



# YPC™ Inspection Report

FOR USE ON INSPECTION CONTRACT VISITS

Project Name: DuPont Experimental Station ID # ABS#2  
 Address: \_\_\_\_\_  
 Model No. YPC5T22G46CXA Serial No. 6BDM248980 YORK Order: \_\_\_\_\_ Hrs. of Operation: 18647  
 By: Kevin Frazee Date: 7/18/07 Time: AM 1:00 PM

MACHINE OPERATING CODE: Chilling  Heating  % LOAD 68% 14,000lb/hr TYPE OF VISIT:  Every Service Visit  Change/Over (Twice/yr.)  Performed As Required

Chilled Water	Inlet Temp (°F)	<u>9.1°F ΔT</u>	<u>52.8</u>
	Outlet Temp (°F)		<u>43.7</u>
	ΔP (psi)	<u>121-96</u>	<u>25</u>
Condenser Water	Inlet Temp (°F)	<u>10.3°F ΔT</u>	<u>82.4</u>
	Outlet Temp (°F)		<u>92.7</u>
	ΔP (psi)	<u>39-37</u>	<u>2</u>
High Temp Generator	Solution In Temp (°F)		<u>267</u>
	Solution Out Temp (°F)		<u>304</u>
	Pressure (mm HG)		<u>461</u>
	Concentration (%) (Optional)		<u>65.5</u>
Low Temp Generator	Solution In Temp (°F)		<u>160</u>
	Solution Out Temp (°F)		<u>180</u>
	Refrigerant Out Temp (°F)		<u>178</u>
	Concentration (%) (Optional)		
Absorber	Solution Out Temp (°F)		<u>95.5</u>
	Sol. Concentration (%) (Required)		<u>57.8</u>
Abs. Spray Temp (°F)			<u>100/121</u>
Condenser	Refrigerant Out Temp (°F)		<u>96</u>
Evaporator	Refrigerant Temp (°F)		<u>40.6</u>
Steam Models	Strm. Inlet Press. (PSIG)		<u>93</u>
	Condensate Press. (PSIG)		<u>14</u>
Heat Rec. Models	Gas Ent. Temp (°F)		
	Gas Lvg. Temp (°F)		
Purge Counters (if applicable)	Auto Lifetime		<u>1577</u>
	Auto 7 Day		<u>1</u>
	Manual Lifetime		<u>157</u>
	Manual 7 Day		<u>0</u>

- 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 Adva-591 type 2.56 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:

Remarks / Recommendations:  
Purge Tank - 54.3 mm Hg A Chiller Tons - 1,138 Chiller Approach - 3.1°F  
Absorber Subcooling - 2°F Condensator Tons - 2,446 Condensate Approach - 3.3°F  
Lbs/Hr/Ton - 12.3 Absorber Approach - 5°  
Solution Level is running low, causing slight over concentration and Bel rig spill.  
 Customer Signature: \_\_\_\_\_

	EVAPORATOR	REFRIGERANT TANK	ABSORBER	HIGH TEMPERATURE GENERATOR	LOW TEMPERATURE GENERATOR
LIQUID LEVEL	<u>Spill Over</u>	<u>Full</u>	<u>Tank 3/4</u> <u>Main Shell</u>		

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