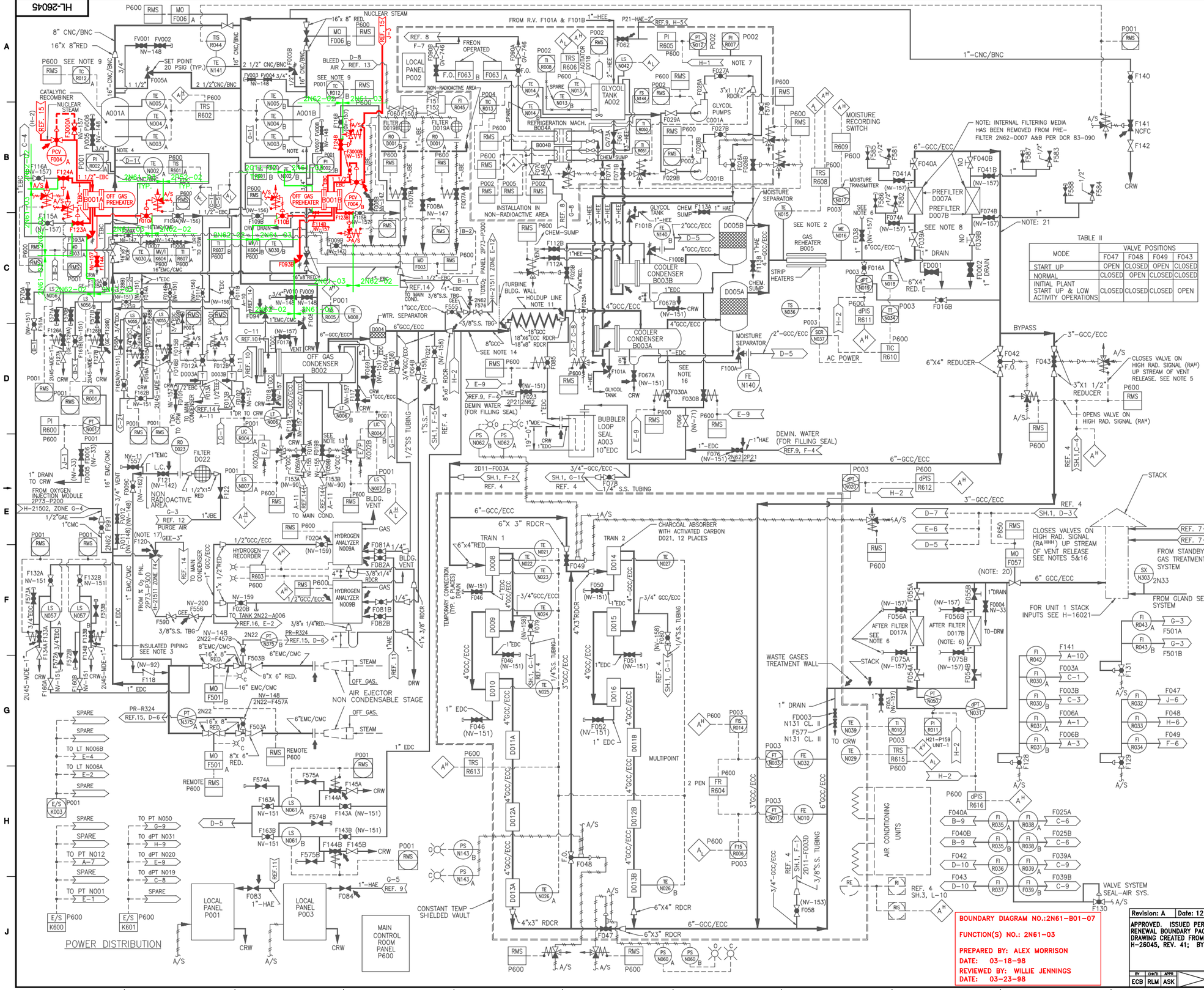
HL-26045



NOTES:

1. ALL EQUIPMENT & INSTRUMENTS ARE PREFIXED BY SYSTEM NO. 2N62 UNLESS OTHERWISE NOTED.
2. GAS REHEATER AND PREFILTERS TO BE LOCATED CLOSE TO CHARCOAL ADSORBERS.
3. INSULATED PIPING FROM STEAM JET AIR EJECTORS UP TO OFF GAS CONDENSER AND FROM COOLER CONDENSER TO CHARCOAL VAULT.
4. PIPE FROM AIR EJECTOR TO BE SLOPED SO CONDENSATE CAN BE DRAINED AND NOT ENTER CATALYTIC RECOMBINER.
5. AFTER VALVE CLOSES IT SHALL REMAIN CLOSED UNTIL RESET BY MANUAL SWITCH.
6. SMOKE INJECTION EQUIP. OF STANDBY GAS TREATMENT SYS. TO BE USED FOR FILTER TESTING. (USE HANSEN COUPLINGS.)
7. INSULATE ALL GLYCOL TRANSFER LINES.
8. SLOPE LINES AWAY FROM FILTER INLET.
9. BOTH CATALYTIC RECOMBINERS ARE TO BE WRAPPED WITH ELECTRICAL RESISTOR CABLE (UNDER INSULATION) TO MAINTAIN A SPARE UNIT AT 350°F DURING NORMAL OPERATION.
10. THOSE LINES WITH TWO PRESSURE-TEMPERATURE INTEGRITY CLASSIFICATIONS SHALL CONFORM TO THE LOWER CLASSIFICATION IN STRAIGHT PIPE RUNS AND SHALL CONFORM TO THE HIGHER CLASSIFICATION AT ALL STRAIGHT RUN ENDS. A STRAIGHT RUN END INCLUDES BENDS, VALVES AND ANY DISCONTINUITY REDUCING THE DIAMETER 5% OR MORE. THE END SHALL INCLUDE THE LAST TEN FEET OF LINE TO SUCH END OR DISCONTINUITY.
11. THE HOLD-UP LINE SHALL BE SIZED TO PRODUCE TURBULENT FLOW UNDER THE NORMAL OPERATING CONDITIONS LISTED IN THE PROCESS DATA. (PIPE SIZE: 18" O.D., MINIMUM LENGTH=780'-0").
12. ALL VENTS, DRAINS & INSTRUMENT LINES ARE 1" UNLESS OTHERWISE SPECIFIED.
13. THESE VALVES TO BE LOCATED PHYSICALLY CLOSE TO THE MAIN CONDENSER TO MINIMIZE THE EFFECT OF FLASHING.
14. DELETED
15. OPERATED VALVES ARE SHOWN IN THEIR POSITION FOR NORMAL OPERATION, AS OPPOSED TO "SHELF" OR "FAILED" POSITION. ALL VALVES ARE FAIL CLOSE UNLESS OTHERWISE INDICATED.
16. PUMPS SHALL HAVE RUNNING LIGHTS AND OPERATED VALVES SHALL HAVE POSITION INDICATING LIGHTS LOCATED WITH THE RMS.
17. RELIEF VALVE ON LINE # L-1 UPSTREAM OF VALVE F003 RELIEVING TO MAIN CONDENSER.
18. FOR ALL SUPPORT SYSTEMS (SERVICE WATER, DEMIN WATER, CRW, DRW SUMPS, ETC.) SEE OFF GAS WASTE GAS TREATMENT BUILDING SUPPORT SYS. P&ID H-26043
19. ANY ADDITIONAL HIGH POINT VENTS AND LOW POINT DRAINS TO BE ADDED BY FIELD AS REQUIRED.
20. EQUIPMENT REFERENCING THIS NOTE SHALL BE PROVIDED WITH EMERGENCY A.C. POWER.
21. CARBON STEEL PIPE EMBEDDED IN CONCRETE TO BE SAND BLASTED AND COATED WITH ONE COAT OF RED OXIDE PRIMER 2-4 MILS DFT.
22. VALVES ON THIS DWG. ARE NUMBERED FD001 THRU FD020 FOR DRAIN VALVES FV001 THRU FV020 FOR VENT VALVES

TABLE II

MODE	VALVE POSITIONS			
	F047	F048	F049	F043
START UP	OPEN	CLOSED	OPEN	CLOSED
NORMAL	CLOSED	OPEN	CLOSED	CLOSED
INITIAL PLANT START UP & LOW ACTIVITY OPERATIONS	CLOSED	CLOSED	CLOSED	OPEN

REFERENCES:

		MPL. NO.	SSI. NO.
1.	OFF GAS SYS. DESIGN SPEC.	2N62-4010	S-25406
2.	PIPING & INSTRUMENT SYMBOLS	A42-1010	S-15051
3.	OFF GAS SYS. PROCESS DATA	2N62-1020	S-25252
4.	PROCESS RADIATION MONITORING SYS. I.E.D.	2D11-1010 SHT-1	H-26011
		SHT-2	H-26012
		SHT-3	H-26013
5.	OFF GAS SYS. FCD	2N62-1030 SHT-1	S-25333
		SHT-2	S-25334
6.	MAIN STEAM P&ID	2N11-1010	H-21012
7.	STANDBY GAS TREATMENT SYSTEM P&ID	2T46-1010	H-26078
8.	WASTE GAS TREATMENT BLDG. SUPPORT SYSTEMS P&ID	2N62-1015	H-26043
9.	" "	N62-1015	H-16540
10.	TURBINE BLDG. F.W. SYSTEM	2N21-1010	H-21037
11.	DEMIN. WATER SYSTEM	2P51-1010	H-26047
12.	T. BLDG. SERVICE AIR SYSTEM	2P51-1010	H-21029
13.	T. BLDG. INSTRUMENT AIR	2P52-1010	H-21077
14.	MSR HTR. VENTS & SHELL DRAINS	2N22-1010	H-21024
15.	SJAE SYSTEM P&ID	2N22-1010	H-21056
16.	T.B. COND. VACUUM & GLAND SEAL SYSTEM	2N33-1010	H-21030

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(LVN-FV012)
(LVN-FD008) MPL. NO. 2N62-1010

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FUNCTION(S) NO.: 2N61-03
PREPARED BY: ALEX MORRISON
DATE: 03-18-98
REVIEWED BY: WILLIE JENNINGS
DATE: 03-23-98

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SOUTHERN COMPANY

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EDWIN I. HATCH NUCLEAR PLANT UNIT No. 2
OFF GAS SYSTEM
P&ID

BY	CHK'D	APPR.	DRAWN	DESIGNED	LOCATION	DOCUMENT NUMBER	REVISION
ECB	RLM	ASK	ECB	LCF	10-502	HL-26045	A
			DATE	SCALE None			