



BOUNDARY DIAGRAM NO.: 2E51-B01-01
 FUNCTION(S) NO.: 2E51-01, 2C61-01, 2T23-01
 PREPARED BY: WAYNE LUNCFORD
 DATE: 5/8/98
 REVIEWED BY: WILLIAM P EVANS
 DATE: 5/8/98

BOUNDARY DIAGRAM NO.: 2B21-B02-05
 FUNCTION(S) NO.: 2B21-02, 2C61-01
 PREPARED BY: WILLIE JENNINGS
 DATE: 4/24/98
 REVIEWED BY: WILLIAM P EVANS
 DATE: 5/28/98

BOUNDARY DIAGRAM NO.: 2P11-B01-02
 FUNCTION(S) NO.: 2E41-01, 2E51-01
 PREPARED BY: WILLIAM P EVANS
 DATE: 2/27/98
 REVIEWED BY: BO ROSBERG
 DATE: 2/27/98

BOUNDARY DIAGRAM NO.: 2E11-B01-05
 FUNCTION(S) NO.: 2E11-01
 PREPARED BY: WILLIE JENNINGS
 DATE: 2/2/98
 REVIEWED BY: WILLIAM P EVANS
 DATE: 5/5/98

BOUNDARY DIAGRAM NO.: 2L36-B01-04
 FUNCTION(S) NO.: 2L36-02
 PREPARED BY: M D STEPHENS
 DATE: 6/11/98
 REVIEWED BY: WILLIE JENNINGS
 DATE: 7/9/98

- NOTES:**
- EQUIPMENT AND INSTRUMENTS ARE PREFIXED BY MPL NO. 2E51 UNLESS OTHERWISE NOTED.
 - SLOPE STEAM LINE DOWN ALL THE WAY FROM MAIN STEAM LINE TO DRAIN POT JUST AHEAD OF TURBINE.
 - WHERE GV NUMBERS ARE SHOWN, THE VALVES ARE TAGGED WITH THESE NUMBERS. WHERE GV NUMBERS ARE NOT SHOWN, THE VALVES ARE TAGGED WITH MPL NO.
 - INSTRUMENT LINE VALVING MUST COMPLY WITH INSTRUMENT PIPING STANDARDS, REF. 9.
 - ANY ADDITIONAL HIGH POINT VENTS AND LOW POINT DRAINS TO BE ADDED BY FIELD AS REQUIRED.
 - LOCATE VALVE F029 (ZONE) AS CLOSE AS POSSIBLE TO PUMP SUCTION LINE FROM CONDENSATE STORAGE.
 - REQUIRED TOTAL RESERVE STORAGE FOR RCIC SYSTEM AND HPCI SYSTEM, 100,000 GALLONS. THIS AMOUNT OF STORAGE SHALL BE CAPABLE OF BEING ISOLATED FROM SERVING OTHER SYSTEMS.
 - "A-C" POWER FOR RCIC INSTRUMENTS SHALL BE DERIVED FROM A "D-C" SOURCE SEPARATE FROM THAT WHICH SUPPLIES THE HPCI SYSTEM, VIA THE UNINTERRUPTIBLE "A-C" OR COMPARABLE "D-C" TO "A-C" CONVERSION SYSTEM.
 - FOR INTERLOCKING REQUIREMENTS AND AUTO VALVE ACTUATION SEE FUNCTIONAL CONTROL DIAGRAM, REF. 2.
 - PIPING SHOWN IN PHANTOM LEADING TO TURBINE COO2 TO BE ARRANGED AND SUPPLIED BY TURBINE VENDOR.
 - THE BAROMETRIC CONDENSER AND VACUUM TANK SHALL BE LOCATED SUCH THAT IT'S WATER LEVEL IS BELOW THE BOTTOM OF THE TURBINE EXHAUST FLANGE.
 - VALVE AO-F003 SHALL BE LOCATED A MAXIMUM OF SIX FEET FROM THE NOZZLE OF THE TORUS, WITH ADEQUATE CLEARANCES FOR OPERATION OF THE VALVE AND VALVE OPERATOR.
 - FOR LOCATION AND IDENTIFICATION OF INSTRUMENTS SEE INSTRUMENT DATA SHEET LISTED IN MPL FOR EACH INSTRUMENT.
 - FLUSHING CONNECTIONS SHALL BE PROVIDED IN ACCORDANCE WITH MPL ITEM NO. 2A61-4020 SEC 9. TEMPORARY STRAINER SCREENS SHALL BE PROVIDED ON THE SUCTION SIDE OF ALL PUMPS IN ACCORDANCE WITH MPL ITEM NO. 2A61-4020 SEC 9.
 - VALVES ON THIS DWG ARE NUMBERED F001 THRU F0020 FOR DRAIN VALVES FV001 THRU FV020 FOR VENT VALVES.
 - THIS VALVE IS TO BE INSTALLED AFTER COMPLETION OF START-UP.
 - DESIGN EXCEPTION TO PIPING CLASS MDC; SCH. 160 PIPE TO BE USED IN PLACE OF SCH. 80 PIPE.

REFERENCES

	MPL NO.	SSI NO.
1. NUCLEAR BOILER SYS P&ID	SHT 1 2B21-1010	H-26000
	SHT 2 2B21-1010	H-26001
2. NUCLEAR BOILER SYS FCD	SHT 1 2E11-1030	S-25154
	SHT 2 2E11-1030	H-26014
3. RHR SYS P&ID	SHT 1 2E41-1010	H-26015
	SHT 2 2E41-1010	H-26020
4. HPCI SYS P&ID	SHT 1 2E41-1010	H-26020
	SHT 2 2E41-1010	H-26021
5. RCIC SYS FCD	2E51-1030	
6. NUCLEAR BOILER LEAK DETECTION SYSTEM	2A61-4040	S-25280
7. REACTOR WATER CLEAN-UP SYS P&ID	SHT 1 2G31-1010	H-26036
	SHT 2 2G31-1010	H-26037
8. PIPING & INSTRUMENT SYMBOLS	A42-1010	
9. PROCESS INSTRUMENT PIPING AND TUBING INSTALLATION SPEC.	2A61-4070	S-25323
10. PLANT REQUIREMENTS	2A61-4020	S-25706
11. TURBINE CONTROL DWG.	2E51-C002	S-25238
12. PRESSURE INTEGRITY OF PIPING AND EQUIPMENT PRESSURE PARTS	2A61-4030	S-25112
13. TURBINE OUTLINE	2E51-C002	S-25221
14. HIGH PRESSURE COOLING INJECTION SYSTEM FCD	2E41-1030	
15. RCIC SYS DESIGN SPEC	2E51-4010	
16. RCIC SYS PD	2E51-1020	S-25171
17. MSR & HEATER VENTS AND SHELL DRAINS P&ID SH-2.	2N22-1010	H-21024
18. AUXILIARY STEAM P&ID	2P61-1010	H-26063
19. PRIMARY CONTAINMENT PURGE INERTING SYSTEM P&ID	2T48-1020	H-26084
20. ANNUNCIATOR SIGNALS TO TCS, I.E.D.	2X75-1010	H-26159
21. CLASS IIE ANALOG SIGNAL CONVERSION/ ISOLATION SYSTEM I.E.D.	2X75-1010	H-26284
22. DIGITAL INPUT SIGNALS TO THE ERF COMPUTER SYS. SHT. 5 OF 15	2X75-1010	H-26167
23. DIGITAL INPUT SIGNALS TO THE ERF COMPUTER SYS. SHT. 6 OF 15	2X75-1010	H-26175
24. REACTOR BLDG. FLOOR, EQUIPMENT & ROOF DRAINAGE SYSTEM DIAGRAM	2T45-1010	H-26075
25. RCIC SYS. DISCHARGE TO FEEDWATER & TEST LINE TO CONDENSATE STORAGE TANK		H-26845
C.C.I. - DRAG VALVE - 4 X 4, GLOBE		S-61276
900 ANSI - R.C.I.C. VALVE		

LICENSE RENEWAL DOCUMENT

MPL NO. 2E51-1010 ACAD14 HL26023

SOUTHERN COMPANY

LICENSE RENEWAL SCREENING FOR INFORMATION ONLY

EDWIN I. HATCH NUCLEAR PLANT UNIT No.2
 RCIC SYSTEM
 P&ID SHEET 1

Revision: A Date: 1-7-2000
 APPROVED, ISSUED PER LICENSE RENEWAL BOUNDARY PACKAGES. DRAWING CREATED FROM H-26023, REV.26; BY TRM.

DATE	BY	SCALE	LOCATION	DOCUMENT NUMBER	REVISION
	TRM	None	10-502	HL-26023	A