FOR INFORMATION ONLY

PID- 1-FW-D20687

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
TB	TEMP. TEST BOUNDARY				
	TEST BOUNDARY				
B1	INTEGRITY TEST	IS 1500 PSIG	2250/2385 PSIG	35 (SEE NOTE)	D.M. WATER
C2	INTEGRITY TEST	1185 PSIG	1481/1570 PSIG	(SEE NOTE)	WATER
D1	INTEGRITY TEST	IS 600 PSIG	900/954 PSIG	35	D.M. WATER
E4	INTEGRITY TEST	IS 150 PSIG	225/245 PSIG	35	D.M. WATER
E1	INTEGRITY TEST	IS 250 PSIG	375/398 PSIG	35	WATER
IS	INITIAL SERVICE		N.O.P.		
N	NO TEST REQUIRED				

NOTE: A. PIPE HAVING A DIAMETER ≥ 24" OR GREATER THAN 6" WITH 5/8" WALL THE TEST TEMPERATURE TO BE 60° F MINIMUM, WHEN THE STEAM GENERATOR IS INCLUDED IN THE PRESSURE TEST BOUNDARY, TEST TEMPERATURE TO BE 100° F MINIMUM.

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

NOTES:

1. WORK THIS DRAWING WITH 20684 THRU 20686 & 20688, 20689 & 20998.
2. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX "FW", UNLESS OTHERWISE NOTED.
3. INSTRUMENT REFERENCES:
   - (A) FEEDWATER PUMP FLOW (LOW)
   - (B) PROTECTION SYS. FW ISOLATION SIGNAL
   - (C) MAIN STEAM HEADER PRESSURE
   - (D) TOTAL STEAM FLOW
   - (E) TRIPS FEEDWATER PUMPS ON 2/3 HIGH PRESSURE
4. ALL LINES, EQUIPMENT, COMPONENTS & INSTRUMENTS ARE SAFETY CLASS NNS, UNLESS OTHERWISE NOTED.
5. CLEANLINESS CLASS "C"
6. DELETED
7. SYSTEM DESCRIPTION NO. IS SD-1
8. △ INDICATES REVISION LEVEL.
9. FOR OTHER NOZZLES ON HEATERS 1-FW-E-26A&B SEE PID'S: EX-20326, FW-20689, HD-20338, HD-20475
10. ✱ ✱ + OUT OF SPEC (STAINLESS STEEL)

REV	DATE	DSGN	DRWN	CHKD	COE	SES	DESCRIPTION
18		RWS	—	—	DWS	MPW	MKC	INCORP. DCR 97-0044 DCN 80, 81
17	2/23/98	BCS	—	—	DWS	MPW	MKC	INCORP. MMOD 98-636 DCN-8
16	9/16/97	BCS	—	—	MPW	DWS	GG	INCORP. MMOD 98-594 DCN-8
15	7/17/97	MPW	—	—	BCS	DWS	GRM	INCORP. DCR 95-39 CA 49
14	6/18/97	MPW	—	—	DWS	FAC	GRM	INCORP. DCR 95-39 CA 29 & DCN 39
13	4/15/97	MPW	—	—	BCS	DWS	JCM	INCORP. MMOD 96-544 CA8
12	12/2/95	MPW	—	—	BCS	PEB	RJF	INCORP. DCR 95-39 CA 8 1, & 6 INC.ORP. DCR 94-37 CA 8
11	7/18/94	MPW	—	—	BCL	DWS	JCM	INCORP. DCR 86-420 CA 0. DFR 93-106 REV.0
10	4/5/93	MRB	—	—	DWS	BCL	JCM	INCORP. MMOD 92-553 CA8
9	10/27/92	MRB	—	—	BCL	DWS	IW	INCORP. DCR 91-57 CA8 REV. LINE NO.'S PER REF'D ISO 's
8	9/2/92	MRB	—	—	DWS	BCL	DJM	INCORP. MMOD 920677 CA 5
7	4/28/92	DWS	—	—	BCL	MPW	DJM	INCORP. MMOD 920677 CA 1, 2 & 3
6	9/25/91	GPM	FCB	JM	DWS	DJM		INCORP. DCR 91-049 CA8 PARTIAL INCORP. OF MMOD 90-677 CA8 REVISED: NOTES 1, 2, 3 & 4, LINE NO ADDED LINE NO
5	5/30/91	MRB	JM	RMC	APL	IW		INCORPORATED MMOD 90-588 CA8
4	3/29/90	MRB	RMC	APL	WCL	RSW		INCORPORATED DCR 89-21 CA REVISED INSTR. PER SIS VERIFICATION CHGD LEGEND NOTE B PER 9763-F-900000, DELETED NOTE 6 AND TEST BOUNDARY SYMBOL PER LEGEND NOTE B
3	10/30/87	MPW	MRB	BCL	DWS	PAS		REVS. NOTE 2,4, & MISC INFO & LINE CONN. DELETED DUPLICATED VENTS, PIPING & INSTR'S TEST INFO AND ECA 18 SUPERSEDED BY DCR 87-420
2	5/1/86	MPW	HIW	DWS	MPW	MJY		INCORP DCR 87-176.
1	10/1/85	PAL	OPO	MAP	VMK	RMC		REVISED PER LEAC P&ID. ADDED NOTE 8, AND MITD REF. DWGS. REV'D TO CLARIFY DUPLICATION OF SYS. REINCORP. ECA 99/122343A. ADDED LOCA DESIGNATION TO CONTINUATIONS. REV'D SIZE OF FV-4064 & FV-4065 FROM 8" TO 10". DELETED VENTS (V136,137,138,139 PER ECA IN/113318E. EXPANDED SB. INTAKE HEADER AREA FOR CLARITY.
0	6/26/84	WAL	LEAC CADD	BCL	JHS	RRC		ISSUED FOR OPERATIONS

REF. DRAWING NO.	REV	TITLE
9763-F-900005	2	CONDENSATE SYSTEM (MITD)
9763-F-900016	4	COND. CLEAN & CHEM. FEED SYS. (MITD)
9763-F-900084	6	CONDENSATE SYSTEM (MITD)
9763-F-900086	7	FEEDWATER SYSTEM (MITD)
9763-F-202078	12	CONDENSATE SYS. SHEET 2-2, P & ID
9763-F-202089	11	COND. CLEAN & CHEM. FEED SYS. P & ID
9763-F-202077	18	CONDENSATE SYSTEM P & ID
9763-F-202079	18	FEEDWATER SYSTEM P & ID

North Atlantic Energy Service Corporation

SEABROOK STATION

FEEDWATER SYSTEM DETAILS

PID- 1-FW-D20687

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