



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

**LEGEND**

TEST	DESIGN PRESSURE	TEST PRESSURE	MIN. TEST TEMP. F	TEST MEDIUM
TEST BOUNDARY				
DN	INTEGRITY TEST	248 PSIG	288/318 PSIG	35 WATER
E4	INTEGRITY TEST	158 PSIG	225/245 PSIG	35 WATER
F1	INTEGRITY TEST	158 PSIG	187.5/199 PSIG	35 WATER
IS	INITIAL SERVICE		N.A.P.	
SW	STANDING WATER			
H	NO TEST REQUIRED			
E4	(SEE NOTE B BELOW)	158 PSIG	225/245 PSIG	35 WATER

NOTE A: VENTS & DRAINS WITH CAPS BLIND FLANGES ETC. W/ASME CL. 2, 3 & NPS SHALL BE TESTED UP TO THE LAST ISOLATION VALVE.  
 B: LINES MARKED WITH AN ASTERISK (\*) INDICATE PIPING AND COMPONENTS TO BE TESTED PER REF. GUIDE L143. ALL OTHER LINES MAY BE INSERVICE TESTED OR TESTED PER THE LEGEND.

- NOTES:**
1. WORK THIS DRAWING WITH 28488, 28482 & 28483.
  2. ALL LINES, EQUIPMENT, COMPONENT & INSTRUMENTS HAVE SYSTEM PREFIX "SF", UNLESS NOTED OTHERWISE.
  3. ALL LINES, EQUIPMENT, COMPONENTS & INSTRUMENTS ARE SAFETY CLASS NMS UNLESS NOTED OTHERWISE.
  4. REMOVE BLIND FLANGE DURING PLANT POWER OPERATION. CLOSE VALVE & REPLACE BLIND FLANGE PRIOR TO REFUELING.
  5. VALVE MUST BE LEFT OPEN DURING PLANT POWER OPERATION.
  6. SEE DRAWING 28353 FOR MECHANICAL SEAL SUPPLY TO PUMP P-272
  7. CLEANLINESS CLASS "B".
  8. DELETED
  9. DELETED
  10. 50 NO. 15 SD-27.
  11.  $\Delta$  INDICATES REVISION LEVEL.
  12.  $\Delta$  SPRING LOADED, PISTON STYLE CHECK VALVE.

PORTIONS OF THIS DRAWING ARE  
**NUCLEAR SAFETY RELATED**

REV	DATE	DSGN	DRWN	CHKD	COE	SES	DESCRIPTION
6	7-1-97	DWS					INCOMP. DCR 970808 DCN*08
5	12/15/94	MPW					INCOMP. MHE0 93-545 CA B
4	9/26/94	GPM	JM	FCB	MRB	IM	INCOMP. DCR 86-238 CAB
3	8/8/94	MRB	JM	FCB	GPM	GRN	INCOMP. DCR 98-47 CAB AND DCR 86-183 CAB DELETED NOTE B & "J" SYMBOL
2	5/9/89	MRB	FCB	PAL	APL	GRN	INCOMP. DCR 86-338 CA B2 REVISION NOTES 2, 3 NUCLEAR SAFETY RELATED LABEL LEGEND NOTE A PER ANSI B31.1 1977 SEC 137.1.2E & 137.1.2F
1	3/17/88	MMP	OPD	BCL	VNK	RRC	RELOCATED NOTE 9 TO LEGEND NOTE B
B	6/27/88	TAK	ZAS	BCL	JHS	RRC	INCOMP. FOR "IT" TESTS. ADDED DRAIN COORD. ADDED NOTES 10 & 11 & 11B DMS TO REF. BLOCK. REVISED PER USMC PAID.

**North Atlantic Energy Service Corporation**

**SPENT FUEL POOL COOLING & CLEAN-UP SYSTEM DETAIL**

PID-1-SF-D20484

06/86/97

D-65