



- NOTES:
- ALL INSTRUMENT AND EQUIPMENT NUMBERS FOR HIGH PRESSURE SAFETY INJECTION TO BE PREFIXED WITH "3SIH" 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.
  - MISCELLANEOUS ABBREVIATIONS AND SYMBOLS:  
 LMC - LEAKAGE MONITORING CONNECTION  
 OMB - OUTSIDE MISSILE BARRIER  
 IMB - INSIDE MISSILE BARRIER  
 --- SAFETY CLASS CHANGE POINT
  - TEMPORARY STRAINER INSTALLED FOR PREOPERATIONAL FLUSHING ONLY. STRAINER ELEMENT TO BE REMOVED AFTER PREOPERATIONAL FLUSHING AND STRAINER BODY TO BE ROTATED 180°.
  - DELETED.
  - DELETED.
  - UPSTREAM AND DOWNSTREAM SPOOLPIECES IN LINE 3-SIH-750-155-4 TO LINES 3-SIH-001-99-4 AND 3-SIH-750-761-4, RESPECTIVELY, REMOVED AND END FLANGES BLANKED WHEN NOT IN USE FOR HYDROTESTING.
  - DELETED.
  - ALL VENT, DRAIN, TEST AND SAMPLE CONNECTIONS ARE 1/2" UNLESS OTHERWISE NOTED.
  - LOCKING OF ECCS THROTTLING VALVES 3SIH\*V61Z-1, 3SIH\*V71Z-1, 3SIH\*V81Z-1, 3SIH\*V91Z-1, 3SIH\*V21A-1, 3SIH\*V23B-1, 3SIH\*V25B-1, 3SIH\*V27A-1, 3SIH\*V107A-1, 3SIH\*V108A-1, 3SIH\*V109B-1 AND 3SIH\*V118-1 IS ACCOMPLISHED BY REMOVAL OF THE HANDWHEEL AND INSTALLING A LOCKWIRE.
  - SINGLE GLOBE VALVES ON VENTS OR DRAINS ARE SPECIAL CASES AND ARE NOT TO BE CAPED AS PRESSURE RETAINING. IF PRESSURE IS 1200 PSI OR GREATER, INSTALLED CAPS (CL 901) ARE TO BE DRILLED OUT WITH A 1/2" DIA. HOLE. A SOCKET WELDED BY THREADED COUPLING MAY BE INSTALLED IN PLACE OF A THREADED CAP FOR THE CLOSURE OF A SINGLE GLOBE VALVE VENT OR DRAIN WHERE THE SECOND GLOBE VALVE WAS REMOVED FOR SEISMIC LOADING REASONS. PLUGS SHALL NOT BE INSTALLED IN THE COUPLINGS. HOWEVER, FOR LEAK MONITORING CONNECTIONS WHERE THIS CONDITION EXISTS, A PLUG SHALL BE INSTALLED, DRILLED OUT WITH A 1/2" HOLE. THE COUPLING SHALL COMPLY TO THE APPLICABLE PIPE CLASS OF THE VENT OR DRAIN ASSEMBLY.
  - 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.
  - VENDOR SUPPLIED PUMP 3SIH-P3 AND ITS ASSOCIATED COMPONENTS WERE INSTALLED FOR START-UP ONLY. THEY ARE RETIRED IN PLACE AND NOT INTENDED TO BE RE-USED.
  - ALL VENT, DRAIN, TEST AND SAMPLE CONNECTIONS TO BE CLASS 4 DOWNSTREAM OF THE FIRST VALVE UNLESS OTHERWISE NOTED.

NUCLEAR SAFETY RELATED  
 QA CAT. I, II

**FSAR FIGURE  
 OPERATIONS CRITICAL**

CAD

| NOTE: MANUAL REVISIONS TO THIS DOCUMENT WHEN AS-BUILT ARE PROHIBITED. |    | REV. DATE | DESCRIPTION                                  | BY  | CHK | CORR | APP |
|---|----|-----------|--|-----|-----|------|-----|
| REVISIONS DURING CONSTRUCTION   |    |           |  |     |     |      |     |
| N/A   | 24 | 5-9-05    | INCRP. DCN DM3-01-0324-02                    | DLW | ASK | WBZ  | MP  |
| N/A   | 23 | 10-31-02  | INCRP. DCN DM3-00-0324-02                    | JBB | TF  | DLW  | TMS |
| N/A   | 22 | 9-6-02    | INCRP. DCN DM3-00-0226-02                    | SMH | TF  | DLW  | DCZ |
| N/A   | 21 | 11-2-00   | INCRP. DCN DM3-00-0394-00                    | RFL | CSJ | AJS  | PFL |
| N/A   | 20 | 7-9-99    | INCRP. DCN DM3-00-0184-99                    | CMC | MP  | AJS  | RJK |
| N/A   | 19 | 7-28-98   | INCRP. DCN DM3-00-0682-98                    | KF  | RJK | RFL  | RFL |
| N/A   | 18 | 1-17-97   | INCRP. DCN'S DM3-00-0479-97 & DM3-02-0479-97 | KF  | RFL | AJS  | RWS |
| N/A   | 17 | 10-22-97  | INCRP. DCN DM3-00-1161-97                    | AC  | RFL | PAM  | TJY |

Dominion Nuclear Connecticut, Inc.  
 Millstone Power Station

MILLSTONE POWER STATION-UNIT NO. 3  
 PIPING & INSTRUMENTATION DIAGRAM  
 HIGH PRESSURE SAFETY INJECTION

BY: SS/RTL  
 CRD: CEM/WD  
 APP: DHA/DEK/WS  
 DATE: 4/14/82  
 SCALE: NONE  
 MICROFILM DATE: 71-156  
 DWG. NO.: 25212-26913 SH 1 OF 2  
 REV: 24

STONE & WEBSTER ENGINEERING CORPORATION  
 BOSTON, MASS.