FOR INFORMATION ONLY

PID- 1-CC-D20205

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	TEMPORARY TEST BOUNDARY				
E4	INTEGRITY TEST	150 PSIG	225/245 PSIG	60	WATER
F1	INTEGRITY TEST (SEE NOTE 14)	150 PSIG	187.5/199 PSIG	60	WATER
F1 * & E4 *	INTEGRITY TEST; 6" & SMALLER PIPE TO HAVE MIN. TEST TEMP. F 35.				
N	NO TEST REQUIRED				

NOTE:
A. VENTS & DRAINS WITH CAPS/BLIND FLANGES ETC. (ASME CL 2, 3 & NNS) SHALL BE TESTED TO THE LAST ISOLATION VALVE.

NOTES:
1. WORK THIS DRAWING WITH DRAWINGS B28284 AND B28286 THROUGH B28215.
2. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX "1-CC", UNLESS NOTED OTHERWISE.
3. PERMANENT SPOOL PIECE INSTALLATION SHOWN. TEMPORARY STRAINER IS USED IN PLACE OF SPOOL PIECE DURING INITIAL FLUSHING OPERATION. STRAINER TO BE REMOVED BEFORE PLANT START-UP.
4. (N) CLOSE ON HEAD TANK TK-19A LOW LEVEL SIGNAL. SIGNAL TO V428 & V427 ON DWG CC-28286, AND Y575 ON THIS DWG. 04-11)
   (P) SIGNAL TO V122, V188, V121 & V57 ON DWG. CC-28287
5. VENT & DRAIN CODE BREAKS ARE AT THE DOWNSTREAM END OF THE OUTER ISOLATION VALVE PER 1-NHY-8851 11 UNLESS OTHERWISE NOTED.
6. △ - INDICATES REVISION LEVEL.
7. DELETED
8. CLEANLINESS CLASS "C".
9. HIGH POINT OF VENT CC-TK-19A LOCATED @MINIMUM 3 FEET ABOVE HIGH POINT
10. LINE FOR POSSIBLE FUTURE CHEMICAL ADDITION TANK.
11. SD NO. IS SD-23
12. CONTAINMENT ENCLOSURE AIR HANDLING FOR AC-2A SEE DWG 1-NAH-28495 (D-8A
13. CONNECTION TO BE USED FOR FLUSHING SEE DWG DM-28258 (F-9) & NOTE 7.
14. PCCW HEAD TANK CC-TK-19A DESIGN PRESSURE IS 100 PSIG.
15. QUICK DISCONNECTS MAY BE INSTALLED UPSTREAM OF PIPE CAPS AS DEEMED NECESSARY BY STATION STAFF TO FACILITATE VENT AND DRAIN OPERATIONS.

PORTIONS OF THIS DRAWING ARE

NUCLEAR SAFETY RELATED

REV	DATE	DSGN	DRWN	CHKD	CDE	SES	DESCRIPTION
21	1/18/99	BCS	—	MPW	DWS	PEB	REINCORP DCR 960825 DCN 02
20	11/4/98	DWS	—	MPW	BCS	PEB	REINCORP DCR 940045 CA*08
19	11/4/98	MPW	—	BCS	DWS	MAP	REINCORP DCR 960825 DCN 02
18	9/28/98	MPW	—	BCS	DWS	MAP	REVISED PER FP 51349
17	8/7/98	MPW	—	MRB	BCS	PEB	REINCORP DCR 960825 DCN 00
16	6/13/97	DWS	—	MPW	FAC	PEB	REINCORP DCR 940045 CA*0 & 1 INCORP DCR 940045 CA*0 & 1, DCR 950815 DCN-8, DCR 960816 DCN-8, 1 & 23, DCR 960825 DCN-00 & 01 ALSO RELOCATED INSTRUMENT REFERENCE NOTES "N" & "P" FROM THE P&ID BODY TO NOTE 4.
15	6/6/97	DWS	—	MPW	FAC	PEB	
14	11/27/95	MPW	—	BCS	RRC	PEB	PARTIAL INCORP DCR 94-0845 CA*0&1
13	3/7/95	BCL	—	MPW	DWS	DMO	INCORP MMOD 920598 CA*0
12	11/29/94	DWS	—	MPW	BCL	MMO	INCORP MMOD 930545 CA*0
11	4/14/94	BCL	—	MPW	DWS	DMO	INCORP, NCR 74/33566A & MMOD 93-517 CA-0
10	4/28/92	MRB	—	DWS	BCL	JEV	INCORP, MMOD 91-515 CA0
9	12/16/91	FCB	—	RMC	MRB	BCL	INCORP, MMOD 91-511 CA01
8	11/12/91	RMC	—	JM	MRB	JEV	INCORP, MMOD 91-511 CA00 AND DCR 86-447 CA0 ADDED CONST. ISO REF. DWG. NUMBER
7	2/26/91	MRB	RMC	FCB	APL	BCL	INCORP, MMOD 90-648 CA01 DELETED NOTE 7 AND "J" SYMBOL
6	4/21/89	GPM	RMC	APL	MRB	GPM	INCORPORATE DCR 88-81 CA 02 REVISED LEGEND NOTE A
5	3/22/88	GPM	JM	APL	BCL	RRC	REVISED NOTE 4 & 5, PIPING & INSTR. REFERENCE SIGNAL, LEGEND NOTE PER ANSI B31.1 1977-SEC. 137.1.2E ADDED, NOTE 12, 13, & CONT DWG NOTS & COORD DELETED NNS-1 CLASS DESIGNATION.
4	10/23/87	MPW	JM	BCL	DWS	PAG	INCORP. DCR 87-217, REVISED LEGEND NOTE PER DWG. F-900000
3	6/16/87	MPW	JM	PAL	BCL	VWS	VALVE V975 SHOWN OPEN. ADDED ISO NUMBER
2	11/4/86	JDM	OPO	WRD	BCL	RRC	ADDED LEGEND NOTE, OPERATOR TO VALVES, MTD REF. DWGS., FLANGES, MISSING LINE NUMBERS, PIPE SPEC. BREAK & CONT. DWG. COORD., REMOVED SAFETY CLASS BREAKS FROM ITEMS & DRAWG DUE TO THE USE OF NOTE 5.
1	9/12/86	BCL	OPO	MAP	BCL	RRC	INCORP. ECA 19/000327C, REVISED PER PIPING ERECTION ISO'S CC-752-82 & CC-752-86
0	6/28/86	DWS	MAP	BCL	JHS	RRC	ISSUED FOR OPERATIONS

REF. DRAWING NO.	REV	TITLE
9763-F-900115	3	PCCW LOOP A MTD
9763-F-900145	3	PCCW LOOP A MTD
9763-M-506194	9	CC PUMPS P-11A & P-11C CONTROL LOOP DIAG
9763-F-805818	14	PCCW LOOP A-SHEET 1 P&I DIAGRAM
9763-F-804981	9	PCCW LOOP A-SHEET 3 P&I DIAGRAM

PUMP	VALVE	3/4" LINE NO	1/2" LINE NO	ISO NO
P-11A	V13	767-1-152-3/4"	767-2-152-1/2"	CC-767-81
P-11C	V8	774-1-152-3/4"	774-2-152-1/2"	CC-774-81

North Atlantic Energy Service Corporation

SEABROOK STATION

PRIMARY COMPONENT COOLING LOOP A DETAIL

PID- 1-CC-D20205

PRIMARY AUXILIARY BUILDING

PRIMARY COMPONENT COOLING WATER HEAT EXCHANGER CC-E-17A SAFETY CLASS 3

PRIMARY COMPONENT COOLING WATER PUMP CC-P-11A/C SEAL PIPING DETAIL

CONTAINMENT ENCLOSURE COOLING UNIT EAH-AC-2A SAFETY CLASS 3

SPENT FUEL POOL HEAT EXCH SF-E-15A DWG 28482 (G-8)

POST ACCIDENT SAMPLE SYS HX SS-E-186 DWG 28520 (F-4)

PRIMARY COMPONENT COOLING WATER PUMP 700 HP 4160V-BUS E5

PRIMARY COMPONENT COOLING WATER PUMP 1200 HP 4160V - BUS E5

PRIMARY COMPONENT COOLING WATER LOOP A HEAD TANK SEE CC-TK-19A SAFETY CLASS 3 14

CHARGING PUMP OIL COOLER CS-P-2A DWG 28725 (A-7)

FOR FUTURE CONN. NOTE 10

FOR FUTURE CONN. NOTE 11

SAMPLE CONN. DR 260

DEMIN. WTR.

CAP. 2000 GAL.

01/22/99