



# ParaFlow™ Inspection Report

FOR USE ON INSPECTION CONTRACT VISITS

Project Name: DuPont Experimental Station ID # ABS #3  
 Address: \_\_\_\_\_  
 Model No. YPCST22GLXA Serial No: GA0M233620 YORK Order: \_\_\_\_\_ Hrs. of Operation: 20,768 hrs / 493 starts  
 By: KEVIN FRAZE Date: 7/17/08 Time: AM 1:32 PM

MACHINE OPERATING CODE: Chilling  Heating  % LOAD 98% TYPE OF VISIT: Every Service Visit  
14,700 lbs/hr Change/Over (Twice/yr.)  
 Performed As Required

Chilled Water	Inlet Temp (°F)	52.7
	Outlet Temp (°F)	43.8
	ΔP (psi) <u>2800GPM</u>	14
Condenser Water	Inlet Temp (°F)	81.1
	Outlet Temp (°F) <u>ABS-89</u>	92.2
	ΔP (psi) <u>5900GPM</u>	21
High Temp Generator	Solution In Temp (°F) <u>504T</u>	265
	Solution Out Temp (°F)	315
	Pressure (mm HG)	522
	Concentration (%) (Optional)	64.8
Low Temp Generator	Solution In Temp (°F) <u>284T</u>	160
	Solution Out Temp (°F)	188
	Refrigerant Out Temp (°F)	180
	Concentration (%) (Optional)	
Absorber	Solution Out Temp (°F)	93.5
	Sol. Concentration (%) (Required) <u>5.75 mmHgA</u>	58.6
<u>Weak/Strong</u> Condenser	Abs. Spray Temp (°F)	<u>109/120</u>
Condenser	Refrigerant Out Temp (°F)	94.8
Evaporator	Refrigerant Temp (°F)	40.1
<u>63°F</u> Steam Models	Strm. Inlet Press. (PSIG)	105
	Condensate Press. (PSIG)	20
Heat Rec. Models	Gas Ent. Temp (°F)	
	Gas Lvg. Temp (°F)	
Purge Counters (if applicable)	Auto Lifetime	1750
	Auto 7 Day	0
	Manual Lifetime	110
	Manual 7 Day	0

- SERVICES PERFORMED**
- Operational check of all controls
  - Check refrigerant concentration
  - Refrigerant blowdown
  - Refrigerant added \_\_\_\_\_ gals.
  - Refrigerant removed \_\_\_\_\_ gals.
  - Check solution level
  - Solution added \_\_\_\_\_ gals.
  - Solution removed \_\_\_\_\_ gals.
  - Solution sample taken  Yes  No
  - Octyl alcohol added \_\_\_\_\_ gals.
  - Inhibitor / hydroxide added 590 type 0.846 lbs.
  - Perform air leakage test and indicate length of time (hrs.)  
 Abso. \_\_\_\_\_ cc/min. Purge Tank \_\_\_\_\_ cc/min. \_\_\_\_\_ hrs.
  - Check torque on carbon-type rupture disk flange
  - Check unit level \_\_\_\_\_ (once /yr.)
  - Steam units:
    - Inspect needle and control valves
    - Take condensate sample
  - Heat Recovery units:
    - Check control damper operation
    - Check bypass damper operation
  - Direct Fired units:
    - Inspect Burner / Components
    - Stack Temperature \_\_\_\_\_ °F \_\_\_\_\_ % O<sub>2</sub> \_\_\_\_\_ % CO<sub>2</sub>

Sketch Area:  
Rebuild Condensate Regulator with EPDM elastomers. Cleaned and Rebuild Asco Condensate Solenoid Valve. Added inhibitor.

Remarks / Recommendations:  
PURGE TANK: 54.3 mmHgA CHILLER TONS: 1,038 CHILLER APPROACH: \_\_\_\_\_  
ABSORBER SUBCOOLING: 7°F CONDENSATOR TONS: 2,729 CONDENSATOR APPROACH: \_\_\_\_\_  
HEAT INPUT: 1294 TONS LBS/HR/TON: 14.16 ABSORBER APPROACH: 4.5  
HEAT BALANCE: ~~14.5%~~ 14.5%  
C.O.P.: 0.802 \*Heat Balance is High. May have inaccurate sensor.

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

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

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