ABSORPTION AIR CONDITIONING AND REFRIGERATION LOG

ADDITIONAL LOG(S) REQUEST TO: Engineering Department, The Hartford Steam Boiler, One State Street, Hartford, CT 06102-3001.
Please specify which log and how many copies per log.

MANUFACTURER	LOCATION	NUMBER	SIZE

DATE OR TIME	AIR TEMPERATURE		MACHINE'S ABSOLUTE PRESSURE	WATER TEMPERATURE						GENERATOR	CAPACITY CONTROL VALVE POSITION	SOLUTION LEVEL IN ABSORBER	PURGE UNIT OPER.	SOLUTION ANALYSIS	MACHINE CHEMICAL ADDED INTERNALLY			INITIALS OF WATCH OR SHIFT ENGINEER
	Outside	Air Conditioned Space		Chilled		Absorber		Condenser		Water Temperature or Steam Pressure			Time	Date	Type	Amount	Date	
				In	Out	In	Out	In	Out									

PERFORM THE FOLLOWING TESTS ANNUALLY

TUBES

DATE CLEANED

DATE EDDY CURRENT TESTED

Operating and Safety Control Tests

LOW REFRIGERANT TEMPERATURE

SETTING	CONDITION

DATE TESTED AND INITIALS

LOW CHILLED WATER TEMPERATURE

SETTING	CONDITION

DATE TESTED AND INITIALS

FLOW SWITCHES

	CONDITION
Chilled Water	
Condenser Water	

DATE TESTED AND INITIALS

IMPORTANT INSTRUCTIONS:

For reliable and uninterrupted service the following maintenance items should be given attention as indicated.

TUBES:

1. The water side surfaces should be cleaned **annually.**
2. Eddy current analysis should be performed on condenser tubes within 3 to 5 years of service, and on evaporator tubes within 5 to 7 years of service. The detection of any wear, corrosion, or deterioration of tubes will determine when subsequent testing of the tubes should be performed.

LITHIUM BROMIDE SOLUTION:

An analysis should be made twice a year by a testing laboratory that is thoroughly familiar with the chemistry of the solution in the machine.

CONTROLS:

All safety and operating controls should be tested **annually**, calibrated to design conditions and their set points recorded. Defective safety devices and controls should be replaced.

CANNED MOTOR PUMP UNIT:

Overhaul units after **3 years** of normal service. Examine, clean or replace seals, bearings, cooling and seal water passages. Other parts such as pump impeller, motor stator and rotor should be examined for defects and proper repairs or replacement made.

Use reverse side for remarks concerning: Service Company/Name and telephone number, Date of service call, Work performed, Date and time machine shutdown on safety control or solidification.