FORM 155.17-F1 (1295)

# YORK® ParaFlow™ Inspection Report

FOR USE ON INSPECTION CONTRACT VISITS

Project Name: DuPont Experimental Station ID # ABS#4

Address:

Model No. YPC-ST-2264CXA Serial No: GNCM94230017 YORK Order: Hrs. of Operation: 18,530 Hrs / 551 Starts

By: Kevin Fraze Date: 7/16/08 Time: 19:30 PM

MACHINE OPERATING CODE: Chilling ☑ Heating ☐

% LOAD 72% 14,000 lbs/Hr

TYPE OF VISIT:

| | Every Service Visit | Change/Over (Twice/yr.) | Performed As Required |
|---|---|---|---|

SERVICES PERFORMED

| | | | |
|---|---|---|---|
| 1. Operational check of all controls | | | ☑ |
| 2. Check refrigerant concentration | | ☐ | |
| 3. Refrigerant blowdown | | | ☑ |
| 4. Refrigerant added _____ gals. | | ☐ | |
| 5. Refrigerant removed _____ gals. | | ☐ | |
| 6. Check solution level | | | ☑ |
| 7. Solution added _____ gals. | | ☐ | |
| 8. Solution removed _____ gals. | | ☐ | |
| 9. Solution sample taken ☐ Yes ☑ No | | ☐ | |
| 10. Octyl alcohol added _____ gals. | | ☐ | |
| 11. Inhibitor / hydroxide added _____ type _____ lbs. | | ☐ | |
| 12. Perform air leakage test and indicate length of time (hrs.) Abso. _____ cc/min. Purge Tank _____ cc/min. _____ hrs. | | | ☐ |
| 13. Check torque on carbon-type rupture disk flange | | | ☐ |
| 14. Check unit level (once /yr.) ☐ | | | |
| 15. Steam units: | | | |
| a. Inspect needle and control valves | | ☑ | |
| b. Take condensate sample | | ☐ | |
| 16. Heat Recovery units: | | | |
| a. Check control damper operation | | ☐ | |
| b. Check bypass damper operation | | ☐ | |
| 17. Direct Fired units: | | | |
| a. Inspect Burner / Components | | | ☐ |
| b. Stack Temperature _____ °F _____ % $O_2$ _____ % $CO_2$ | | | ☐ |

| | | |
|---|---|---|
| Chilled Water | Inlet Temp (°F) | 52.8 |
| | Outlet Temp (°F) | 42.7 |
| | ΔP (psi) 3000 GPM | 22 |
| Condenser Water | Inlet Temp (°F) | 74.3 |
| | Outlet Temp (°F) | 84.0 |
| | ΔP (psi) 5750 GPM | 20 |
| High Temp Generator | Solution In Temp (°F) 62 Δt | 230 |
| | Solution Out Temp (°F) | 292 |
| | Pressure (mm HG) | 320 |
| | Concentration (%) (Optional) | |
| Low Temp Generator | Solution In Temp (°F) 27 Δt | 141 |
| | Solution Out Temp (°F) | 168 |
| | Refrigerant Out Temp (°F) | 165 |
| | Concentration (%) (Optional) | |
| Absorber | Solution Out Temp (°F) | 90.0 |
| ABS $H_2O$ Out = 80°F | Sol. Concentration (%) (Required) 6.25 mm Hg A | 56% |
| Weak / Strong | Abs. Spray Temp (°F) | 92/108 |
| Condenser | Refrigerant Out Temp (°F) | 87 |
| Evaporator | Refrigerant Temp (°F) | 40.0 |
| 150°F Cond | Steam Inlet Press. (PSIG) | 80 |
| Steam Models | Condensate Press. (PSIG) | 15 |
| Heat Rec. Models | Gas Ent. Temp (°F) | |
| | Gas Lvg. Temp (°F) | |
| Purge Counters (if applicable) | Auto Lifetime | 1854 |
| | Auto 7 Day | 0 |
| | Manual Lifetime | 0 |
| | Manual 7 Day | 108 |

Sketch Area:

Rebuilt Condensate Regulator w/ EPDM elastomers, Cleaned and Rebuilt ASCO Condensate Solenoid Valve.

Remarks / Recommendations:

Purge Tank: 42.4 mm Hg A
Absorber Subcooling: 0°F
Heat Input = 1245 Tons
Heat Balance = 4.7%
C.O.P. = 1.01

Chiller Tons: 1,262.5
Condensor Tons: 2,396
Lbs/Hr/Ton: 11.09

Chiller Approach: 2.7
Condensor Approach: 3.0
Absorber Approach: 10°F

Customer Signature:

| | EVAPORATOR | REFRIGERANT TANK | ABSORBER | HIGH TEMPERATURE GENERATOR | LOW TEMPERATURE GENERATOR |
|---|---|---|---|---|---|
| LIQUID LEVEL | OMT | ● ● ● | ● Tank ○○○ Main Shell | ● | O↓↓ |

If unit has additional sight glasses, sketch in and indicate liquid level.

WHITE - District/Factory Service CANARY - District/Factory Service PINK - Customer/District Office GOLDENROD - Service Technician