FOR INFORMATION ONLY

PID- 1-CC-D20209

CONTAINMENT BUILDING

THERMAL BARRIER HEAT EXCHANGER CC-E-153A SAFETY CLASS 2 & 3

THERMAL BARRIER HEAT EXCHANGER CC-E-153B SAFETY CLASS 2 & 3

THERMAL BARRIER CIRCULATING WATER PUMP CC-P-322B SAFETY CLASS 3 3560 RPM 180 GPM 30 H.P. 460 V. MCC-E615

THERMAL BARRIER CIRCULATING WATER PUMP CC-P-322A SAFETY CLASS 3 100 GPM-3600 RPM 3560 RPM 190 GPM 30 H.P. 460V. MCC-E515

THERMAL BARRIER LOOP HEAD PIPE SAFETY CLASS 3

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				
A2	INTEGRITY TEST	2485 PSIG	3186/3292 PSIG	60	WATER
E14	INTEGRITY TEST	250 PSIG	312.5/331 PSIG	60	WATER
F1	INTEGRITY TEST	150 PSIG	187.5/199 PSIG	60	WATER
N	NO TEST REQUIRED				
E99	INTEGRITY TEST	235 PSIG	258.5/274 PSIG	60	WATER

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

NOTES:

1. WORK THIS DRAWING WITH DRAWINGS 20204 THRU 20208 & 20210 THRU 20215.
2. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX "1-CC" UNLESS NOTED OTHERWISE.
3. PERMANENT SPOOL PIECE INSTALLATION SHOWN. TEMPORARY STRAINER IS TO BE IN PLACE OF SPOOL PIECE DURING INITIAL FLUSHING OPERATION. STRAINER TO BE REMOVED BEFORE PLANT START-UP.
4. EQUIPMENT ISOLATION VALVES INSIDE CONTAINMENT ARE OPERABLE FROM THE CONTAINMENT ANNULUS.
5. VENT, DRAIN AND TEST CONN. CODE BREAKS ARE AT THE DOWNSTREAM END OF THE OUTER ISOLATION VALVE PER 1-POY-30911 UNLESS OTHERWISE NOTED.
6. OUT OF SPEC. NOTE: 300 LB. PRESSURE CLASS VALVES, FLGS., AND FITTINGS ARE REQUIRED FOR TRANSIENT CONDITIONS. ALTHOUGH PIPE IS ACCEPTABLE IN THE FOLLOWING CLASS 152 LINES: 743, 742, 749, 824, 783, 788, 711 AND 819.
7. CLEANLINESS CLASS "C".
8. SYSTEM DESCRIPTION IS SD 23.

PORTIONS OF THIS DRAWING ARE

NUCLEAR SAFETY RELATED

REV	DATE	DSGN	DRWN	CHKD	CDE	SES	DESCRIPTION
6	6/10/94	DWS		BCL	DWS	JEV	INCORP. MMOD 920533 CA*8
5	1/23/94	MRB		BCL	DWS	JEV	INCORP. MMOD 91-515 CA8
4	10/29/90	MRB	db	JM	APL	BCL	INCORP. MMOD 90-681 CA 8
3	12/6/88	MRB	RMC	CPM	APL	RRC	INCORP. DCR'S 87-82 CA5 AND DCR 87-240 CA7 REVISED: NOTE 5, LEGEND NOTE A PER ANSI B31.1 1977-SEC 137.1.2E ADDED: RC PUMP CROSS REF. DWG. NO. DELETED: NNS 1 CLASS BOUNDARY
2	6/16/87	MPW	HIW	PAL	BCL	VWS	DELETED SCREEN REF.*
1	8/22/86	MPW	JAC	MAP	BCL	RRC	INCORPED ECA'S 19/115765B & 19/181467A, ADDED PUMP INFO, MITD REF DWG LINE NOS, FLGS & NOTES DELETED REF DWGS & V362 SHOWN ON DM P&ID, ADDED DWG LOC COORD, DELETED NOTE 4, REVISED NOTE 5 DELETED CODE BREAKS PER NOTE 5.
0	6/26/86	TAK	DEC 2000	BCL	JMS	RRC	ISSUED FOR OPERATIONS

North Atlantic Energy Service Corporation

SEABROOK STATION

PRIMARY COMPONENT COOLING THERMAL BARRIER LOOP DETAIL

PID- 1-CC-D20209

REF. DRAWING NO.	REV	TITLE
9763-F-98012	5	PCCW THERMAL BARRIER LOOP MITD
9763-F-884976	10	PCCW THERMAL BARRIER LOOP-P&ID

04/22/94

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