



- 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, UNLESS OTHERWISE NOTED.
  - 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  
 P - 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 LTBIC DURING REACTOR VESSEL DRAINDOWN.
  - 3RCS-1510A/B AND 3RCS-LT518 SHALL BE ISOLATED AT THE ASSOCIATED INSTRUMENT MANIFOLD DURING PLANT OPERATION. TRANSMITTERS MAY BE FUNCTIONAL AT SHUTDOWN TO MONITOR LEVEL DURING REACTOR DRAINDOWN.
  - 3RCS#F15418 A/B, 3RCS#F15428 A/B, 3RCS#F15438 A/B AND 3RCS#F15448 A/B ARE ABANDONED IN PLACE.
  - VALVES 3RCS#V50, 3RCS#V17, 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  
 NOTE: REVISIONS TO THIS DOCUMENT WHEN AS-BUILT ARE PROHIBITED.

REV.	DATE	DESCRIPTION	BY	CHK	CORR	APP	P.A. NO.
25	10-24-05	INCRP DCN DM3-00-0440-05	DLW	ASK	MB2	MP	
24	5-7-01	INCRP DCN DM3-00-0114-01	JCV	NJB	DLW	RJY	
N/A	23-11-2-00	INCRP DCN DM3-00-0394-00	RFL	MP	AJS	PFL	
N/A	22-6-14-99	INCRP DCN DM3-00-0004-99	KF	RFL	DLW	MP	
N/A	21-4-1-99	INCRP DCN DM3-01-0168-99	JSC	MP	TJU	RFL	
N/A	20-3-10-98	INCRP DCN DM3-00-1072-98	KF	CJS	AJS	MP	
N/A	19-7-28-98	INCRP DCN DM3-00-0682-98	KF	RJK	RFL	RFL	
N/A	18-11-10-97	INCRP DCN DM3-00-0551-97	AC	MP	AJS	PAM	

Dominion Nuclear Connecticut, Inc.  
 Millstone Power Station

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

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

STONE & WEBSTER ENGINEERING CORPORATION  
 BOSTON, MASS.