



FOR PAID REFERENCE DRAWINGS, SYMBOLS AND ABBREVIATIONS REFER TO DRAWINGS PAID - LEGEND 1 AND PAID - LEGEND 2

DESIGNATION	TEST PRESSURE	MIN. TEST TEMP.	TEST MEDIUM
TEST BOUNDARY			
A2 INTEGRITY TEST	2485 PSIG 3106/3242 PSIG	35	WATER
IS INITIAL SERVICE	N.O.P.		
B2 INTEGRITY TEST	1750 PSIG 2187.5/2311 PSIG	35	WATER
E1B INTEGRITY TEST	228 PSIG 275/241.5 PSIG	35	WATER
F1 INTEGRITY TEST	158 PSIG 187.5/199 PSIG	35	WATER
P5 INTEGRITY TEST	15 PSIG 18.8/22.5 PSIG	35	AIR/H ₂ O
SM STANDING WATER			
N NO TEST REQUIRED			

NOTES:
 A. VALVES AND DRAINS (ASME CL 2 & 3, NMS) SHALL BE TESTED TO THE LAST ISOLATION VALVE ON THIS DRAWING AND DETAILED ON RH-28663 DUE TO DUAL SYSTEM FUNCTIONS.
 B. THE RELIEF VALVE DISCHARGE PIPING FOR VALVES CBS-V52, RH-V13, RH-V25, SI-V76, SI-V80, SI-V13 & SI-V248 MUST BE FILLED WITH WATER TO ITS MAXIMUM ELEVATION DURING PRESSURE TESTING.

- NOTES:
- WORK THIS DRAWING WITH DRAWINGS 28445, 28447 THRU 28256. PORTIONS OF RH SYSTEM Duplicated ON THIS DRAWING ARE DETAILED ON RH-28663 DUE TO DUAL SYSTEM FUNCTIONS.
 - ALL PIPES, VALVES, EQUIPMENT, COMPONENTS, AND INSTRUMENTS HAVE SYSTEM PREFER SI UNLESS NOTED OTHERWISE.
 - (A) = VALVE INTERLOCK FROM RH-V25, RH-V26 (D.M.C. 28444).
 - 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.
 - VENT, DRAIN, TEST COUPLERS AND ORIFICE TAP PIPING CODE BREAKS ARE AT THE DOWNSTREAM END OF THE OUTER ISOLATION VALVE PER 1-WH-88913 UNLESS NOTED OTHERWISE.
 - DELETED
 - ADJUST VALVES IN FIELD TO LIMIT PUMP RUN OUT THEN LOCK.
 - MINIMUM FLOW INDICATOR SUPPLIED WITH PUMP.
 - INDICATES REVISION LEVEL.
 - INDICATES 3/8" FLOW RESTRICTOR INSTALLED. SEE APPLICABLE DETAIL ON DWG. RC-28848.
 - DELETED
 - LOCATE FLOW INDICATOR OUTSIDE OF SAFETY INJECTION PUMP ROOMS.
 - DELETED
 - CLEANLINESS CLASS "B".
 - INDICATES VALVE SUPPLIED BY WESTINGHOUSE.
 - SD NO IS NMS/WHN 284

PORTIONS OF THIS DRAWING ARE
NUCLEAR SAFETY RELATED

REV	DATE	USGN	DRWN	CHKD	CODE	SES	DESCRIPTION
18	5/7/99	DWS	BCL	RWS	JMS	INCORP	INCORP. MHO 978618 DCN#08
17	5/26/97	MPW	BCL	RRB	RRB	INCORP.	INCORP. DCR #6-21 PCN#0
16	12/2/96	BCL	RRB	RRB	RRB	REVISION	REVISION. CTR #5-23 CA#0
15	10/27/96	BCL	RRB	RRB	RRB	INCORP.	INCORP. DCR #5-23 CA#0
14	6/27/94	BCL	RRB	RRB	RRB	INCORP.	INCORP. MHO 94-511 CA#0
13	4/14/94	MRL	DWS	DMP	DMP	INCORP.	INCORP. MHO 93-517 CA#0
12	4/28/92	BCL	DWS	BCL	JEV	INCORP.	INCORP. MHO 91-511 CA#0. 91-515 CA#0 & 91-516 CA#0 DELETED NOTE 13 "J" DESIGNATION REVISION PIPING TO CLARIFY REDUNDANT SYS DUPLICATION. NOTES 1, 2, & 3 LINE NO LEGEND NOTE A PER 9763-885818 & 9763-885819 SEE 137.22. ADDED PIPING TO CLARIFY REDUNDANT SYS DUPLICATION. CONT CLIPED. REF DWS, FLOW RESTRICTOR DETAIL. ALPHA DESIGNATION LINE NO. 150 DWG NO'S. ALPHA DESIGNATION FOR TEST NOTE A NEW NOTE B DELETED NMS-1 CLASS BOUNDARY. PIPING CODE BREAKS PER NOTE 5, NOTE 6 & INTEGRITY TEST DESIGNATION LINE NO'S. 150 DWG NO'S. NOTE 11
11	12/15/97	GPH	RNC	DWS	BCL	PAS	ADDED PAID LEGEND NOTE, ADDED CONT DWG REF COORDINATES, INCORP. DCR #7-8812
10	2/23/97	VDS	TAK	MJL	BCL	VMS	MOVED NOTE 18 TO 15. ADDED NEW NOTE 18 & NOTE 19. ADDED A REVISION CONTAINING REFERENCES, REVISED BOUNDARY REVISION LOCATION OF VALVE FROM TO SHOW INSIDE VALVE. ADDED MTD PARTS & ISO BOUNDARIES FOR CBS, RH & CS SYSTEMS. UPDATED LEGEND.
9	4/12/94	MRJ	DWS	MAP	BCL	RRR	
8	6/26/92	OPD	RRR	VPS	JMCS	RRR	ISSUED FOR OPERATIONS

North Atlantic Energy Service Corporation

SEABROOK STATION

**SAFETY INJECTION SYSTEM
 INTERMEDIATE HEAD INJECTION
 SYSTEM DETAIL**

PID- 1-SI-D20446

D-66