FORM 155.17-F1 (1295)

YORK® ParaFlow™ Inspection Report

FOR USE ON INSPECTION CONTRACT VISITS

Project Name: DuPont Experimental Station ID # Chiller #2

Address:

Model No. YPC-ST-ZZG46CXA Serial No: GBDM248980 YORK Order: Hrs. of Operation: 20,436 Hrs / 482 starts

By: KEVIN FRAZIE Date: 7/16/08 Time: 19:00 AM PM

MACHINE OPERATING CODE: Chilling ☑ Heating ☐

% LOAD 63 / 14,800 LBS/HR TYPE OF VISIT:

Chilled Water	Inlet Temp (°F)	53.0
	Outlet Temp (°F)	41.5
	ΔP (psi) 3000 GPM	22
Condenser Water	Inlet Temp (°F)	75
	Outlet Temp (°F)	85
	ΔP (psi) 5960 GPM	18
High Temp Generator	Solution In Temp (°F) 54Δt	240
	Solution Out Temp (°F)	294
	Pressure (mm HG)	378
	Concentration (%) (Optional)	66%
Low Temp Generator	Solution In Temp (°F) 16Δt	155
	Solution Out Temp (°F)	171
	Refrigerant Out Temp (°F)	170
	Concentration (%) (Optional)	
Absorber	Solution Out Temp (°F)	87
ABS H_2O Out = 80°F weak / strong	Sol. Concentration (%) (Required) 57.5 mm Hg A	57.8
	Abs. Spray Temp (°F)	92/110
Condenser	Refrigerant Out Temp (°F)	87.6
Evaporator	Refrigerant Temp (°F)	38.6
Steam Models	Stm. Inlet Press. (PSIG)	80
	Condensate Press. (PSIG)	13
Heat Rec. Models	Gas Ent. Temp (°F)	
	Gas Lvg. Temp (°F)	
Purge Counters (if applicable)	Auto Lifetime	1748
	Auto 7 Day	22
	Manual Lifetime	25
	Manual 7 Day	123

COND TEMP = 65°F

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 30 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 590 type [redacted] 1.1 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:

Repaired air Leaks on VP7, VS17, and Refrig Tank Sight Glass. Evacuated, added inhibitor, and started up. Purging should subside over time. Replaced Steam Condensate Regulator.

Remarks / Recommendations:

Purge Tank: 30.5 mm Hg A Chiller Tons: 1,438 Chiller Approach: 2.9°F

Absorber Subcooling: 7°F Condensor Tons: 2,483 Condensor Approach: 2.6°F

Heat Input = 1,300 Tons Lbs/Hr/Ton: 10.3 Absorber Approach: 7.0°F

Heat Balance = [redacted] 10%

C.O.P = 1.106 *Heat Balance is High, May have inaccurate sensors.

Customer Signature:

	EVAPORATOR	REFRIGERANT TANK	ABSORBER	HIGH TEMPERATURE GENERATOR	LOW TEMPERATURE GENERATOR
LIQUID LEVEL	Out	● ● ●	● Tank ○○○ Main Shell	●	Low

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