

**CERTIFICATION OF WORK**  
(To be completed by the Contractor and saved in the Contractor's CMMS)

FACID/Building: MD 002

Date of Visit: 5/21/2020

Contractor Personnel on Site:

1. Brian Davis

4. \_\_\_\_\_

2. \_\_\_\_\_

5. \_\_\_\_\_

3. \_\_\_\_\_

6. \_\_\_\_\_

**Service Calls - Service Call Number and Description**

1. Chiller Startup and PM

2. \_\_\_\_\_

3. \_\_\_\_\_

WO# 12103 CSS# \_\_\_\_\_

**CERTIFICATION OF WORK**

To be signed by the Contractor:

Print Name: Brian Davis

Date: 5/21/2020

Signed: Brian Davis

To be signed by Facility Manager:

By signing the Certification of Work, the said government representative signature does not constitute acceptance of any work performed by the contractor, it only acknowledges that the contractor was on-site during the identified timeline:

Print Name/Rank: \_\_\_\_\_

Date: 21 May 2020

Signed: Maurice L Allen

E-Mail: maurice.l.allen.civ@mail.mil

# PREVENTATIVE MAINTENANCE PROGRAM CHECKLIST

## AIR COOLED CHILLER, PACKAGE UNIT

SITE AND BLDG #: MD-002

MECHANIC  
SIGNATURE: [Signature]

DATE: 5/21/2020

LOCATION/RM #:

WO# 12103

ASSET # 1814

START TIME: 8<sup>00</sup> AM

FINISH TIME: 1<sup>00</sup> PM

| CHECK<br>POINT                                    | CHECKPOINT DESCRIPTION                                                                                                                                                   | TASK COMPLETE |    | NOTES/ ACTIONS<br>(IF TASK COMPLETE IS CHECKED NO, PROVIDE EXPLANATION) |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----|-------------------------------------------------------------------------|
|                                                   |                                                                                                                                                                          | YES           | NO |                                                                         |
| <b>SPECIAL INSTRUCTIONS</b>                       |                                                                                                                                                                          |               |    |                                                                         |
| 1                                                 | Follow lock out/tag out procedures at all times. De-energize or discharge all hydraulic, electrical, mechanical, or thermal energy prior to beginning work.              | ✓             |    |                                                                         |
| 2                                                 | No intentional venting of refrigerants is permitted. During the servicing, maintenance, and repair of refrigeration equipment, the refrigerant must be recovered.        |               | ✓  |                                                                         |
| 3                                                 | Whenever refrigerant is added or removed from equipment, record the quantities on the appropriate forms. Forms to be maintained by technician in universal waste binder. |               | ✓  |                                                                         |
| 4                                                 | Recover, recycle, or reclaim the refrigerant as appropriate.                                                                                                             |               | ✓  |                                                                         |
| 5                                                 | If disposal of the equipment item is required, follow regulations concerning removal of refrigerants and disposal of the item.                                           |               | ✓  |                                                                         |
| 6                                                 | If materials containing refrigerants are discarded, comply with EPA regulations as applicable.                                                                           |               | ✓  |                                                                         |
| 7                                                 | Refrigerant oils to be treated as hazardous waste.                                                                                                                       |               | ✓  |                                                                         |
| 8                                                 | Closely follow all safety procedures described in the Safety Data Sheet (SDS) for the refrigerant and all labels on refrigerant containers.                              | ✓             |    |                                                                         |
| 9                                                 | Remove access covers prior to accomplishing check points.                                                                                                                | ✓             |    |                                                                         |
| <b>TO BE PERFORMED AT EACH INSPECTION SERVICE</b> |                                                                                                                                                                          |               |    |                                                                         |
| <b>CONDENSER</b>                                  |                                                                                                                                                                          |               |    |                                                                         |
| 1                                                 | Remove debris from air screen and clean underneath unit.                                                                                                                 | ✓             |    |                                                                         |
| 2                                                 | Pressure wash coil with proper cleaning solution.                                                                                                                        | ✓             |    |                                                                         |
| 3                                                 | Straighten fin tubes with fin comb.                                                                                                                                      | ✓             |    |                                                                         |
| 4                                                 | Check electrical wiring and tighten loose connections. Check fused disconnect switches for condition and operation, contactors                                           | /             |    |                                                                         |
| 5                                                 | Check mounting for tightness.                                                                                                                                            | /             |    |                                                                         |
| 6                                                 | Check for corrosion. Clean and treat with inhibitor as needed.                                                                                                           | /             |    |                                                                         |
| 7                                                 | Check fan or blower for bent or damaged blades and imbalance.                                                                                                            | /             |    |                                                                         |

| CHECK POINT   | CHECKPOINT DESCRIPTION                                                                                                                                                       | TASK COMPLETE |    | NOTES/ ACTIONS<br>(IF TASK COMPLETE IS CHECKED NO, PROVIDE EXPLANATION) |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----|-------------------------------------------------------------------------|
|               |                                                                                                                                                                              | YES           | NO |                                                                         |
| 8             | Lubricate shaft and motor bearings on fans and remove old or excess lubricant, if applicable.                                                                                | ✓             |    |                                                                         |
| 9             | Inspect pulleys, belts, couplings, etc.; adjust tension and tighten mountings as necessary. Change badly worn belts. Multi-belt drives should be replaced with matched sets. | ✓             |    |                                                                         |
| EVAPORATOR    |                                                                                                                                                                              |               |    |                                                                         |
| 1             | Inspect evaporator for any obvious deficiencies.                                                                                                                             | ✓             |    |                                                                         |
| 2             | Inspect plumbing, valves and flanges for leaks and correct as needed.                                                                                                        | ✓             |    |                                                                         |
| COMPRESSOR(S) |                                                                                                                                                                              |               |    |                                                                         |
| 1             | Lubricate drive coupling, if applicable.                                                                                                                                     |               | ✓  |                                                                         |
| 2             | Lubricate motor bearings (non-hermetic), if applicable.                                                                                                                      |               | ✓  |                                                                         |
| 3             | Check bearings for vibrations or unusual noises.                                                                                                                             | ✓             |    |                                                                         |
| 4             | Leak test unit with soap test or electronic device.                                                                                                                          | ✓             |    |                                                                         |
| 5             | Check compressor oil level, if applicable.                                                                                                                                   | ✓             |    |                                                                         |
| 6             | Run machine; check action of controls, relays, switches, etc. to see that:<br>a. Compressor(s) run at proper settings.<br>b. Suction and discharge pressures are proper.     | ✓             |    | Cir #1 S 55 -D 182 Low<br>Cir #2 S 72 -D 243 Good.                      |
| 7             | Check vibration eliminators. Replace as necessary.                                                                                                                           | ✓             |    |                                                                         |
| 8             | Document AMP draw on compressors                                                                                                                                             | ✓             |    | L1 35 L2 35 L3 34                                                       |
| 9             | Check safety controls for high pressure cut off.                                                                                                                             | ✓             |    | L1 27 L2 28 L3 27                                                       |
| CONTROLS      |                                                                                                                                                                              |               |    |                                                                         |
| 1             | Record chilled water supply and return temps and Humidity .                                                                                                                  |               |    |                                                                         |

Note: The technician shall perform any repairs identified during PM up to \$250 (direct labor and direct material cost) per PM occurrence. For any deficiencies found exceeding \$250 open a corrective maintenance (CM) ticket and include the Asset #, WO #, photos, and a detailed discription of the deficiency.

To be performed by: HVAC Technician

**Additional Notes:**

