



TABLE II

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

- 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 "SHUT" 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, DRAINAGE 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 F0001 THRU F0020 FOR DRAIN VALVES FV001 THRU FV020 FOR VENT VALVES

- REFERENCES:
- | REF. | DESCRIPTION | MPL. NO. | SSL. 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 SH-T-1 MONITORING SYS. I.E.D. SH-T-1 SH-T-2 | 2D11-1010 | H-26011 H-26012 H-26013 S-25333 S-25334 |
| 5. | OFF GAS SYS. FCD | 2N62-1030 | H-26014 |
| 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. | TURBINE BLDG. F.W. SYSTEM | N62-1015 | H-16540 |
| 10. | DEM. WATER SYSTEM | 2N21-1010 | H-21037 |
| 11. | DEM. 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

MPL. NO. 2N62-1010 ACAD14 HL26045

SOUTHERN COMPANY

LICENSE RENEWAL SCREENING FOR INFORMATION ONLY

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

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