



Westinghouse
Electric Corporation

Energy Systems

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NSD-NRC-96-4838
DCP/NRC0620
Docket No.: STN-52-003

October 11, 1996

Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

ATTENTION: T. R. QUAY

SUBJECT: CHAPTER 6 SSAR MARKUPS

Dear Mr. Quay:

Letter NSD-NRC-96-4836 dated October 10, 1996 included an incorrect markup of subsection 6.4.5.3. Also the markup of Table 6.23-1 was inadvertently not included. Attached are the correct markups.

Brian A. McIntyre, Manager
Advanced Plant Safety and Licensing

/nja

Attachment

cc: W. C. Huffman - NRC
N. J. Liparulo, Westinghouse (w/o Attachments)

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6.4.5 Inservice Inspection/Inservice Testing

A program of preoperational and postoperational testing requirements is implemented to confirm initial and continued system capability. The VES system is tested and inspected at appropriate intervals, as defined by the technical specifications. Emphasis is placed on tests and inspections of the safety-related portions of the habitability systems.

6.4.5.1 Pre-Operational Testing

Pre-operational testing of the main control room emergency habitability system is performed to verify that the nominal air flow rate of 25 scfm is sufficient to maintain pressurization of the main control room envelope of 1/8-inch water gauge with respect to the adjacent areas.

Pre-operational testing of the main control room isolation devices in the nuclear island nonradioactive ventilation system is performed to verify the leaktightness of the devices.

Testing and inspection of the radiation monitors is discussed in Section 11.5. The other tests noted above are discussed in Chapter 14.

6.4.5.2 Inservice Testing

Inservice testing of the main control room emergency habitability system and nuclear island nonradioactive ventilation system is conducted in accordance with the surveillance requirements specified in the technical specifications in Chapter 16.

Leaktightness testing of the main control room pressure boundary is conducted in accordance with the frequency specified in the technical specifications.

6.4.5.3 Air Quality Testing

Connections are provided for sampling the air supplied from the compressed and instrument air system, and for periodic sampling of the air stored in the storage tanks.

Table 6.2.3-1 (Sheet 2 of 4)
Containment Mechanical Penetrations and Isolation Valves

System	Containment Penetration			Isolation Device					Test		
	Line	Flow	Closed Sys IBC	Valve/Block Identification	SSAR Subsection	Position N.S.A.	Signal	Check/Thrust	Type ¹ & Note	Medium	Direction
PXS	N ₂ to accumulation	In	No	PXS-PL-V042 PXS-PL-V043	6.3	O-O-C C-C-C	T None	std. N/A	C	Air	Forward
RNS	RCS to RHR pump	Out	No	RNS-PL-V002A/B RNS-PL-V023 RNS-PL-V022 RNS-PL-V021 RNS-PL-V061 RNS-PL-V061A RNS-PL-V061B	5.4.7 5.4.7 5.4.7 5.4.7 5.4.7 6.3	C-O-C C-O-C C-O-C C-C-C C-O-C C-C-C	HR HR HR None T None	std. std. std. N/A std. N/A	C4.6 C C4 C C C	Air	Reverse Forward Reverse Reverse Forward Forward
RHR pump to RCS		In	No	RNS-PL-V011 RNS-PL-V013	5.4.7	C-O-C C-O-C	HR None	std. N/A	C4 C4	Air	Forward
SPS	IRWST Ref. cav. SFP pump discharge	In	No	SPS-PL-V038 SPS-PL-V037	9.1.3	C-O-C C-O-C	T None	std. N/A	C5	Air	Forward
IRWST Ref. cav. purif. out	Out	No		SPS-PL-V035 SPS-PL-V034	9.1.3	C-O-C C-O-C	T T	std. std.	C5	Air	Forward
SCS	Main steamline 01	Out	Yes	SCS-PL-V046A SCS-PL-V027A SCS-PL-V030A, 31A, 32A SCS-PL-V036A SCS-PL-V246A	10.3	O-C-C O-O-C C-C-C O-O-C C-C-C	MS LSEL None MS MS	5 sec std. N/A std. std.	A.2	N ₂	Forward
Main steamline 02	Out	Yes		SCS-PL-V046B SCS-PL-V027B SCS-PL-V030B, 31B, 32B SCS-PL-V036B SCS-PL-V246B	10.3	O-C-C O-O-C C-C-C O-O-C C-C-C	MS LSEL None MS MS	5 sec std. N/A std. std.	A.2	N ₂	Forward
Main feedwater 01	In	Yes		SCS-PL-V037A	10.3	O-C-C	MF	5 sec	A.2	H ₂ O	Forward
Main feedwater 02	In	Yes		SCS-PL-V037B	10.3	O-C-C	MF	5 sec	A.2	H ₂ O	Forward
SG blowdown 01	Out	Yes		SCS-PL-V074A	10.3	O-O-C	PRGR	std.	A.2	H ₂ O	Forward
SG blowdown 02	Out	Yes		SCS-PL-V074B	10.3	O-O-C	PRGR	std.	A.2	H ₂ O	Forward
Startup feedwater 01	In	Yes		SCS-PL-V067A	10.3	C-O-C	LTC, SGL	std.	A.2	H ₂ O	Forward
Startup feedwater 02	In	Yes		SCS-PL-V067B	10.3	C-O-C	LTC, SGL	std.	A.2	H ₂ O	Forward

6. Engineered Safety Features

Table 6.2.3-

Containment Mechanical Penetration

System	Containment Penetration			Valve/Hatch Identification	SSAR Subject
	Line	Flow	Closed Sys IRC		
PXS	N ₂ to accumulators	In	No	PXS-PL-V042 PXS-PL-V043	6.3
RNS	RCS to RHR pump	Out	No	RNS-PL-V002A/B RNS-PL-V023 RNS-PL-V022 RNS-PL-V021 RNS-PL-V061 PXSRNS-PL-V208A	5.4.7 5.4.7 5.4.7 5.4.7 5.4.7 6.3
	RHR pump to RCS	In	No	RNS-PL-V011 RNS-PL-V013	5.4.7
SFS	IRWST/Ref. cav. SFP pump discharge	In	No	SFS-PL-V038 SFS-PL-V037	9.1.3
	IRWST/Ref. cav. purif. out	Out	No	SFS-PL-V035 SFS-PL-V034	9.1.3
SGS	Main steamline 01	Out	Yes	SGS-PL-V040A SGS-PL-V027A SGS-PL-V030A,31A,32A SGS-PL-V036A SGS-PL-V240A	10.3
	Main steamline 02	Out	Yes	SGS-PL-V040B SGS-PL-V027B SGS-PL-V030B,31B,32B SGS-PL-V036B SGS-PL-V240B	10.3
	Main feedwater 01	In	Yes	SGS-PL-V057A	10.3
	Main feedwater 02	In	Yes	SGS-PL-V057B	10.3
	SG blowdown 01	Out	Yes	SGS-PL-V074A	10.3
	SG blowdown 02	Out	Yes	SGS-PL-V074B	10.3
	Startup feedwater 01	In	Yes	SGS-PL-V067A	10.3
	Startup feedwater 02	In	Yes	SGS-PL-V067B	10.3



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Also Available on
Aperture Card

ations and Isolation Valves

Isolation Device			Test		
Position N-S-A	Signal	Closure Times	Type ¹ & Note	Medium	Direction
O-O-C C-C-C	T None	std. N/A	C	Air	Forward
C-O-C C-O-C C-O-C C-C-C C-O-C C-C-C	HR HR HR None T None	std. std. std. N/A std. N/A	C,4,6 C C,4 C C C	Air	-- Reverse Forward Reverse Forward Forward
C-O-C C-O-C	HR None	std. N/A	C,4 C,4	Air	Forward
C-O-C C-O-C	T None	std. N/A	C,5	Air	Forward
C-O-C C-O-C	T T	std. std.	C,5	Air	Forward
O-C-C O-O-C C-C-C O-O-C C-C-C	MS LSL None MS MS	5 sec std. N/A std. std.	A,2	N ₂	Forward
O-C-C O-O-C C-C-C O-O-C C-C-C	MS LSL None MS MS	5 sec std. N/A std. std.	A,2	N ₂	Forward
O-C-C	MF	5 sec	A,2	H ₂ O	Forward
O-C-C	MF	5 sec	A,2	H ₂ O	Forward
O-O-C	PRHR	std.	A,2	H ₂ O	Forward
O-O-C	PRHR	std.	A,2	H ₂ O	Forward
C-O-C	LTC, SGL	std.	A,2	H ₂ O	Forward
C-O-C	LTC, SGL	std.	A,2	H ₂ O	Forward

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