



Hazards	
Tools/Equipment	
Employee Group(s)	Facilities Management – Mechanical & Electrical

Required PPE:



Safety Shoes



Ear Protection



Eye Protection



Gloves

SAFE WORK PRACTICES

- Do not perform the procedure or operate the equipment until you have been appropriately trained and authorized to do so by your supervisor.
- Inspect required personal protective equipment (PPE) and replace if required.

PROCEDURES

1. Ensure power supply breakers for pumps and compressors are open. Inspect entire unit and compressor for proper valve alignment, no loose belts, etc. Also ensure that the chilled water pump and condenser pump shafts will turn.
2. Check cooling tower for proper oil level and no obvious defects – broken “honeycombs” in tower or piping.
3. Close breaker on cutler hammer panel and breakers for chilled water and condenser pumps.
4. Contact Energy & Utilities supervisor (2342) to ensure compressor is configured to start (Siemens system).
5. Select chilled water pump (#5) and condenser pump (#6) to “Auto” and verify both pumps are operating properly – no excess noise or vibrations.
6. Select cooling tower fan variable speed drive to “Hand” on AC tech panel. Proceed outside to fan and check for proper operation – no excess noise or vibration, no water leaks
7. If fan is operating properly, select variable speed drive to “Auto”.
8. At trane control panel, select “Auto” push button. If building is at temperature where cooling is required, compressor will start to countdown and then will start.
9. Verify compressor is working properly – no excess noise or vibration, discharge pressure is between 70-100 psi.

NOTE: All PPE, tools and equipment shall be used in accordance with provincial OH&S legislation, manufacturer’s specifications, applicable standards and codes of practice.