FORM 155.17-F1 (1295)

YORK® ParaFlow™ Inspection Report

FOR USE ON INSPECTION CONTRACT VISITS

Project Name: DuPont Experimental Station ID # ABS#1

Address:

Model No. YPCST22G46CXA Serial No: GLCM157836 YORK Order: Hrs. of Operation: 18,354/515 starts

By: Kevin Fraze Date: 7/15/08 Time: 8:30 AM PM

MACHINE OPERATING CODE: Chilling ☑ Heating ☐

% LOAD 75%/11,300 LBS/HR TYPE OF VISIT:

Chilled Water	Inlet Temp (°F)	52.4
	Outlet Temp (°F)	42.5
	ΔP (psi) 3020GPM	23
Condenser Water	Inlet Temp (°F)	74.2
	Outlet Temp (°F)	85.2
	ΔP (psi) 6000GPM	18
High Temp Generator	Solution In Temp (°F) 50Δt	240
	Solution Out Temp (°F)	290
	Pressure (mm HG)	323
	Concentration (%) (Optional)	65.6
Low Temp Generator	Solution In Temp (°F) 19Δt	148
	Solution Out Temp (°F)	167
	Refrigerant Out Temp (°F)	169
	Concentration (%) (Optional)	
Absorber	Solution Out Temp (°F)	87
ABS H2O out=80.5	Sol. Concentration (%) (Required) 5.25mm HgA	54.5
	Abs. Spray Temp (°F)	106
Condenser	Refrigerant Out Temp (°F)	88
Evaporator	Refrigerant Temp (°F)	40.0
Cond Temp 153°F Steam Models	Stm. Inlet Press. (PSIG)	98
	Condensate Press. (PSIG)	16
Heat Rec. Models	Gas Ent. Temp (°F)	
	Gas Lvg. Temp (°F)	
Purge Counters (if applicable)	Auto Lifetime	1876
	Auto 7 Day	9
	Manual Lifetime	98
	Manual 7 Day	0

SERVICES PERFORMED

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

Sketch Area:

Rebuild Condensate Regulator with EPDM elastomers, Cleaned Asco Condensate Solenoid Valve.

Remarks / Recommendations:

Purge Tank: 52.2 mm HgA Chiller Tons: 1,246 Chiller Approach: 2.5°F

Absorber Subcooling: 0°F Condensor Tons: 2,750 Condensor Approach: 2.8°F

Heat Input = 1010 Tons LBS/HR/Ton: 9.07 Absorber Approach: [redacted] 6.5°F

Heat Balance = [redacted] 18%

C.O.P. = 1.23 * Heat balance is High, May have inaccurate sensors.

Customer Signature:

	EVAPORATOR	REFRIGERANT TANK	ABSORBER	HIGH TEMPERATURE GENERATOR	LOW TEMPERATURE GENERATOR
LIQUID LEVEL	○ No Spill	● ● ●	● Tank ○ ○ ○ Main Shell	◐	◐

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