

## Equipment Tasking

<b>Chiller, Water Cooled, Absorption (Two-Stage Steam), &gt;1199 Tons</b>	
<b><i>Comprehensive</i></b>	
	All work must be performed in accordance with Johnson Controls safety policies
	Check with appropriate customer representative for operational deficiencies
	Review control panel for proper operation and recorded fault histories
	Check overall condition of unit
	Check system pressures and temperatures
	Measure concentration levels from the absorber, first stage generator and second stage generator
	Take solution sample and send to lab for analysis
	Check for proper level in site glass(es)
	Check evaporator pan overflow (if applicable)
	Replace vacuum pump oil
	Check accuracy of manometer or absolute pressure gauge
	Check purge pump belt (if applicable)
	Check for presence of non-condensables (ie bubble rate)
	Purge machine (as required)
	Check for proper operation of steam valve
	Perform low voltage lock-out and tag-out procedure
	Check and tighten electrical connections
	Check accuracy of thermistors/low refrig temp cut-out and add heat conductive compound as needed
	Inspect starter contacts for signs of wear
	Perform preventative procedures to flow proving devices
	Record and log all operating parameters
	Remove and dispose any debris from any maintenance activity
	Document tasks performed during visit and report any observations to appropriate customer representative
<b><i>Operational</i></b>	
	All work must be performed in accordance with Johnson Controls safety policies
	Check with appropriate customer representative for operational deficiencies
	Review control panel for proper operation and recorded fault histories
	Check overall condition of unit
	Check system pressures and temperatures

	Measure concentration levels from the absorber, first stage generator and second stage generator
	Check for proper level in site glass(es)
	Check evaporator pan overflow (if applicable)
	Perform a refrigerant blow-down
	Check quality and level of vacuum pump oil
	Check vacuum pump capability
	Purge machine (as required)
	Check for proper operation of steam valve
	Check for proper condenser and chilled water flow
	Check accuracy of manometer or absolute pressure gauge
	Check for presence of non-condensables (ie bubble rate)
	Record and log all operating parameters
	Document tasks performed during visit and report any observations to appropriate customer representative
<b><i>Additional Lithium Bromide Sample and Analysis</i></b>	
	All work must be performed in accordance with Johnson Controls safety policies
	Check with appropriate customer representative for operational deficiencies
	Remove sample in approved container
	Drop off for analysis
	Label and complete paperwork indicating present operating conditions
	Document tasks performed during visit and report any observations to appropriate customer representative
<b><i>Seasonal Start-up</i></b>	
	All work must be performed in accordance with Johnson Controls safety policies
	Check with appropriate customer representative to coordinate the startup of the system
	Remove shutdown tag from unit
	Verify chilled, absorber/condenser and generator water/steam valves are in proper operating position
	Check for proper condenser and chilled water flow
	Check quality and level of vacuum pump oil
	Check accuracy of manometer or absolute pressure gauge
	Check vacuum pump capability
	Check for presence of non-condensables (ie bubble rate)
	Purge machine (as required)
	Start the chiller

	Perform a refrigerant blow-down
	Check overall condition of unit
	Review control panel for proper operation and recorded fault histories
	Check system pressures and temperatures
	Measure concentration levels from the absorber, first stage generator and second stage generator
	Check for proper level in site glass(es)
	Check evaporator pan overflow (if applicable)
	Check for proper operation of steam valve
	Record and log all operating parameters
	Document tasks performed during visit and report any observations to appropriate customer representative