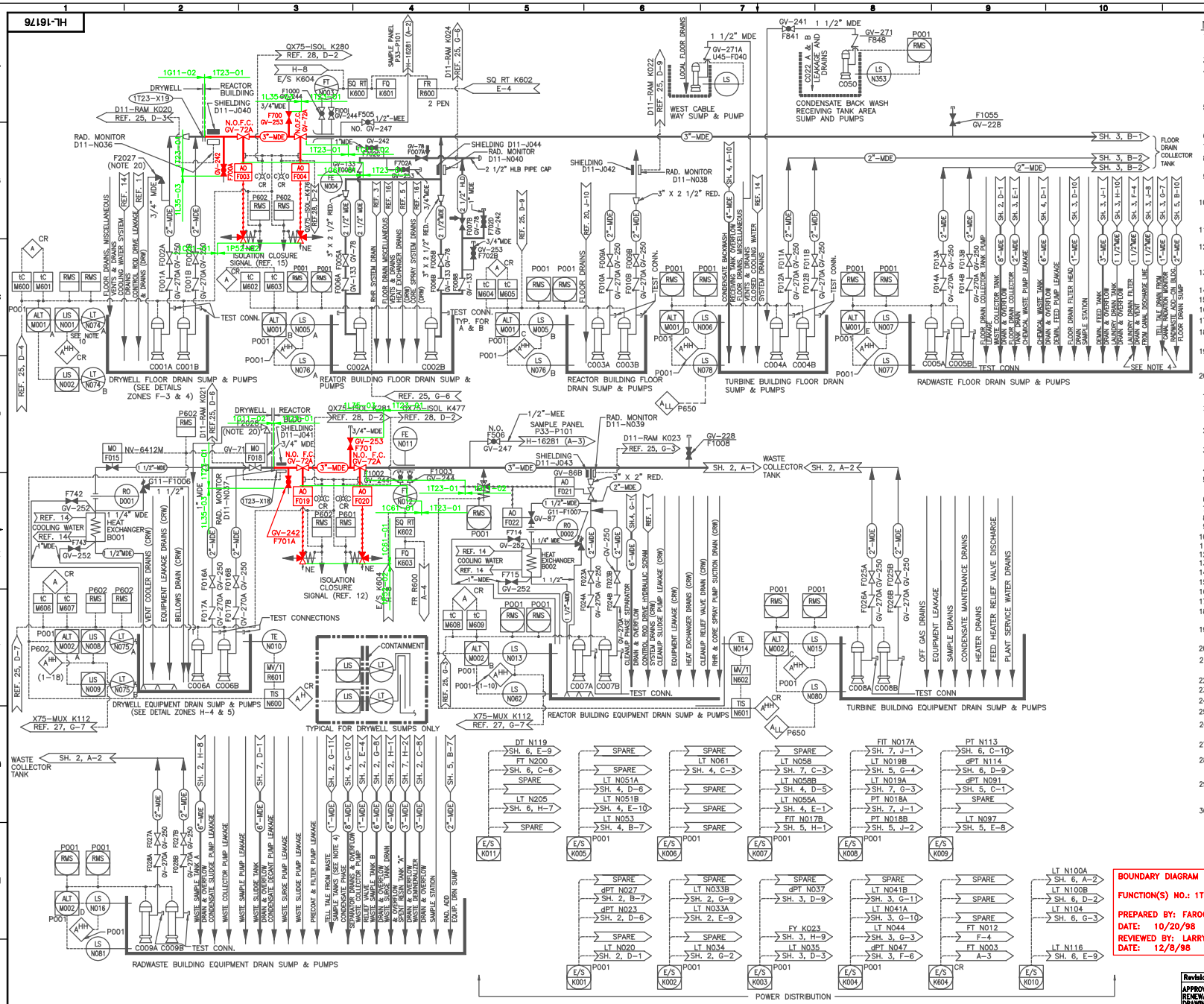
HL-16176



NOTES:

1. ALL EQUIPMENT & INSTRUMENTS ARE PREFIXED BY SYSTEM NO. G11 UNLESS OTHERWISE NOTED.
3. ALL AIR OPERATED VALVES ARE SHOWN IN FAIL AND NORMAL MODE.
4. INCOMING PIPING TO SUMPS SHALL TERMINATE BELOW LOW WATER LEVEL TO PROVIDE A WATER SEAL UNLESS OTHERWISE SHOWN. OFF GAS LINE DRAINS SHALL BE SEALED AS ABOVE OR WITH LOOP SEALS SUFFICIENT TO PREVENT OFF GASES FROM ENTERING SUMP.
5. ALL MOTOR AND SOLENOID OPERATED VALVES. CENTRIFUGES AND PUMPS SHALL BE PROVIDED WITH ONE SET OF STATUS INDICATING LIGHTS ADJACENT TO THE REMOTE MANUAL SWITCH. ADDITIONAL LIGHTS ARE NOTED.
6. INTERLOCK TO PREVENT OPENING BOTH VALVES AT THE SAME TIME.
7. USED DURING PRESTARTUP ONLY. TO BE REMOVED AFTER STARTUP.
8. TANK VENTS AND SUMP VENTS SHALL BE PIPED TO BUILDING VENT SYSTEM, 12" FROM ROOM EXHAUST.
9. EQUIPMENT DRAINS & SEALS SHALL BE ROUTED TO EQUIPMENT DRAIN OR FLOOR DRAIN SYSTEM IN ACCORDANCE WITH DESIGN SPEC. FOR RADIOACTIVE DRAIN SYSTEM AND WILL NOT FLOW FREELY ACROSS THE FLOOR.
10. ONE SUMP PUMP WILL START AUTOMATICALLY ON HIGH LEVEL, THE SECOND PUMP WILL START AUTOMATICALLY ON HIGH-HIGH LEVEL AND BOTH WILL STOP AUTOMATICALLY ON LOW LEVEL.
11. FEED DILUTION ON HIGH TORQUE. FLUSH ON HIGH-HIGH TORQUE & HIGH HOPPER LEVEL.
12. OVERFLOW LINES FROM CLOSED TOP TANKS WILL HAVE A TWO FOOT WATER SEAL FILLED BY A CONDENSATE LINE OR WILL BE SUBMERGED IN THE COLLECTING SUMP TO PREVENT VENTING THROUGH THE OVERFLOW.
13. SINGLE ALARMS AND INDICATING LIGHTS ARE LOCATED IN THE RADWASTE CONTROL ROOM UNLESS OTHERWISE INDICATED.
14. FOR SAMPLING LINES SEE REF. 7.
15. SEE NOTE 7.
16. DELETED PER ABN 97-0363.
17. FOR DETAILED INFORMATION, SEE REF. 19 THIS DWG
18. CATION FLOC & ANION FLOC MIXING TANKS, VALVES & EDUCTORS SUPPLIED BY CONDENSATE POLISHING SYSTEM CONTRACTOR.
19. NUMBERS WITHIN ○ INDICATE ANALOG INPUT NUMBERS AS DESCRIBED IN THE FUNCTIONAL DESIGN CRITERIA FOR EMERGENCY RESPONSE FACILITY, TABLE "D"-UNIT 1 ANALOG INPUT SIGNALS TO THE SPDS/ERF COMPUTER SYSTEMS.
20. VALVES G11-F2027 AND G11-F2028 ARE ASME III, CLASS 3.

REFERENCES

REFERENCE	MPL NO.	SSI NO.
1. CONTROL ROD DRIVE HYDRAULIC SYSTEM P&ID.	C11-1010	H-16065
2. PROCESS RADIATION MON SHT. 2 SYSTEM P&ID.	D11-1010	H-16564
3. RESIDUAL HEAT REMOVAL SYSTEM SHT. 1 P&ID. SHT. 2	E11-1010	H-16329 H-16330
4. RADWASTE SYSTEM FCD	G11-1030	
5. REACTOR WATER CLEANUP SYS P&ID SHT. 1 SHT. 2	G31-1010	H-16188 H-16189
6. PRESSURE INTEGRITY SPECIFICATION	A61-4030	S
7. PLANT REQUIREMENTS	A61-4020	
8. PIPING AND INSTRUMENT SYMBOLS	A61	S15051
9. RADWASTE SYSTEM P.D.	G11-1020	S
10. RADWASTE SYSTEM DES. SPEC.	G11-4010	S
11. CORE SPRAY SYSTEM P&ID	E21-1010	H-16331
12. NUCLEAR BOILER SYSTEM FCD	B21-1030	S
13. FUEL POOL COOLING SYS. P&ID	G41-1010	H-16002
14. REACTOR BLDG. C.C.W. SYS. P&ID	P42-1010	H-16009
15. RADWASTE BLDG. ADD. SUPPORT SYS.	G11-1040 & 1050	H-16517
16. REACTOR & RADWASTE DRAINAGE DIAG.	T45-1020	H-16018
17. FUEL POOL FILTER/DEMIN. SYS. P&ID	G41-1020	H-16003
18. PIPING & INSTRUMENTATION DIAGRAM RADWASTE PACKAGING SYSTEM.	G11-9090	SX-16188
19. RADWASTE HEAT TRACING ELEMENTARY DIAGRAM	G11-P030	H-19548
20. LEAK DETECTION SYSTEM	T45-1030	H-16039
21. WASTE GAS TREATMENT BLDG. SUPPORT SYSTEMS P&ID	N62-1015	H-16540
22. PROCESS RADIATION MON. IED SHT. 2		H-16564
23. PROCESS RADIATION MON. IED SHT. 3		H-16565
24. PROCESS RADIATION MON. IED SHT. 4		H-16566
25. PROCESS RADIATION MON. IED SHT. 5	D11-1010	H-16165
26. OFF GAS RECOMBINER BLDG. SUPPORT SYSTEMS P&ID	N62	H-16523
27. ANNUNCIATOR SIGNALS TO TSC I.E.D.	X75-1010	H-16402
28. DIGITAL INPUT SIGNALS TO THE ERF COMPUTER SYSTEM I.E.D. SHEET 6 OF 15.	X75-1010	H-16408
29. DATA AQUISITION CHART, ERF ANALOG SIGNALS -- GIT SIGNAL CONDITIONING SHEET 4 OF 8.	X75-P601	SX-19336
30. RADWASTE BUILDING-STEEL SUPPORTS FOR SHIELDED DETECTOR WELL-NEAT LINE AND REINF FOR CONCRETE PADS AT EL. 108'-0"	D11-J009	H-15741

THIS DWG TAKE PRECEDENCE OVER VENDOR DWG S-15357

BOUNDARY DIAGRAM NO.: 1T23-B01-15
FUNCTION(S) NO.: 1T23-01
PREPARED BY: FAROOK CHANDIWALA
DATE: 10/20/98
REVIEWED BY: LARRY ORR
DATE: 12/8/98

Revision: A Date: 1-4-2000
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BY	DWN	APPR
TRM	RLM	ASK

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MPL NO. G11-1010 ACAD14 HL16176

SOUTHERN COMPANY

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EDWIN I. HATCH NUCLEAR PLANT UNIT No. 1
RADWASTE SYSTEM P&ID
SHEET NO. 1

DRAWN	DESIGNED	LOCATION	DOCUMENT NUMBER	REVISION
TRM	LCF	10-502	HL-16176	A
DATE	SCALE None			