

PREVENTATIVE MAINTENANCE PROGRAM CHECKLIST **DDC CONTROLLER -HVAC Control Panel**

SITE AND BLDG #: Pa053-G1

MECHANIC SIGNATURE: 

DATE: 9-16-19

LOCATION/RM #: boiler WO# 16881 ASSET # 5347

START TIME: 8:40

FINISH TIME: 8:50

CHECK POINT	CHECKPOINT DESCRIPTION	TASK COMPLETE		NOTES/ ACTIONS (IF TASK COMPLETE IS CHECKED NO, PROVIDE EXPLANATION)
		YES	NO	
1	In addition to the procedure(s) outlined in this standard, the equipment manufacturer's recommended maintenance procedure(s) and/or instruction(s) shall be strictly adhered to.	<input checked="" type="checkbox"/>		
2	Read and understand the manufacturer's instructions before making any adjustments or calibrations.	<input checked="" type="checkbox"/>		
3	Follow lock out/tag out procedures at all times. De-energize or discharge all hydraulic, electrical, mechanical, or thermal energy prior to beginning work.	<input checked="" type="checkbox"/>		
TO BE PERFORMED AT EACH INSPECTION SERVICE				
1	Obtain username and password for login. If not available, contact appropriate company manager to obtain access.		<input checked="" type="checkbox"/>	no computer access
2	Login into system, check for any alarms currently on system. Make necessary repairs to correct alarms back to normal state.		<input checked="" type="checkbox"/>	no computer access
3	Check physical condition of the device. Shut off power to the unit. Vacuum any remaining dust. Turn power back on to the unit.	<input checked="" type="checkbox"/>		
4	Check electrical power connections including incoming line voltage.	<input checked="" type="checkbox"/>		
5	Check all fuses for evidence of heating or weakening.	<input checked="" type="checkbox"/>		
6	Check inputs and outputs on DDC/PLC check input and output wiring connections for tightness very carefully.	<input checked="" type="checkbox"/>		
7	If applicable, check relays for burnt contact points.	<input checked="" type="checkbox"/>		
8	Check all point labels are correct and up to date, if applicable.	<input checked="" type="checkbox"/>		
9	Check all plug connections in the panel to ensure the plugs are fully seated.	<input checked="" type="checkbox"/>		

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 description of the deficiency.

PREVENTATIVE MAINTENANCE PROGRAM CHECKLIST **DDC CONTROLLER -HVAC Control Panel**

SITE AND BLDG #: Pa053-01MECHANIC
SIGNATURE: DATE: 9-16-19LOCATION/RM #: Be11e1 WO# 10881 ASSET # 5347START TIME: 8:50FINISH TIME: 9

CHECK POINT	CHECKPOINT DESCRIPTION	TASK COMPLETE		NOTES/ ACTIONS (IF TASK COMPLETE IS CHECKED NO, PROVIDE EXPLANATION)
		YES	NO	
1	In addition to the procedure(s) outlined in this standard, the equipment manufacturer's recommended maintenance procedure(s) and/or instruction(s) shall be strictly adhered to.	<input checked="" type="checkbox"/>		
2	Read and understand the manufacturer's instructions before making any adjustments or calibrations.	<input checked="" type="checkbox"/>		
3	Follow lock out/tag out procedures at all times. De-energize or discharge all hydraulic, electrical, mechanical, or thermal energy prior to beginning work.	<input checked="" type="checkbox"/>		
TO BE PERFORMED AT EACH INSPECTION SERVICE				
1	Obtain username and password for login. If not available, contact appropriate company manager to obtain access.		<input checked="" type="checkbox"/>	<u>no computer access</u>
2	Login into system, check for any alarms currently on system. Make necessary repairs to correct alarms back to normal state.		<input checked="" type="checkbox"/>	<u>no computer access</u>
3	Check physical condition of the device. Shut off power to the unit. Vacuum any remaining dust. Turn power back on to the unit.	<input checked="" type="checkbox"/>		
4	Check electrical power connections including incoming line voltage.	<input checked="" type="checkbox"/>		
5	Check all fuses for evidence of heating or weakening.	<input checked="" type="checkbox"/>		
6	Check inputs and outputs on DDC/PLC check input and output wiring connections for tightness very carefully.	<input checked="" type="checkbox"/>		
7	If applicable, check relays for burnt contact points.	<input checked="" type="checkbox"/>		
8	Check all point labels are correct and up to date, if applicable.	<input checked="" type="checkbox"/>		
9	Check all plug connections in the panel to ensure the plugs are fully seated.	<input checked="" type="checkbox"/>		

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 description of the deficiency.

PREVENTATIVE MAINTENANCE PROGRAM CHECKLIST **DDC CONTROLLER -HVAC Control Panel**

SITE AND BLDG #: Pa053-01

MECHANIC
SIGNATURE: 

DATE: 9-16-19

LOCATION/RM #: boiler WO# 10881 ASSET # 5347

START TIME: 9

FINISH TIME: 9:10

CHECK POINT	CHECKPOINT DESCRIPTION	TASK COMPLETE		NOTES/ ACTIONS (IF TASK COMPLETE IS CHECKED NO, PROVIDE EXPLANATION)
		YES	NO	
1	In addition to the procedure(s) outlined in this standard, the equipment manufacturer's recommended maintenance procedure(s) and/or instruction(s) shall be strictly adhered to.	<input checked="" type="checkbox"/>		
2	Read and understand the manufacturer's instructions before making any adjustments or calibrations.	<input checked="" type="checkbox"/>		
3	Follow lock out/tag out procedures at all times. De-energize or discharge all hydraulic, electrical, mechanical, or thermal energy prior to beginning work.	<input checked="" type="checkbox"/>		
TO BE PERFORMED AT EACH INSPECTION SERVICE				
1	Obtain username and password for login. If not available, contact appropriate company manager to obtain access.		<input checked="" type="checkbox"/>	no computer access
2	Login into system, check for any alarms currently on system. Make necessary repairs to correct alarms back to normal state.		<input checked="" type="checkbox"/>	no computer access
3	Check physical condition of the device. Shut off power to the unit. Vacuum any remaining dust. Turn power back on to the unit.	<input checked="" type="checkbox"/>		
4	Check electrical power connections including incoming line voltage.	<input checked="" type="checkbox"/>		
5	Check all fuses for evidence of heating or weakening.	<input checked="" type="checkbox"/>		
6	Check inputs and outputs on DDC/PLC check input and output wiring connections for tightness very carefully.	<input checked="" type="checkbox"/>		
7	If applicable, check relays for burnt contact points.	<input checked="" type="checkbox"/>		
8	Check all point labels are correct and up to date, if applicable.	<input checked="" type="checkbox"/>		
9	Check all plug connections in the panel to ensure the plugs are fully seated.	<input checked="" type="checkbox"/>		

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 description of the deficiency.

PREVENTATIVE MAINTENANCE PROGRAM CHECKLIST **OUTDOOR CONDENSING UNIT**

SITE AND BLDG #: 9A053MECHANIC
SIGNATURE: SKDATE: 9/16/19LOCATION/RM #: Roof WO# 10881 ASSET # 5242START TIME: 9:15 FINISH TIME: 9:30

CHECK POINT	CHECKPOINT DESCRIPTION	TASK COMPLETE		NOTES/ ACTIONS (IF TASK COMPLETE IS CHECKED NO, PROVIDE EXPLANATION)
		YES	NO	
1	In addition to the procedure(s) outlined in this standard, the equipment manufacturer's recommended maintenance procedure(s) and/or instruction(s) shall be strictly adhered to.	✓		
2	Schedule outage of unit with personnel in area the unit serves.	✓		
3	Follow lock out/tag out procedures at all times. De-energize or discharge all hydraulic, electrical, mechanical, or thermal energy prior to beginning work.	✓		
4	If disposal of the equipment is required, follow regulations concerning removal of refrigerants and disposal of the unit.	NA		
TO BE PERFORMED AT EACH INSPECTION SERVICE				
1	Remove debris from air screen and clean underneath unit.	✓		
2	Wash coil with coil cleaning solution - Rinse Thoroughly	✓		
3	Straighten fin tubes with fin comb, as needed.	✓		
4	Check electrical connections for tightness.	✓		
5	Check mounting base for tightness.	✓		
6	Inspect fans for bent blades, unbalance, excessive noise and vibrations.	✓		
7	Inspect all piping for leaks and tighten loose connections.	✓		
8	Check wires at condenser electrical fused safety switches for tightness and burned insulation. Repair as necessary.	✓		
9	Check supply air temperature to ensure unit is operating properly. If possible record room temperature.	✓		
10	Inspect unit for overall condition and recommend for replacement or other needed repairs.	✓		
11	Clean up work area.	✓		

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 description of the deficiency.

PREVENTATIVE MAINTENANCE PROGRAM CHECKLIST **OUTDOOR CONDENSING UNIT**

SITE AND BLDG #: PA653MECHANIC
SIGNATURE: SKDATE: 9/16/19LOCATION/RM #: ROOF WO# 10881 ASSET # 5237START TIME: 9FINISH TIME: 9 15

CHECK POINT	CHECKPOINT DESCRIPTION	TASK COMPLETE		NOTES/ ACTIONS (IF TASK COMPLETE IS CHECKED NO, PROVIDE EXPLANATION)
		YES	NO	
1	In addition to the procedure(s) outlined in this standard, the equipment manufacturer's recommended maintenance procedure(s) and/or instruction(s) shall be strictly adhered to.	✓		
2	Schedule outage of unit with personnel in area the unit serves.	✓		
3	Follow lock out/tag out procedures at all times. De-energize or discharge all hydraulic, electrical, mechanical, or thermal energy prior to beginning work.	✓		
4	If disposal of the equipment is required, follow regulations concerning removal of refrigerants and disposal of the unit.		NA	
TO BE PERFORMED AT EACH INSPECTION SERVICE				
1	Remove debris from air screen and clean underneath unit.	✓		
2	Wash coil with coil cleaning solution - Rinse Thoroughly	✓		
3	Straighten fin tubes with fin comb, as needed.	✓		
4	Check electrical connections for tightness.	✓		
5	Check mounting base for tightness.	✓		
6	Inspect fans for bent blades, unbalance, excessive noise and vibrations.	✓		
7	Inspect all piping for leaks and tighten loose connections.	✓		
8	Check wires at condenser electrical fused safety switches for tightness and burned insulation. Repair as necessary.	✓		
9	Check supply air temperature to ensure unit is operating properly. If possible record room temperature.	✓		
10	Inspect unit for overall condition and recommend for replacement or other needed repairs.	✓		
11	Clean up work area.	✓		

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 description of the deficiency.

PREVENTATIVE MAINTENANCE PROGRAM CHECKLIST **AIR COMPRESSOR**

SITE AND BLDG #:

~~9002~~ 9A053MECHANIC
SIGNATURE:

SK

DATE:

9/12/19

LOCATION/RM #: MECH

WO# 10881

ASSET # 5337

START TIME:

8 30

FINISH TIME:

9

CHECK POINT	CHECKPOINT DESCRIPTION	TASK COMPLETE		NOTES/ ACTIONS (IF TASK COMPLETE IS CHECKED NO, PROVIDE EXPLANATION)
		YES	NO	
SPECIAL INSTRUCTIONS				
1	In addition to the procedure(s) outlined in this standard, the equipment manufacturer's recommended maintenance procedure(s) and/or instruction(s) shall be strictly adhered to.	✓		
2	Follow lock out/tag out procedures at all times. De-energize or discharge all hydraulic, electrical, mechanical, or thermal energy prior to beginning work.	✓		
TO BE PERFORMED AT EACH INSPECTION SERVICE				
1	Perform normal tour checks and operations. Perform a visual inspection of the air system, noting any obvious leaks or portions of the air distribution network that may be subject to physical damage.	✓		
2	Change compressor crankcase oil (annually).	✓		oil changed
3	Clean or replace air intake filter, as needed.	✓		cleaned
4	Check air dryer, automatic condensate drains, and air tank for proper operation. Manually blow down condensate tank if needed. Clean condenser coils and cover grills, if applicable.	✓		
5	Inspect oil separators for any sign of oil entering the system.	✓		
6	Inspect belt alignment and condition. Adjust or replace belts as required.	✓		
7	Belts should be replaced in complete sets.	✓		
8	Check for corrosion and scale on water cooled units.	✓		
9	Clean heat exchange surfaces.	✓		
10	Check accuracy of gauges with calibrated test gauge.	✓		
11	On two stage compressor, check intermediate pressure.	✓		
11	Test relief valves, replace if leaking or the relief range is incorrect. Do not readjust safety relief valves in the field.	✓		

CHECK POINT	CHECKPOINT DESCRIPTION	TASK COMPLETE		NOTES/ ACTIONS (IF TASK COMPLETE IS CHECKED NO, PROVIDE EXPLANATION)
		YES	NO	
12	Check cut in and cut out of compressor pressure controller, readjust if necessary for proper air pressure requirements. Do not exceed ASME maximum tank pressure.	✓		
13	Check to make sure belt guard is installed prior to putting air compressor back in service.	✓		
14	Check if air compressor is running excessively or frequently cycling on and off (possible leaks).	✓		

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 description of the deficiency.

To be performed by: General Maintenance Worker

Additional Notes: