



- NOTES:
- ALL INSTRUMENT AND EQUIPMENT NUMBERS FOR REACTOR COOLANT SYSTEM TO BE PREFIXED WITH "3RCS-" EXCEPT WHERE A DIFFERENT PREFIX IS SHOWN. AN ASTERISK (*) WILL REPLACE THE DASH (-) IN THE PREFIX FOR EQUIPMENT OR INSTRUMENTS WHICH ARE A PART OF NUCLEAR SAFETY FEATURES SYSTEM.
 - ALL VENT, DRAIN AND TEST CONNECTIONS ARE SAFETY CLASS 4 DOWNSTREAM OF FIRST VALVE, UNLESS OTHERWISE NOTED.
 - FLOW RESTRICTORS NOT REQUIRED. FULL SIZE SPACERS TO BE PROVIDED.
 - HEAD GASKET LEAK DETECTOR.
 - PLUG FOR CHANGE OVER TO APPENDIX "R" TRANSMITTER.
 - SIX IDENTICAL RTD'S, TWO FOR EACH PHASE OF STATOR WINDINGS. ONLY ARE SHOWN HOTTEST ONE FOR ANNUNCIATOR, SECOND HOTTEST FOR COMPUTER INPUT.
 - HOSE INSTALLED AT THIS CONNECTION FOR DRAINING THE BOTTOM CHANNEL HEAD TO CONTAINMENT SUMP AFTER REACTOR COOLANT SYSTEM HAS BEEN DRAINED BELOW STEAM GENERATOR NOZZLES. CLASS 2 TO CLASS 4 TRANSITION AT DRAIN VALVE.
 - DELETED.
 - DETECTORS ARE PLACED AT THE BOTTOM OF PIPE SURFACE MOUNT.
 - HOSE TO BE INSTALLED BETWEEN THESE CONNS TO VENT PRESSURE DURING DRAINING AND FILLING WITH A PRESSURE RATING ABOVE 150 PSIG AND A TEMPERATURE RATING ABOVE 170° F.
 - MISCELLANEOUS ABBREVIATIONS AND SYMBOLS
IMB - INSIDE MISSILE BARRIER
OMB - OUTSIDE MISSILE BARRIER
- SAFETY CLASS CHANGE POINT
 - SPOOL PIECE FOR CONTAINMENT ISOLATION VALVE TESTING.
 - PLUG FOR CHANGE OVER TO APPENDIX "R" TRANSMITTERS.
 - OPEN ISOLATION VALVE #V970 TO MONITOR LEVEL VIA LTRIC DURING REACTOR VESSEL DRAINDOWN.
 - 3RCS-1514B A/B, 3RCS-1514B A/B, 3RCS-1514B A/B AND 3RCS-1514B A/B ARE ABANDONED IN PLACE.
 - VALVES 3RCS#V50, 3RCS#V117, 3RCS#V86 AND 3RCS#V156 ARE LOCKED OPEN IN MODE 5 ONLY.

NOTES CONTINUED:
19. THE SYSTEM OPERATIONS PROCEDURE GOVERNS THE POSITIONING OF VALVES AND DAMPERS OPEN/ CLOSED/ LOCKED/ VALVE/ DAMPER POSITIONS DEPICTED ON THE P&ID ARE FOR GUIDANCE ONLY. REFER TO THE SPECIFIC PROCEDURE FOR VERIFICATION OF VALVE/ DAMPER POSITION.

NUCLEAR SAFETY RELATED
QA CAT. I, II
**FSAR FIGURE
OPERATIONS CRITICAL**

CAD				REVISIONS DURING CONSTRUCTION				P.A. No.			
REV.	DATE	DESCRIPTION	BY	CHK	CORR	APP		REV.	DATE	DESCRIPTION	BY
26	10-24-05	INCORP DCN DM3-00-0440-05	DLW	ASK	MB2	MP					
24	5-7-01	INCORP DCN DM3-00-0114-01	JCV	NJB	DLW	RJY					
N/A	23-11-2-00	INCORP DCN DM3-00-0394-00	RFL	MP	AJS	PFL					
N/A	22-6-14-99	INCORP DCN DM3-00-0004-99	KF	RFL	DLW	MP					
N/A	21-4-1-99	INCORP DCN DM3-01-0168-99	JSC	MP	TJU	RFL					
N/A	20-3-10-98	INCORP DCN DM3-00-1072-98	KF	CJS	AJS	MP					
N/A	19-7-26-98	INCORP DCN DM3-00-0682-98	KF	RJK	RFL	RFL					
N/A	18-11-10-97	INCORP DCN DM3-00-0551-97	AC	MP	AJS	PAM					
P.L.A. NO. DATE				REVISIONS				BY			

NOTE: MANUAL REVISIONS TO THIS DOCUMENT WHEN AS-BUILT ARE PROHIBITED.

REVISIONS DURING CONSTRUCTION

REVISIONS

BY

CHK

CORR

APP

P.A. No.

Dominion Nuclear Connecticut, Inc.
Millstone Power Station

MILLSTONE POWER STATION-UNIT NO. 3
PIPING & INSTRUMENTATION DIAGRAM
REACTOR COOLANT SYSTEM

BY JFE/RTL
DATE 3-16-82
SCALE NONE
71-156

APP: RNB/DEK/WS
DATE 6-11-82
DATE 2512-26902 SH 1 OF 6

APP: RWA
DATE 4-7-82
REV 25

STONE & WEBSTER ENGINEERING CORPORATION
BOSTON, MASS.