



# YPC™ Inspection Report

FOR USE ON INSPECTION CONTRACT VISITS

Project Name: Du Pont Experimental Station ID # ABS#3

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

Model No. YPC5T22G46CXA Serial No: GADM23360 YORK Order: \_\_\_\_\_ Hrs. of Operation: 20347/472skts

By: Kevin Frazee Date: 9/24/07 Time: 10:00 AM PM

MACHINE OPERATING CODE: Chilling  Heating

% LOAD 52% / 9,800 lbs/hr

TYPE OF VISIT: 

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

Chilled Water	Inlet Temp (°F)	<u>6.2°F ΔT 49.9</u>
	Outlet Temp (°F)	<u>43.7</u>
	ΔP (psi)	<u>GPM 3000</u>
Condenser Water	Inlet Temp (°F)	<u>6.6°F ΔT 76.8</u>
	Outlet Temp (°F)	<u>ABS-83 83.4</u>
	ΔP (psi)	<u>GPM 5700</u>
High Temp Generator	Solution In Temp (°F)	<u>228</u>
	Solution Out Temp (°F)	<u>262</u>
	Pressure (mm HG)	<u>264</u>
	Concentration (%) (Optional)	<u>64%</u>
Low Temp Generator	Solution In Temp (°F)	<u>135</u>
	Solution Out Temp (°F)	<u>157</u>
	Refrigerant Out Temp (°F)	<u>153</u>
	Concentration (%) (Optional)	<u>58%</u>
Absorber 7 in H.G.	Solution Out Temp (°F)	<u>86</u>
	Sol. Concentration (%) (Required)	<u>56.3</u>
	Abs. Spray Temp (°F) <u>Weak/Strong</u>	<u>89/111</u>
Condenser	Refrigerant Out Temp (°F)	<u>86</u>
Evaporator	Refrigerant Temp (°F)	<u>41.5</u>
Steam Models	Strm. Inlet Press. (PSIG)	<u>35</u>
	Condensate Press. (PSIG)	<u>13</u>
Heat Rec. Models	Gas Ent. Temp (°F)	
	Gas Lvg. Temp (°F)	
Purge Counters (if applicable)	Auto Lifetime	<u>1724</u>
	Auto 7 Day	<u>0</u>
	Manual Lifetime	<u>104</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 \_\_\_\_\_ type \_\_\_\_\_ 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: Pump Amperages @ 460V  
Weak - 6.5 A  
Strong - 6.3 A  
Main - 17.6 A  
Refrig - 5.7 A

Remarks / Recommendations:

Purge Tank - 55.3 HgA      Chiller Temp - 775      Chiller Approach: 2.2°F  
Absorber Subcooling - 12°F      Condenser Temp - 1568      Condenser Approach: 2.6°F  
20hrs/Purge since 7/15/07      Lbs/Hr/Ton - 12.6      Absorber Approach: 3°F  
\* Needs new Absolute Pressure Gauge.  
Chiller operation is normal at this time

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

	EVAPORATOR	REFRIGERANT TANK	ABSORBER	HIGH TEMPERATURE GENERATOR	LOW TEMPERATURE GENERATOR
LIQUID LEVEL	○	○ ○ ●	● ● ○ ○ ○	●	○

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