yes	10
CV 8028	Pressurizer relief tank makeup - outside	yes	10
MO 5677	Containment atmosphere sample supply - outside	yes	10
MO 5678	Containment atmosphere sample return - outside	yes	10



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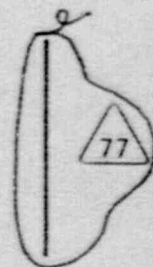
Amendment No. 77  
November 10, 1992

TABLE 3.6-1

## CONTAINMENT ISOLATION VALVES

VALVE NUMBER	FUNCTION	TESTABLE DURING PLANT OPERATION	ISOLATION TIME (seconds)
A. Containment Isolation			
CV 8033	Pressurizer relief tank		
	N <sub>2</sub> supply - outside	yes	10
CV 8880	Accumulator N <sub>2</sub> supply - outside	yes	10
MO 4300	Gas collection header - inside	yes	10
CV 4301	Gas collection header - outside	yes	10
MO 10016	Chilled water supply - inside	yes	5
CV 10015	Chilled water supply - outside	yes	3
MO 10013	Chilled water return - inside	yes	5
CV 10014	Chilled water return - outside	yes	3
MO 4180	Containment sump discharge - inside	yes	10
CV 4181	Containment sump discharge - outside	yes	10
CV 8871	SIS test line - inside	yes	10
CV 8964	SIS test line - outside	yes	10
CV 8888	SIS test line - outside	yes	10
CV 8149A	CVCS letdown - inside	yes	10
CV 8149B	CVCS letdown - inside	yes	10
CV 8149C	CVCS letdown - inside	yes	10
CV 8152	CVCS letdown - outside	yes	10
MO 8112	RC Pump seal water return - inside	no	10
MO 8100	RC Pump seal water return - outside	no	10
SV 5642	Containment atmosphere sample supply drain - inside	yes	3
SV 5643	Containment atmosphere sample supply drain - inside	yes	3
SV 5679	Containment atmosphere sample return - inside	yes	3

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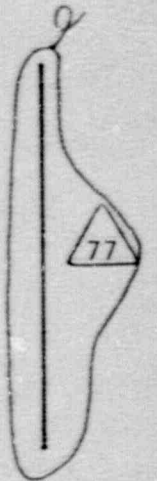
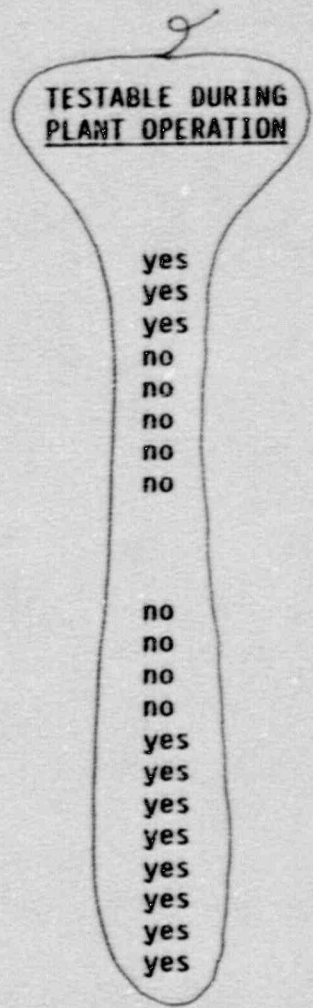
Amendment No. 77  
November 10, 1982

TROJAN-UNIT 1

TABLE 3.6-1  
CONTAINMENT ISOLATION VALVES

VALVE NUMBER	FUNCTION	TESTABLE DURING PLANT OPERATION	ISOLATION TIME (seconds)
<b>A. Containment Isolation</b>			
MO 8105#	CVCS charging - outside	yes	N.A.
MO 8106#	CVCS charging - outside	yes	N.A.
CV 4470	Service air supply - outside	yes	10
CV 4471	Instrument air supply - outside	no	10
MO 3291#	CCW train "A" supply - outside	no	N.A.
MO 3292#	CCW train "A" discharge - outside	no	N.A.
MO 3346#	CCW train "B" supply - outside	no	N.A.
MO 3290#	CCW train "B" discharge - outside	no	N.A.
<b>B. Containment Ventilation Isolation</b>			
MO 10002**	Containment purge supply - inside	no	5
CV 10001**	Containment purge supply - outside	no	3
MO 10003**	Containment purge exhaust - inside	no	5
CV 10004**	Containment purge exhaust - outside	no	3
MO 10005***	Hydrogen vent supply - outside	yes	5
MO 10006***	Hydrogen vent supply - outside	yes	5
MO 10011***	Hydrogen vent exhaust - outside	yes	5
MO 10012***	Hydrogen vent exhaust - outside	yes	5
MO 10007***	Hydrogen vent supply - inside	yes	5
MO 10008***	Hydrogen vent supply - inside	yes	5
MO 10009***	Hydrogen vent exhaust - inside	yes	5
MO 10010***	Hydrogen vent exhaust - inside	yes	5

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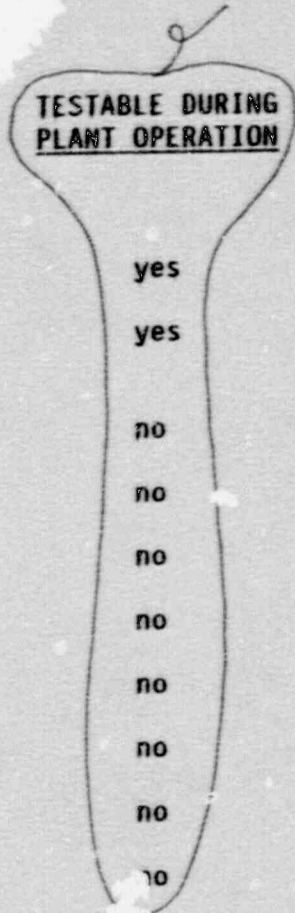


Amendment No. 77  
November 10, 1982

TROJAN-UNIT 1

TABLE 3.6-1  
CONTAINMENT ISOLATION VALVES

VALVE NUMBER	FUNCTION	TESTABLE DURING PLANT OPERATION	ISOLATION TIME (seconds)
C. Steamline Isolation			
CV 2277#- 2280#	Main Steam Isolation Bypass Line	yes	N.A.
CV 2294#- 2297#	Main Steam Line Steam Trap	yes	N.A.
CV 2210#	Main Steam Power Operated Reliefs (no isolation signal)	no	N.A.
CV 2230#	Main Steam Power Operated Reliefs (no isolation signal)	no	N.A.
CV 2250#	Main Steam Power Operated Reliefs (no isolation signal)	no	N.A.
CV 2270#	Main Steam Power Operated Reliefs (no isolation signal)	no	N.A.
<del>CV 1451</del> <del>NO 2210#</del>	Main Steam Supply to Auxiliary FW Pump Turbine Driver	no	N.A.
<del>CV 1452</del> <del>NO 2220#</del>	Main Steam Supply to Auxiliary FW Pump Turbine Driver	no	N.A.
<del>CV 1453</del> <del>NO 2230#</del>	Main Steam Supply to Auxiliary FW Pump Turbine Driver	no	N.A.
<del>CV 1454</del> <del>NO 2240#</del>	Main Steam Supply to Auxiliary FW Pump Turbine Driver	no	N.A.



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Amendment No. 8  
August 19, 1976

TABLE 3.6-1

## CONTAINMENT ISOLATION VALVES

TROJAN-UNIT 1	VALVE NUMBER	FUNCTION	TESTABLE DURING PLANT OPERATION	ISOLATION TIME (seconds)
	D. Containment Spray Actuation (Containment Isolation Barriers only)			
	MO 2053A#	Containment Spray Pump A discharge - outside	yes	N.A.
	MO 2053B#	Containment Spray Pump B discharge - outside	yes	N.A.
	E. Non-automatic Power Operated Valves			
3/4 6-22	MO 8702#(a)	RHR normal suction inside	no	N.A.
	MO 8701#(a)	RHR normal suction inside	no	N.A.
	CV 8825#	RHR hot leg recirculation - inside	no	N.A.
	MO 8703#	RHR hot leg recirculation - outside	no	N.A.
	MO 8835#	SIS discharge line - outside (cold leg)	no	N.A.
	MO 8809A#	RHR pump "A" discharge - outside	no	N.A.
	MO 8809B#	RHR pump "B" discharge - outside	no	N.A.
	MO 2069A	SIS Recirculation Train "A" - inside	yes	N.A.
	MO 2052A	SIS Recirculation Train "A" - outside	yes	N.A.
	MO 8811A	SIS Recirculation Train "A" - outside	yes	N.A.
	MO 2069B	SIS Recirculation Train "B" - inside	yes	N.A.
	MO 2052B	SIS Recirculation Train "B" - outside	yes	N.A.
	MO 8811B	SIS Recirculation Train "B" - outside	yes	N.A.

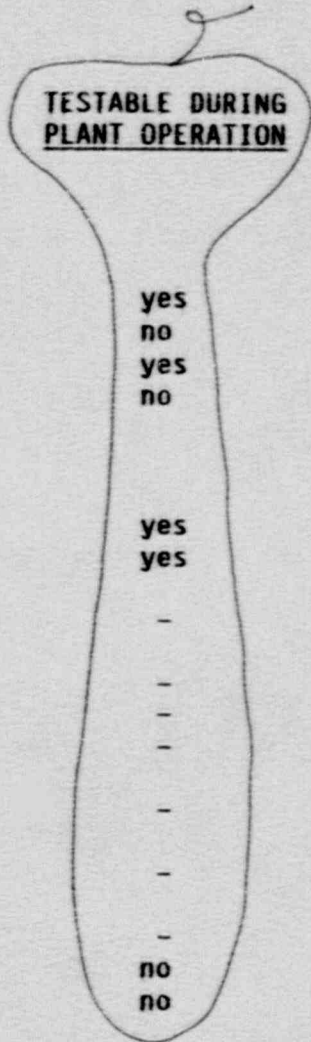
(a) May be open during Mode 4

Amendment No. 1#  
June 10, 1982

TROJAN-UNIT 1

TABLE 3.6-1  
CONTAINMENT ISOLATION VALVES

<u>VALVE NUMBER</u>	<u>FUNCTION</u>	<u>TESTABLE DURING PLANT OPERATION</u>	<u>ISOLATION TIME (seconds)</u>
E. Non-automatic Power Operated Valves Continued			
CV 8881#	SIS discharge Train "A" - inside	yes	N.A.
MO 8802A#*	SIS discharge Train "A" - outside	no	N.A.
CV 8824#	SIS discharge Train "B" - inside	yes	N.A.
MO 8802B#*	SIS discharge Train "B" - outside	no	N.A.
F. Manual Valves			
8090A*	(RCS) Deadweight Tester - outside	yes	N.A.
8090B*	(RCS) Deadweight Tester - outside	yes	N.A.
SF080	Refueling cavity recirculation - inside	-	N.A.
SF046	Refueling cavity recirculation - outside	-	N.A.
SF073	Refueling cavity drain - inside	-	N.A.
SF074	Refueling cavity drain - outside	-	N.A.
SF062	Refueling cavity skimming - inside	-	N.A.
SF0623	Refueling cavity skimming - outside	-	N.A.
MD059##	Demin. water wash down - outside	-	N.A.
FW079#-FW086#	Feedwater Line Drains	no	N.A.
MS013#-MS016#*	Main Steam Line Drains	no	N.A.



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Amendment No. 8, 1/26  
April 2, 1987

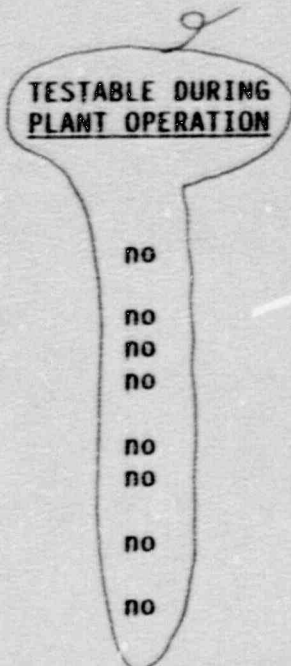
TROJAN-UNIT 1

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TABLE 3.6-1

CONTAINMENT ISOLATION VALVES

VALVE NUMBER	FUNCTION	TESTABLE DURING PLANT OPERATION	ISOLATION TIME (seconds)
G. Check Valves			
8047	PRT N <sub>2</sub> Supply - inside	no	N.A.
8046	PMU Water to Press. Relief Tank - inside	no	N.A.
8180	RCP Seal Water Rrn. - inside	no	N.A.
8968	N <sub>2</sub> to Accumulators - inside	no	N.A.
Check valve	Demin. Water to Washdown Sta. - inside	no	N.A.
Check valve	RCDT N <sub>2</sub> Supply - inside	no	N.A.
Check valve downstream of CV 4470	Service Air - inside	no	N.A.
Check valve downstream of CV 4471	Instrument Air - inside	no	N.A.



- \* May be opened on an intermittent basis under administrative control.
- \*\* The Containment purge supply and exhaust valves shall be made inoperable (electric power or air supplies removed from their respective operators) during Modes 1 through 4.
- \*\*\*The Hydrogen vent supply and exhaust valves shall be normally closed, and opened only when and for the duration of time actually necessary.
- # Not subject to Type C leakage tests.
- ## May be opened under administrative control when personnel fire protection required.

Amendment No. 8, 77, 126  
 April 2, 1987





UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

In the Matter of )  
)  
PORTLAND GENERAL ELECTRIC COMPANY, ) Docket 50-344  
THE CITY OF EUGENE, OREGON, AND ) Operating License NPF-1  
PACIFIC POWER & LIGHT COMPANY )  
)  
(TROYAN NUCLEAR PLANT) )

CERTIFICATE OF SERVICE

I hereby certify that copies of License Change Application 203 to the Operating License for Trojan Nuclear Plant, dated September 18, 1990, have been served on the following by hand delivery or by deposit in the United States mail, first class, this 18th day of September 1990:

State of Oregon  
Department of Energy  
625 Marion St NE  
Salem OR 97310

Mr. Michael J. Sykes  
Chairman of County Commissioners  
Columbia County Courthouse  
St. Helens OR 97051

*Scott A. Bauer*

Scott A. Bauer  
Nuclear Regulation Branch  
Nuclear Safety & Regulation

Subscribed and sworn to before me this 18th day of September 1990.



*Dorothy B. Howard*  
Notary Public of Oregon

My Commission Expires: March 22, 1994