



- NOTES:**
1. ALL EQUIPMENT & INSTRUMENTS ARE PREFIXED BY SYSTEM NO. G11 UNLESS OTHERWISE NOTED.
 2. ALL INSTRUMENTS ARE PREFIXED BY SYSTEM NO. G11 UNLESS OTHERWISE NOTED.
 3. ALL AIR OPERATED VALVES ARE SHOWN IN FAIL AND NORMAL MODE.
 4. INCORPORATING PIPING TO SUMPERS 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. VENT SYSTEM DRAINS & SEALS SHALL BE DESIGNED TO EQUIPMENT DRAIN OR FLOOR DRAIN SYSTEM IN ACCORDANCE WITH SPEC. FOR RADIOACTIVE DRAIN SYSTEM AND WILL NOT FLOW FREELY ABOVE 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. RADIOWASTE BUILDING AND INDICATING LIGHTS ARE LOCATED IN THE RADIOWASTE CONTROL ROOM UNLESS OTHERWISE INDICATED.
 14. FOR SAMPLING LINES SEE REF. 7.
 15. SEE NOTE 7.
 16. DELETED PER ABN 97-0363.
 17. FOR MORE INFORMATION, SEE REF. 19 THIS DWG.
 18. CATION FLOC & ANION FLOC MIXING TANKS, VALVES & EDUCTORS SUPPLIED BY CONDENSATE POLISHING SYSTEM CONTRACTOR.
 19. NUMBERS WITHIN O INDICATE ANALOG INPUT NUMBERS AS DESCRIBED IN THE FUNCTIONAL DESIGN CRITERIA FOR EMERGENCY RESPONSE FACILITY, TABLE "D" - UNLESS OTHERWISE NOTED. NUMBERS WITHIN I INDICATE INPUT SIGNALS TO THE SPEC/ERF COMPUTER SYSTEMS.
 20. VALVES G11-22027 AND G11-22028 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 SYSTEM P&ID. | SHT. 2 D11-1010 | H-16564 |
| 3. RESIDUAL HEAT REMOVAL SYSTEM SHT. 1 P&ID. | E11-1010 | H-16329 |
| 4. RADIOWASTE SYSTEM FCD SHT. 2. | G11-1030 | H-16188 |
| 5. REACTOR WATER CLEANUP SYS P&ID SHT. 1. | G31-1010 | H-16189 |
| 6. PRESSURE INTEGRITY SPECIFICATION | A61-4030 | |
| 7. PLANT REQUIREMENTS | A61-4020 | |
| 8. PIPING AND INSTRUMENT SYMBOLS | A61 | S15051 |
| 9. RADIOWASTE SYSTEM P.D. | G11-1020 | S |
| 10. RADIOWASTE 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. RADIOWASTE BLDG. ADD. SUPPORT SYS. | G11-1040 & 1050 | H-16017 |
| 16. REACTOR & RADIOWASTE DRAINAGE DIAG. | T45-1020 | H-16018 |
| 17. FUEL POOL FILTER/DEMIN. SYS. P&ID | G41-1020 | H-16003 |
| 18. PIPING & INSTRUMENTATION DIAGRAM RADIOWASTE PACKAGING SYSTEM. | G11-3090 | H-16188 |
| 19. RADIOWASTE HEAT TRACING ELEMENTARY DIAGRAM | G11-3030 | H-19548 |
| 20. LEAK DETECTION SYSTEM | T45-1030 | H-16039 |
| 21. WASTE GAS TREATMENT BLDG. SUPPORT SYSTEMS P&ID | T452-1015 | H-16540 |
| 22. PROCESS RADIATION MON. IED SHT. 2 | D11-1010 | H-16564 |
| 23. PROCESS RADIATION MON. IED SHT. 3 | D11-1010 | H-16565 |
| 24. PROCESS RADIATION MON. IED SHT. 4 | D11-1010 | 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. | W75-1010 | H-16402 |
| 28. DIGITAL INPUT SIGNALS TO THE ERF COMPUTER SYSTEM. I.E.D. SHEET #F OF 15. | W75-1010 | H-16408 |
| 29. DATA ACQUISITION CHART, ERF ANALOG SIGNALS - GT SIGNAL CONDITIONING SHEET 4 OF 8. | W75-P601 | SK-19336 |
| 30. RADIOWASTE BUILDING-STEEL SUPPORTS FOR SHIELDED DETECTOR WELL-NEAT LINE AND REINFORCED CONCRETE PADS AT EL. 108'-0" | D11-009 | H-15741 |

BOUNDARY DIAGRAM NO. 1123-801-15
FUNCTION(S) NO. 1123-01
PREPARED BY: FAROOK CHANDIWALA
DATE: 10/20/98
REVIEWED BY: LARRY ORR
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LICENSE RENEWAL SCREENING FOR INFORMATION ONLY

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

NO.	DATE	DESCRIPTION	LOCATION	DOCUMENT NUMBER	REVISION
1	10/20/98	ISSUED PER LICENSE RENEWAL BOUNDARY PACKAGES.	10-502	HL16176	A

THIS DWG TAKE PRECEDENCE OVER VENDOR DWG S-15357