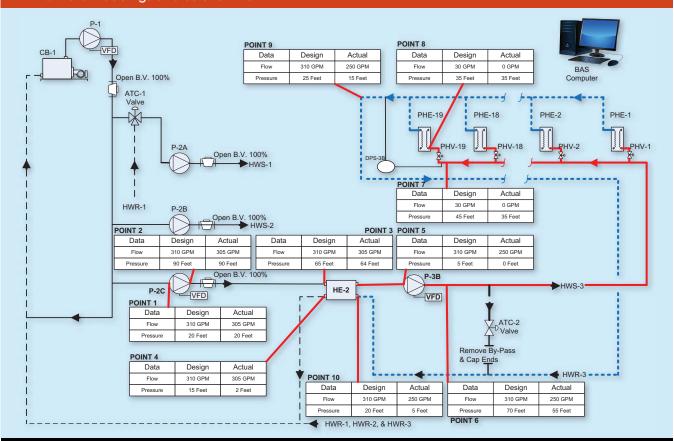
## **Energy Retro-Cx**



MONTH 2- The Energy Conservation Opportunity: Process Heating for an Industrial Building Application - Air & Water Readings and Solution Plan



Measurement Point	Criteria	On-Maximum Cooling		<b>5</b>
		Design	Actual	Remarks
1	Flow	310 GPM	305 GPM	A. OK per design (+/- 5%).     B. Temperature reading is adequate. No action needed.     C. GPM and/or pressure reading is not correct. Issue work order to review (e.g., dirty strainer).
At Secondary Process Pump	Pressure	20 Ft	20 Ft	
P-2C Inlet	Temperature	190 F	190 F	
2	Flow	310 GPM	305 GPM	A. OK per design (+/- 5%).     B. Temperature reading is adequate. No action needed.     C. GPM and/or pressure reading is not correct. Issue work order to review (e.g., dirty strainer).
At Secondary Process Pump P-2C	Pressure	90 Ft	90 Ft	
Discharge	Temperature	190 F	190 F	
3	Flow	310 GPM	305 GPM	A. OK per design.     B. Temperature reading is adequate. No action needed.     C. GPM and/or pressure reading is not correct. Issue work order to review (e.g., dirty strainer).
At Heat Exchanger HE-2 Hot	Pressure	65 Ft	64 Ft	
Water Supply Inlet	Temperature	190 F	190 F	
4	Flow	310 GPM	305 GPM	A. OK per design.     B. Temperature reading is adequate. No action needed.     C. GPM and/or pressure reading is not correct. Issue work order to review (e.g., dirty strainer).
At Heat Exchanger HE-2 Hot	Pressure	15 Ft	2 Ft	
Water Return Outlet	Temperature	150 F	160	
5	Flow	310 GPM	250 GPM	A. OK per design.     B. Temperature reading is adequate. No action needed.     C. GPM and/or pressure reading is not correct. Issue work order to review (e.g., dirly strainer).
At Tertiary Process Pump P-3B	Pressure	5 Ft	0 Ft	
Inlet	Temperature	190 F	190 F	
6	Flow	310 GPM	250 GPM	A. OK per design.     B. Temperature reading is adequate. No action needed.     C. GPM and/or pressure reading is not correct. Issue work order to review (e.g., dirly strainer).
At Tertiary Process Pump P-3B	Pressure	70 Ft	55 Ft	
Discharge	Temperature	190 F	190 F	
<b>7</b> At Process Heat Exchanger PHE- 19 Valve Inlet	Flow Pressure Temperature	30 GPM 45 Ft 190 F	0 GPM 35 Ft 190 F	A. OK per design (ATC valve closed).     B. Temperature reading is adequate. No action needed.     C. GPM and/or pressure reading is not correct. Issue work order to review (e.g., dirty strainer).
<b>8</b> At Process Heat Exchanger PHE-19 Inlet	Flow Pressure Temperature	30 GPM 35 Ft 190 F	0 GPM 35 Ft 120 F	A. OK per design (ATC valve closed).     B. Temperature reading is adequate. No action needed.     C. GPM and/or pressure reading is not correct. Issue work order to review (e.g., dirly strainer).
9	Flow	310 GPM	250 GPM	A. OK per design.     B. Temperature reading is adequate. No action needed.     C. GPM and/or pressure reading is not correct. Issue work order to review (e.g., dirty heat exchanger).
At Process Heating Hot Water	Pressure	25 Ft	15 Ft	
Return	Temperature	190 F	140 F	
10	Flow	310 GPM	250 GPM	A. OK per design.     B. Temperature reading is adequate. No action needed.     C. GPM and/or pressure reading is not correct. Issue work order to review (e.g., dirty heat exchanger).
At Process Heat Exchanger HE-2	Pressure	20 Ft	5 Ft	
Hot Water Return Inlet	Temperature	150 F	140 F	

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