

**FEED GAS**

**NORMAL CASE - OPERATING RANGES**

Pressure: 20 TO 110 PSIG

Temp: 70 TO 140°F

Flow: 30 TO 50 SCFH H<sub>2</sub>

Temp: 14.7 PSIA

H<sub>2</sub>: 0 TO 9 VOL. % GRY BASIS

N<sub>2</sub>: 0 TO 25 VOL. % GRY BASIS

H<sub>2</sub>O: SATURATED

He: 0 TO 50 VOL. % GRY BASIS

Ar: 0 TO 25 VOL. % GRY BASIS

CO<sub>2</sub>: 0 TO 15 PPM GRY BASIS

Trace: 0 TO 22 VOL. % GRY BASIS

**EFFLUENT GAS**

**NORMAL CASE - OPERATING RANGES**

Pressure: 0 TO 20 PSIG

Temp: 140 TO 180°F

Flow: 30 TO 50 SCFH H<sub>2</sub>

Temp: 14.7 PSIA

H<sub>2</sub>: 0 TO 3 VOL. % GRY BASIS

N<sub>2</sub>: 0 TO 25 VOL. % GRY BASIS

H<sub>2</sub>O: SATURATED

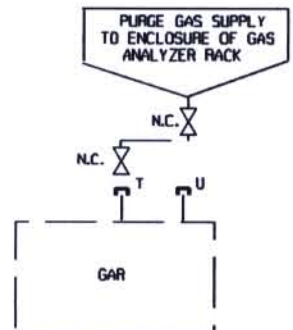
He: 0 TO 10 VOL. % GRY BASIS

Ar: 0 TO 25 VOL. % GRY BASIS

CO<sub>2</sub>: 0 TO 15 PPM GRY BASIS

Trace: 0 TO 22 VOL. % GRY BASIS

- NOTES:**
- AI RESPONSIBILITY AREA BY OTHERS
  - BI VALVE LEAK OFF
  - CP CONTROL PANEL
  - DI GAR GAS ANALYZER RACK



D-145

DRAWING LEGIBILITY CLASS 1					
PLEX Drawing TR00160-006					
SOUTH CAROLINA ELECTRIC & GAS COMPANY					
VIRGIL C. SUMNER NUCLEAR STATION					
PIPING SYSTEM FLOW DIAGRAM					
CATALYTIC HYDROGEN					
DESIGNER: A					
CHECKED: MGR					
APPROVED: MGR					
DATE: 11/19/83					
BY: MGR					
NO. DATE BY REVISION					
3	11/19/83	JTS	REVISED PER CGSS-98-0434	MGR	GAR
2	11/19/83	JTS	REVISED PER ECR-50054	DDJ	TLW
1	11/19/83	JTS	REVISED PER CGSS-95-1188	MGR	TLW
0	11/19/83	JTS	ISSUED PER MRF-21862	MGR	TLW
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