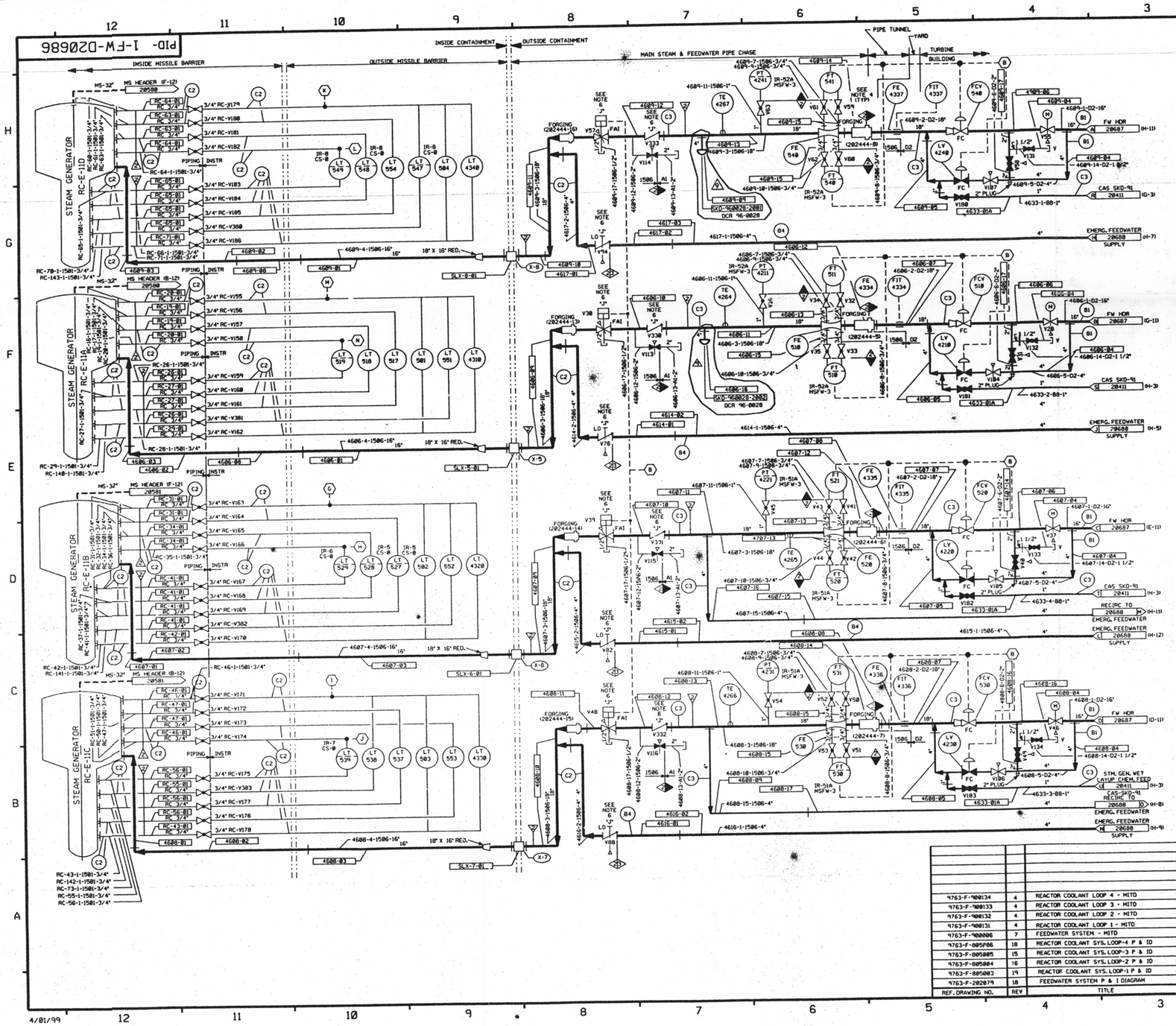
FOR INFORMATION ONLY

PID- 1-FW-D20686



FOR P&ID REFERENCE DRAWINGS, SYMBOLS AND ABBREVIATIONS REFER TO DRAWINGS P&ID-LEGEND 1 AND P&ID-LEGEND 2.

LEGEND

		DESIGN PRESSURE	TEST PRESSURE	MIN. TEST TEMP° F.	TEST MEDIUM
	TEST BOUNDARY				
B4	INTEGRITY TEST	1595 PSIG	1994/2113 PSIG	35	WATER
B1	INTEGRITY TEST (IS)	1500 PSIG	2250/2385 PSIG	SEE NOTE	D.M. WATER
C2	INTEGRITY TEST	1185 PSIG	1481/1570 PSIG	SEE NOTE	WATER
C3	INTEGRITY TEST	1500 PSIG	1875/1987.5 PSIG	SEE NOTE	WATER
N	NO TEST REQUIRED				

NOTE: A. PIPE HAVING A DIAMETER ≥ 24" OR GREATER THAN 8" WITH ⅝" WALL; THE TEST TEMPERATURE TO BE 60°F MINIMAL. WHEN THE STEAM GENERATOR IS INCLUDED IN THE PRESSURE TEST BOUNDARY, TEST TEMPERATURE TO BE 100°F MINIMAL

B. VENTS AND DRAINS WITH CAPS/BLIND FLANGES ETC. SHALL BE TESTED TO THE LAST ISOLATION VALVE.

△ DRR 93-0106

NOTES:

1. PIPING, VALVES, EQUIPMENT & INSTRUMENT TAG NOS. ARE PREFIXED BY DESIGNATION "1-FW", UNLESS OTHERWISE NOTED.
2. WORK THIS DWG. WITH 20684, 20685, 20687 & 20688.
3. INSTRUMENT IDENTIFICATION
   - (B) PROTECTION SYS. FW ISOLATION SIGNAL.
   - (G) TO FT-523 ON DWG. 1-MS-20581
   - (H) TO FT-522 ON DWG. 1-MS-20581
   - (I) TO FT-533 ON DWG. 1-MS-20581
   - (J) TO FT-532 ON DWG. 1-MS-20581
   - (K) TO FT-542 ON DWG. 1-MS-20580
   - (L) TO FT-543 ON DWG. 1-MS-20580
   - (M) TO FT-512 ON DWG. 1-MS-20580
   - (N) TO FT-513 ON DWG. 1-MS-20580
4. THE CLASS BREAK HAS BEEN EXTENDED AS SHOWN TO INCREASE THE INTEGRITY OF THE SYSTEM AND QUALITY OF THE COMPONENTS.
5. CLEANINESS CLASS "C".
6. THE IDENTIFICATION "J" NEAR A VALVE DENOTES THAT VALVE IS DESIGNATED FOR INSERVICE TESTING.
7. DELETED
8. S.D. NO. IS S.D. 1
9. VENTS, DRAINS AND TEST CONNECTION CODE BREAKS ARE AT THE DOWNSTREAM END OF THE OUTER ISOLATION VALVE PER 1-NHY-805111, UNLESS NOTED OTHERWISE.

PORTIONS OF THIS DRAWING ARE

NUCLEAR SAFETY RELATED

REF. DRAWING NO.	REV	TITLE
9763-F-900134	4	REACTOR COOLANT LOOP 4 - MITD
9763-F-900133	4	REACTOR COOLANT LOOP 3 - MITD
9763-F-900132	4	REACTOR COOLANT LOOP 2 - MITD
9763-F-900131	4	REACTOR COOLANT LOOP 1 - MITD
9763-F-900006	7	FEEDWATER SYSTEM - MITD
9763-F-805P06	18	REACTOR COOLANT SYS. LOOP-4 P & ID
9763-F-805005	15	REACTOR COOLANT SYS. LOOP-3 P & ID
9763-F-805004	16	REACTOR COOLANT SYS. LOOP-2 P & ID
9763-F-805003	19	REACTOR COOLANT SYS. LOOP-1 P & ID
9763-F-202079	18	FEEDWATER SYSTEM P & I DIAGRAM

REV	DATE	DSGN	DRWN	CHKD	CDE	SES	DESCRIPTION
9	4/01/99	RWS	—	BCS	DWS	SWM	INCORP. DCR 96-0028 DCN 00 & DRR 93-0106 REV 00
8	6/02/98	DRL	—	BCS	MPW	[illegible]	INCORP. MMOD 97-521 DCN 00
7	11/27/95	MPW	—	BCS	RRC	HWM	INCORP. DCR 95-42 CA-0
6	7/19/94	BCL	—	DWS	MPW	VNF	INCORP. DCR 92-67 CA-0
5	3/11/94	MRB	—	BCL	DWS	GRM	INCORP. MMOD 92-553 CA00
4	4/28/92	MRB	—	BCL	DWS	RRB	INCORP. MMOD 91-515 CA0
3	9/27/88	GPM	RMC	APL	MPW	RRC	REVISED PIPING TO CLARIFY DUPLICATION OF ASSOCIATED SYSTEMS AND INTERFACES LOC OF CLASS BREAK FOR CLARIFICATION, ADDED LEGEND NOTE 8 PER 9763-F-900000 AND ANSI B31.1 1977-SEC.137.1.2E, NOTE 9 DELETED: NHS-1 CL BOUNDARY, NOTE 7 & BR SYMBOL
2	11/4/86	JDM	DWS	WRD	BCL	RRC	CORRECTED INSTR CONN PER REVIEW OF DWG. 9763-F-900006, ADDED LEGEND NOTE 7, CONT DWG. CHANGES (UPDATED) REF DWG REVS. ADDED MITD REF DWGS.
1	9/12/86	MAP	TAK	BCL	VNK	RRC	REVISED PER 7914 WALKDOWN MODEL VERIFICATION, ADDED NOTE 6
0	6/26/86	WAL	LEAS CAD	BCL	JMS	RRC	ISSUED FOR OPERATIONS

North Atlantic Energy Service Corporation

SEABROOK STATION

FEEDWATER SYSTEM DETAILS

PID- 1-FW-D20686

4/01/99

D-34