



# ParaFlow™ Inspection Report

FOR USE ON INSPECTION CONTRACT VISITS

Project Name: DuPont Experimental Station ID # ABS#2

Address: \_\_\_\_\_

Model No. YPCST2264CLXA Serial No: G6DM248980 YORK Order: \_\_\_\_\_ Hrs. of Operation: 20,619 hrs / 497 days

By: KEVIN FRAZE Date: 8/28/08 Time: AM 12:53 PM

MACHINE OPERATING CODE:

Chilling   
Heating

% LOAD 64

TYPE OF VISIT:

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

14,100 lbs/hr

SERVICES PERFORMED

Chilled Water	Inlet Temp (°F)	<u>8.5 ΔT</u>	<u>52.0</u>
	Outlet Temp (°F)		<u>43.5</u>
	ΔP (psi)	<u>GPM</u>	<u>3000</u>
Condenser Water	Inlet Temp (°F)	<u>9.0 ΔT</u>	<u>69.5</u>
	Outlet Temp (°F) / Absolut		<u>78.5 / 75</u>
	ΔP (psi)	<u>GPM</u>	<u>6020</u>
High Temp Generator	Solution In Temp (°F)	<u>51 ΔT</u>	<u>231</u>
	Solution Out Temp (°F)		<u>282</u>
	Pressure (mm HG)		<u>287</u>
	Concentration (%) (Optional)		<u>65.7</u>
Low Temp Generator	Solution In Temp (°F)	<u>23 ΔT</u>	<u>135</u>
	Solution Out Temp (°F)		<u>158</u>
	Refrigerant Out Temp (°F)		<u>152</u>
	Concentration (%) (Optional)		
Absorber	Solution Out Temp (°F)		<u>78</u>
	Sol. Concentration (%) (Required)		<u>54.7</u>
	Abs. Spray Temp (°F)		<u>80 / 98</u>
Condenser	Refrigerant Out Temp (°F)		<u>82</u>
Evaporator	Refrigerant Temp (°F)		<u>37.3</u>
Steam Models	Str. Inlet Press. (PSIG)		<u>90</u>
	Condensate Press. (PSIG)		<u>18</u>
Heat Rec. Models	Gas Ent. Temp (°F)		
	Gas Lvg. Temp (°F)		
Purge Counters (if applicable)	Auto Lifetime		<u>1764</u>
	Auto 7 Day		<u>3</u>
	Manual Lifetime		<u>127</u>
	Manual 7 Day		<u>0</u>

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<sub>2</sub> \_\_\_\_\_ % CO<sub>2</sub>

Sketch Area:

ADJUSTED STEAM FLOW @ 100% CAPACITY.

Remarks / Recommendations:

PURGE TANK: 48.1 mmHg A CHILLER TONS: 1,063 CHILLER APPROACH: 6.2°F  
ABSORBER SUBCOOLING: 9°F CONDENSOR TONS: 2,258 CONDENSOR APPROACH: 3.5°F  
LBS/HR/TON: 13.26 ABSORBER APPROACH: 3.0°F

Customer Signature: \_\_\_\_\_

	EVAPORATOR	REFRIGERANT TANK	ABSORBER	HIGH TEMPERATURE GENERATOR	LOW TEMPERATURE GENERATOR
LIQUID LEVEL	<u>0 MT</u>				

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