FOR INFORMATION ONLY

PID- 1-RH-D20663

INSIDE SHIELDING | OUTSIDE SHIELDING

VAULT NO. 1

VAULT NO. 2

PIPE PENETRATION AREA

CONTAINMENT BUILDING

E-9B
RHR LOOP B
HEAT EXCHANGER
SAFETY CLASS 2 & 3

DETAIL "A"

FLEXIBLE HOSE OR TUBING LOOP (NOT SHOWN)

INSIDE SHIELDING | OUTSIDE SHIELDING

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

◇1 FURTHER ENGINEERING EVALUATION TO EFFECT ECA 99/115181C.

LEGEND

		DESIGN PRESSURE	TEST PRESSURE	MIN. TEST TEMP.[0] F	TEST MEDIUM
	TEST BOUNDARY				
A2	INTEGRITY TEST	2485 PSIG	3106/3292 PSIG	35	DM WATER
D5	INTEGRITY TEST	300 PSIG	375/398 PSIG	35	DM WATER
D4	INTEGRITY TEST	600 PSIG	750/795 PSIG	35	DM WATER
D7	INTEGRITY TEST	350 PSIG	437.5/463 PSIG	35	DM WATER
E10	INTEGRITY TEST	220 PSIG	275/291 PSIG	35	DM WATER
F1	INTEGRITY TEST	150 PSIG	187.5/199 PSIG	35	DM WATER
P5	INTEGRITY TEST	15 PSIG	18/22.5 PSIG	35	AIR
N	NO TEST REQUIRED				

NOTE:
- A. VENTS & DRAINS (ASME CL. 2 & 3) SHALL BE TESTED TO THE LAST ISOLATION VALVE.
- B. ASME (D4) TEST IS EXTENDED TO THE ANSI PORTION PER MM-1300A.
- C. RELIEF VALVE DISCHARGE PIPING FOR VALVE V-25 MUST BE FILLED WITH WATER TO ITS MAXIMUM ELEVATION DURING PRESSURE TESTING.
- D. FOR ASME THAT HAVE THE HYDROSTATIC TEST UNDER ANSI B31.1 CRITERIA. THE TEST DOES NOT OVERSTRESS PIPING SYSTEM PER THE STRESS REPORT.

NOTES:
1. WORK THIS DRAWING WITH DRAWINGS 20660 & 20662. PORTIONS OF THIS DRAWING ARE DUPLICATED ON DRAWING SI-20446, SI-20448 & SI-20449 DUE TO DUAL SYSTEM FUNCTIONS.
2. ALL LINES, VALVES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX RH, UNLESS NOTED OTHERWISE.
3. ● INDICATES 3/8" FLOW RESTRICTOR INSTALLED. SEE APPLICABLE DETAIL ON DRAWING RC-20848.
4. DELETED
5. REFER TO DRAWING VSL-20774 FOR VALVE LEAKOFFS.
6. PERMANENT SPOOL PIECE INSTALLATION SHOWN. TEMP. STRAINER IS USED IN PLACE OF SPOOL PIECE DURING INITIAL FLUSHING OPERATION. STRAINER TO BE REMOVED BEFORE PLANT START-UP.
7. INSTRUMENTATION:
   - (A) INTERLOCKED WITH SI-V59, SI-V60, SI-V63, (DWG. 20446) CBS-V14, (DWG. 20233 PC-787, & PC-789 (DWG. 20844).
8. VENTS, DRAINS, TEST (CAP) & ORIFICE TAP PIPING CODE BREAKS ARE AT THE DOWNSTREAM END OF THE OUTER ISOLATION VALVE PER 1-THMY-B0511, UNLESS NOTED OTHERWISE.
9. DELETED
10. DELETED
11. DELETED
12. △ -INDICATES REVISION LEVEL.
13. DELETED
14. ✦ INDICATES VALVE SUPPLIED BY WESTINGHOUSE. ✦
15. DELETED
16. DELETED
17. CLEANLINESS CLASS "B".
18. DELETED
19. DELETED
20. DELETED
21. DELETED
22. SO NO. NHM-NCH-283
23. DELETED
24. ○ INDICATES OPEN ITEM NUMBER.
25. MANUALLY HANDWHEEL LOCKED OPEN EXCEPT DURING MIDLOOP.

PORTIONS OF THIS DRAWING ARE
NUCLEAR SAFETY RELATED

REV	DATE	DSGN	DRWN	CHKD	CDE	SES	DESCRIPTION
11	9/9/99	DWS	—	MFW	MWM	DMD	REINCORP DCR 990013 CA#20
10	11/14/97	BCL	—	MFW	MWM	DMD	INCORP MMOD 96-555 CA3
9	11/27/96	BCL	—	MFW	RRC	DMD	INCORP DCR 95-23 CA0
8	4/18/95	BCL	—	DWS	MFW	JJS	INCORP DCR 94-54 CA0
7	3/20/94	BCL	—	MRB	DWS	GRM	INCORP MMOD 92-552 CA0
6	10/5/92	MRB	—	DWS	BCL	DMP	INCORP MMOD 92-586 CA0
5	04/17/92	MRB	—	DWS	BCL	RRB	INCORP MMOD 91-515 CA0
4	11/11/89	MRB	RMC	PAL	APL	GRM	INCORP DCR 87-422 CA 13, 84-13 CA #33, 88-32 CA0, 87-136 CA11, & 86-72 DELETED NOTE 18, DWG. CHANGES CREATED INCORPORATED DCR 87-349 REVISIONS TO REFLECT AS INSTALLED CONF. & TO CLARIFY REDUNDANT SUPPORTS. DWG. CONT'L NOTES 1, 24, & 8 & TGD DWG. NO. & LEGEND NOTE A TO 378, I.E. DWG. NO. REFERENCE NCR 87-0MSC ADDED DET. 'A1' NOTE FOR VALVE V-25 NEW FLOW RESTRICTOR INDICATION ALPHA DESIGNATION FOR TEST NOTES & REVISED NOTE 8 & NOTE 25 DELETED NOTES 18 & 19 NOTE 8 REVISED TO INCLUDE VSL-20774 & VSL-20775 PIPING SPEC BREAKS PER NOTE 8. ADDED ITEM, NMS-1 CL. BOUNDARY
3	08/30/87	GPM	JM	DWS	BCL	POS	REVISED PER CHANGES AS SHOWN PER SCOPTIN 870264. INCORP NCR 87-0MSC. ADDED INCOMPLETE ITEM.
2	11/26/86	MRJ	TAK	WRO	BCL	RRC	

REF. DRAWING NO.	REV	TITLE
9763-F-900136	5	RESIDUAL HEAT REMOVAL SYS. M1TD
9763-F-805008	17	RESIDUAL HEAT REMOVAL SYS. P&ID

North Atlantic Energy Service Corporation

SEABROOK STATION

RESIDUAL HEAT REMOVAL SYS.
TRAIN B CROSS-TIE
DETAIL

PID- 1-RH-D20663

03/12/99

D-59