

SECTION 300B

D. Miscellaneous Equipment

Deaerator - DH-301

Fluid - Boiler Feedwater

	<u>Normal Maximum</u>	<u>Operating Minimum</u>	<u>Startup</u>
Flow lbs/hr	250,721	185,595	0 to 262,471
Temperature °F	228	228	4 to 228
Pressure, Psig	5	5	0 to 5
CO ₂ , ppm	0	0	0
O ₂ ML/L	0.005	0.005	0.005
Methane, ppm	0	0	
Vented Stm. Flow lbs/hr	500	500	500
Vessel Design (Min.)	30 Psig @350°F		
Retention Time @Max. Flow	20 Minutes		

SECTION 300B

D. Miscellaneous Equipment

Deaerator (continued)

Process Data

<u>Influents</u>	<u>Normal Operating</u>	<u>Startup</u>
	<u>Maximum</u>	<u>Minimum</u>
a. Steam Condensate		
Flow, lbs/hr	10,200	3,600
Temperature °F	240	240
Pressure, psig @deaerator	Vendor to advise min. accept.	
b. Makeup, Treated Water from Demin.		
Flow, lbs/hr	147,300	113,300
Temperature °F	106 to 161	126 to 185
Pressure (same as above)		
c. Heating and Stripping Steam (Saturated)		
Flow, lbs/hr	17,721	11,495
Temperature °F	308	308
Pressure, Psig (upstream of PIC)	50	50
d. Process Condensate Cooled Hot Methane Gas and Steam at 300 Psig		
Flow	76,200	57,700
Temperature °F	240	240
CO ₂ ppm	830 to 1000	830 to 1000
Methane, ppm	600 to 750	600 to 750
Pressure (same as item "a")		
e. Hydrazine will be added to storage compartment of the deaerator.		