


- NOTES:
1. CHEMICAL CLEANING CONNECTIONS VALVES ETC. IF REQUIRED, ARE TO BE PROVIDED BY BECHTEL AS NECESSARY.
  2. LINE TO SLOPE DOWN FROM REACTOR VESSEL NOZZLE TO THE DRAIN POT AHEAD OF THE TURBINE WITH NO POCKETS IN THE LINE.
  3. DESIGN PRESSURE AND TEMPERATURE TO BE ESTABLISHED BY BECHTEL BASED ON MAIN FEED PUMP SHUT OFF PRESSURE AND/OR HPCI PUMP SHUT OFF PRESSURE AND FEEDWATER TEMPERATURE.
  4. EQUIPMENT VENT AND DRAIN QUANTITIES SHOWN ARE TO BE MODIFIED BY A.E. TO AGREE WITH V.P.F. DATA FOR ACTUAL EQUIPMENT PURCHASED, PIPING HIGH POINT VENTS AND LOW POINT DRAINS TO BE ADDED BY BECHTEL AS NECESSARY FOR COMPLETE DRAINAGE OF SYSTEM.
  5. G.E. SUPPLIED ITEMS ARE DERIVED FROM 2300/330 SECTION 2300.
  6. LOCATE VALVE MD-2301-35 AS CLOSE AS POSSIBLE TO PUMP SUCTION LINE FROM CONDENSATE STORAGE.
  7. FOR INTERLOCKING REQUIREMENTS SEE HPCI SYSTEM FUNCTIONAL CONTROL DIAGRAM M12-22-5, 23-4, 24-4.
  8. REQUIRED TOTAL RESERVE STORAGE FOR HPCI SYSTEM AND ROC SYSTEM 75,000 GALLONS. THIS AMOUNT OF STORAGE SHALL BE CAPABLE OF BEING ISOLATED FROM SERVING OTHER SYSTEMS.
  9. ALL AC INSTRUMENTATION POWERED FROM STATION BATTERY, VIA DC/AC INVERTER.
  10. THE HPCI SYSTEM IS A CLASS 1 SYSTEM EXCEPT AS NOTED.
  11. ALL EQUIPMENT, AND INSTRUMENTATION IS SUPPLIED BY GE UNLESS DESIGNATED BY \* (SUPPLIED BY BECHTEL). ALL PIPING AND VALVING IS SUPPLIED BY BECHTEL UNLESS DESIGNATED BY (SUPPLIED BY GE-APD). (THIS NOTE SUPERSEDES NOTE 11 ON M200 SHEET 2, THIS DRAWING ONLY.)
  12. MD-2301-4 AND 5, MD-2301-33 AND 34 AND AO-2301-29 AND 30 HAVE DUAL LIGHT INDICATION IN THE CONTROL ROOM.
  13. A TWO-PIECE TESTABLE SPECTACLE FLANGE, FABRICATED TO THE DETAILS SHOWN IN Dwg. NO. HL-FSK-BA (4-3911), SHALL BE SECURED TO THE PIPING TO PREVENT LOSS OR DAMAGE.
  14. LOCAL CONTROL SWITCH "HS" LOCATED ON THE ALTERNATE SHUTDOWN PANEL SHALL BE IN "RESET" TO OPERATE FROM THE CONTROL ROOM. OPERATION OF THE LOCAL CONTROL SWITCH ON THE ALTERNATE SHUTDOWN PANEL WILL INTERRUPT THE POSITION INDICATION IN THE CONTROL ROOM.
  15. VALVE MD-2301-7 IS A SWING CHECK VALVE WITH A SQUARE NUT FOR MANUAL RES. ACTIVATION.
  16. THE ISOLATION SIGNAL TO VALVES MD-2301-33 AND 34 MAY BE OVERRIDDEN BY A KEYLOCK SWITCH ON CRO3.
  17. LEVEL SWITCH LS-8001 HAS BEEN ELECTRICALLY DISCONNECTED AND ISOLATED IN PLACE TO PROVIDE PRESSURE BOUNDARY FUNCTION ONLY. REFER TO FUNCTIONAL CONTROL DIAGRAMS, HPCI SYSTEM (SEE REFERENCE DRAWINGS).
  18. VESSEL SIDE OF VALVE MD-2301-8 WEDGE IS DRILLED. SEE VALVE ASSEMBLY DRAWING FOR DETAILS.
  19. PLUG HAS BEEN SEAL WELDED.
  20. ORIFICE PLATE RD-2301-59 REMOVED. VALVE 23-10-320 NOW PROVIDES ORIFICE FUNCTION (DET POS GO-40).
  21. RESTRICTING ORIFICE IS A 1" COUPLING BLANK BORED TO 1/4".
  22. PERMANENT ACOUSTIC TRANSDUCERS ARE INSTALLED FOR CHECK VALVE. NON-INTRUSIVE TESTING (NIT) FRN 00-01-75.

- SYSTEM INTENDED FUNCTION BOUNDARY
- COMPONENTS SUBJECT TO AMR
- HIGH PRESSURE COOLANT INJECTION SYSTEM AMRM-05
  - CONDENSATE STORAGE SYSTEM AMRM-27
  - REACTOR COOLANT SYSTEM PRESSURE BOUNDARY AMRM-33

AREA	AREA	AREA	AREA
AREA 1	AREA 2	AREA 3	AREA 4
AREA 5	AREA 6	AREA 7	AREA 8
AREA 9	AREA 10	AREA 11	AREA 12
AREA 13	AREA 14	AREA 15	AREA 16
AREA 17	AREA 18	AREA 19	AREA 20
AREA 21	AREA 22	AREA 23	AREA 24
AREA 25	AREA 26	AREA 27	AREA 28
AREA 29	AREA 30	AREA 31	AREA 32
AREA 33	AREA 34	AREA 35	AREA 36
AREA 37	AREA 38	AREA 39	AREA 40
AREA 41	AREA 42	AREA 43	AREA 44
AREA 45	AREA 46	AREA 47	AREA 48
AREA 49	AREA 50	AREA 51	AREA 52
AREA 53	AREA 54	AREA 55	AREA 56
AREA 57	AREA 58	AREA 59	AREA 60
AREA 61	AREA 62	AREA 63	AREA 64
AREA 65	AREA 66	AREA 67	AREA 68
AREA 69	AREA 70	AREA 71	AREA 72
AREA 73	AREA 74	AREA 75	AREA 76
AREA 77	AREA 78	AREA 79	AREA 80
AREA 81	AREA 82	AREA 83	AREA 84
AREA 85	AREA 86	AREA 87	AREA 88
AREA 89	AREA 90	AREA 91	AREA 92
AREA 93	AREA 94	AREA 95	AREA 96
AREA 97	AREA 98	AREA 99	AREA 100

FUNCTIONAL CONTROL DIAGRAM HIGH PRESSURE COOLANT INJECTION SYS SHEET 3		M124-4	TERRY TURBINE OUTLINE DRAWING		VFP-2300	E40	4/8/01 REVISED FOR CR-PWP-2007-00002 PER DCM 14408	C15	TER	NA	SCALE: NONE	DESIGNED	GE/BECHTEL	DRAWING G.T. BARNETT	E
FUNCTIONAL CONTROL DIAGRAM HIGH PRESSURE COOLANT INJECTION SYS SHEET 2		M123-4	NUCLEAR BOILER FUNCTIONAL CONTROL DIA		M1A-15-7	E40	7/01 REVISED FOR FRN 00-01-75 PER DCM 11251	C15	TER	NA		Entergy Nuclear Generation Company			
FUNCTIONAL CONTROL DIAGRAM HIGH PRESSURE COOLANT INJECTION SYS SHEET 1		M122-5	NUCLEAR BOILER FUNCTIONAL CONTROL DIA		M1A-69-1	E48	3/01 REVISED FOR FRN 01-01-43 PER DCM 10852	C15	TER	NA		PILGRIM STATION			
HPCI SYSTEM PROCESS FLOW DIAGRAM		M11-6	NUCLEAR BOILER VESSEL INSTRUMENTATION		M243 SH 1	E45	9/01 REVISED FOR PDC 00-46 DCM 10588	C15	AFU	DLU		PLYMOUTH, MA			
PROCESS INSTRUMENT PIPING & TUBING DESIGN SPECIFICATION		22A1427AB	REACTOR WATER CLEAN-UP SYSTEM		M247	E44	9/01 REVISED PER DCM 01-10331	C15	TER	AFU	TITLE		P & ID HPCI SYSTEM		
NUCLEAR BOILER LEAK DETECTION DESIGN SPECIFICATION		22A1331	ROC SYSTEM		M248	E45	9/01 REVISED PER DCM 00-08003	C15	NA	DLU	Q		DRAWING NO. M243		
TITLE OF REFERENCE DRAWINGS		DWG NUMBER	RESIDUAL HEAT REMOVAL SYSTEM		M244 SH 1	E41	6/01 REVISED PER DCM 00-08571	C15	AFU	DLU	Non Q		REV 51		
TITLE OF REFERENCE DRAWINGS		DWG NUMBER	CONDENSATE AND DEMINERALIZER WATER STORAGE AND TRANSFER SYSTEM		M209	E50	6/01 REVISED PER DCM 03-06285	C15	TER	DLU	Non Q		REV 51		
TITLE OF REFERENCE DRAWINGS		DWG NUMBER					6/01 REVISED PER DCM 03-15381	C15	TER	DLU	Non Q		REV 51		

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