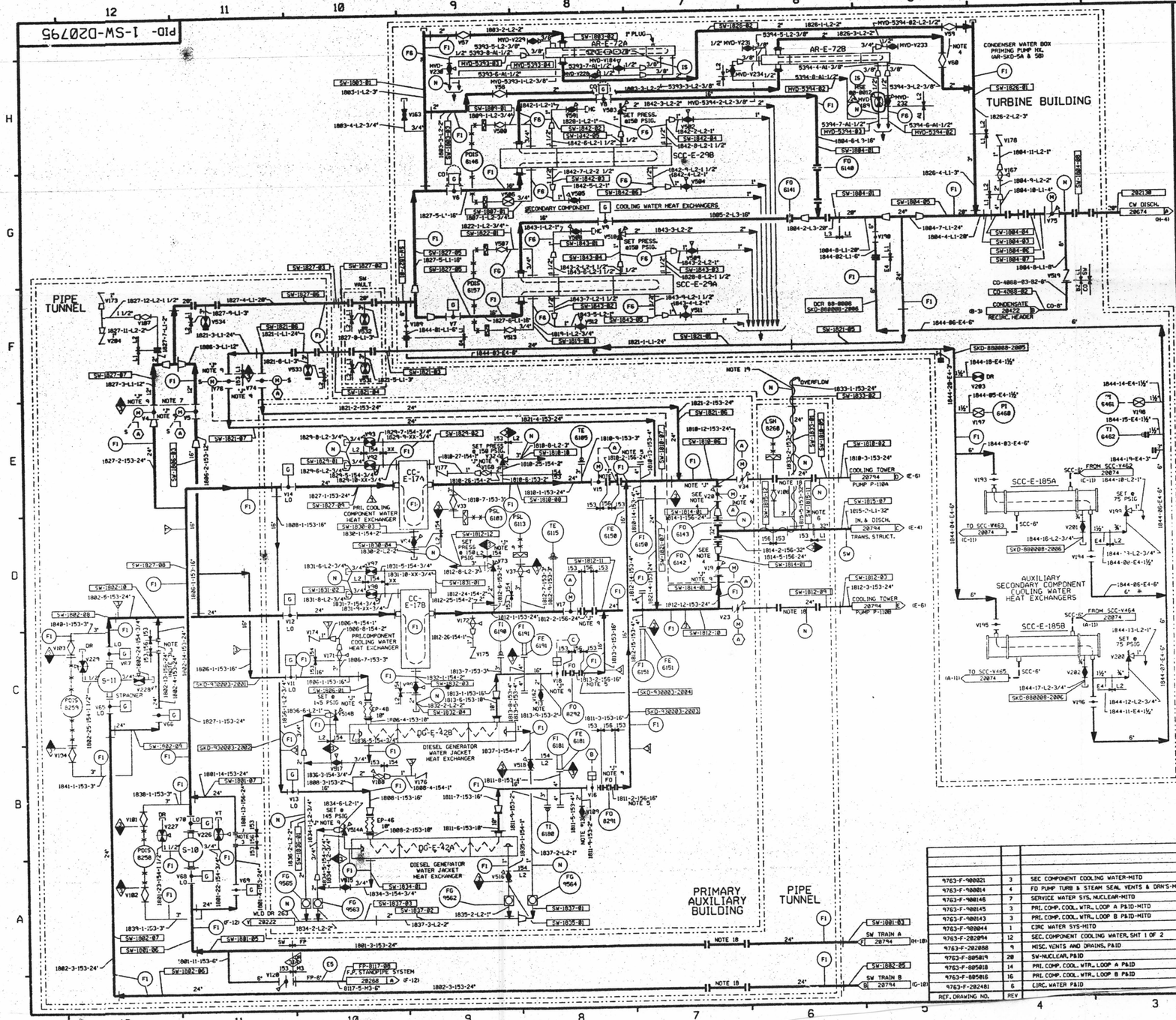
FOR INFORMATION ONLY

PID- 1-SW-D20795



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				
TB	TEMPORARY TEST BOUNDARY				
ES	INTEGRITY TEST	150 PSIG	200/220 PSIG	35	WATER
F1	INTEGRITY TEST	150 PSIG	187.5/199 PSIG	35	WATER
F6	INTEGRITY TEST (IS)	150 PSIG	150/165 PSIG	35	DM WATER
IS	INITIAL SERVICE TEST		NOP		
SW	STANDING WATER				
N	NO TEST REQUIRED (SEE NOTE B)				

NOTES: A. VENTS AND DRAINS WITH CAPS/BLIND FLANGES ETC. (ASME CL. 2 & 3, NNS) SHALL BE TESTED TO THE LAST ISOLATION VALVE.
B. NO TEST REQUIRED PER CODE CASE N-240 FOR ASME PIPING.

NOTES:
1. WORK THIS DRAWING WITH DRAWINGS 20792 & 20794.
2. ALL PIPING, VALVES, EQUIPMENT, & INSTRUMENTS HAVE SYSTEM PREFIX "SW" UNLESS NOTED OTHERWISE.
3. SPOOL PIECE NECESSARY FOR ADDITIONAL SERVICE WATER STRAINER AT LATER DATE (IF REQUIRED).
4. VALVES 1-SW-V73, 28, 94 AND V68 ARE PRESET. THESE ARE THE ONLY VALVES TO BE USED FOR FLOW BALANCING, WHEN REQUIRED.
5. A FLANGE SPOOL PIECE MIN. 5 PIPE DIA. LONG IS LOCATED ON THE OUTLET SIDE OF EACH THROTTLING VALVE, 4" OR LARGER.
6. CLASS BREAK OCCURS WHERE PIPE ENTERS EARTH.
7. VALVES V4 & V9 TO CLOSE ON COMPLETE LOSS OF OFF SITE POWER.
8. XX - DENOTES TITANIUM MATERIAL.
9. THE IDENTIFICATION "J" NEAR A VALVE DENOTES THAT VALUE IS DESIGNATED FOR INSERVICE TESTING.
10. CLEANLINESS CODE FOR SW IS "B"
CLEANLINESS CODE FOR MVD IS "C"
11. DELETED
12. UNIT NO. 2 S.W. SYSTEM IDENTICAL TO S.W. SYSTEM FOR UNIT NO. 1 SHOWN.
13. HIGH POINT VENTS TO BE LOCATED AT PIPING HIGH POINTS.
14. △ INDICATES REVISION LEVEL
15. SYSTEM DESCRIPTION NUMBER IS SD-24
16. INSTRUMENTATION REFERENCES
(A) TA LOGIC
(B) OPEN CMD FROM DG-1A
(C) OPEN CMD FROM DG-1B
17. VENTS, DRAINS AND TEST CONNECTION CODE BREAKS ARE AT THE DOWNSTREAM END OF THE OUTER ISOLATION VALVE PER 1-MHY-805111, UNLESS NOTED OTHERWISE.
18. THE CEMENT LINER IN THE SPOOL HAS BEEN REMOVED AND BELZONA HAS BEEN APPLIED.
19. HEAT TRACING HAS BEEN DISCONNECTED AND IS NON-FUNCTIONAL.

PORTIONS OF THIS DRAWING ARE
NUCLEAR SAFETY RELATED

REV	DATE	DSGN	DRWN	CHKD	CDE	SES	DESCRIPTION
29	1/18/00	BCS	—				INCORP MSE 00-012 R.V 00
28	10/28/99	MPW	—	DWS	MRB	DEA	INCORP MSE 99-303 REV 00
27	9/29/99	DWS	—	BCS	MPW	RRB	INCORP DCR 990007 DCN*00
26	7/12/99	BCS	—	MPW	RWS	MAP	INCORP DCR 980018 DCN*00, PARTIAL INCORP DCR 990007 DCN*00
25	4/30/99	DWS	—	RWS	BCS	GRM	INCORP DCR 970036 DCN*00
24	2/19/99	BCS	—	MPW	MKC	DWS	INCORP DCR 98-0034 DCN-00
23	2/3/98	BCS	—	MPW	DWS	DWS	INCORP DCR 97-11 DCN-0, MMOD 97-548 DCN-0
22	8/18/97	MPW	—	BCS	DWS	VWS	INCORP MMOD 96-550 DCN 01
21	6/18/97	DWS	—	MPW	FAC	VWS	INCORP DCR 960812 DCN# 00 & DCR 960815 DCN*00 & 1, MMOD 96-558 DCN 00.
20	5/28/97	DWS	—	MPW	FAC	VWS	PARTIAL INCORP DCR 960816 DCN*0 & 1
19	11/27/95	BCS	—	MPW	HWM	JEV	INCORP DCR 95-12 CA-0
18	8/11/95	BCL	—	DWS	JMB	GRM	INCORP MMOD 92-542 CA-0
17	6/12/95	BCL	—	DWS	MPW	DJM	INCORP MMOD 94-578 CA-0
16	5/4/95	BCL	—	DWS	MPW	RRB	INCORP MMOD 92-518 CA-0
15	4/14/95	BCL	—	MPW	DWS	RRB	INCORP MMOD 92-518 CA-0

REF. DRAWING NO.	REV
9763-F-900021	3
9763-F-900014	4
9763-F-900146	7
9763-F-900145	3
9763-F-900143	3
9763-F-900044	1
9763-F-202094	12
9763-F-202088	9
9763-F-805819	20
9763-F-805818	14
9763-F-805816	16
9763-F-202481	6

SEC COMPONENT COOLING WATER-MITD
FD PUMP TURB & STEAM SEAL VENTS & DRN'S-MITD
SERVICE WATER SYS, NUCLEAR-MITD
PRI. COMP. COOL. WTR., LOOP A P&ID-MITD
PRI. COMP. COOL. WTR., LOOP B P&ID-MITD
CIRC WATER SYS-MITD
SEC. COMPONENT COOLING WATER, SHT 1 OF 2
MISC. VENTS AND DRAINS, P&ID
SW-NUCLEAR, P&ID
PRI. COMP. COOL. WTR., LOOP A P&ID
PRI. COMP. COOL. WTR., LOOP B P&ID
CIRC. WATER P&ID

North Atlantic Energy Service Corporation

SERVICE WATER SYSTEM
NUCLEAR
DETAIL

PID- 1-SW-D20795

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