

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

FACID Building: MDO21

Date of Visit: 10-18-18

Contractor Personnel on Site:

1. Jim Moltz
2. Pet Donovan
3. Rick Hicks

- 4.
- 5.
- 6.

W/O 5940, 5941, 5942 + 5943

Service Calls – Service Call Number and Description

Winterized chiller, Drained outdoor loop  
energized gzs, zone pumps, circ pump  
and tested boilers - #3 has no display

---

**CERTIFICATION OF WORK**

---

To be signed by the Contractor:

Print Name: James Moltz Date: 10-18-18

Signed: J-F Moltz

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: Oscar Osan Date: 2018-10-18

Signed: [Signature]

E-Mail: Oscar.g.rivas3.CIV@phl.mil

**PREVENTATIVE MAINTENANCE PROGRAM CHECKLIST**  
**BOILER - ELECTRIC, GAS, OIL**

MECHANIC SIGNATURE: *John DeRosa* DATE: *10/18/15*

SITE AND BLDG #: *Rockville MD 20821*      LOCATION/RM #: *Mechanic Room*      WO# *5943*      ASSET # *2097*      START TIME: *11:00*      FINISH TIME: *12:00*

ITEM	DESCRIPTION	STATUS	REMARKS
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"/>	<i>Done</i>
2	Verify that the annual inspections for the boiler have been satisfactorily performed.	<input checked="" type="checkbox"/>	<i>Boiler inspection scheduled for 10/24/15 with Argus</i>
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"/>	<i>Done</i>
4	Wear appropriate respirator, goggles, and gloves while in contact with hazardous materials.	<input checked="" type="checkbox"/>	
5	All automatically and manually operated control devices provided for controlling operation and safety of the vessel, steam or water pressure, hot water temperature, combustion and boiler water level shall be inspected under operating conditions.	<input checked="" type="checkbox"/>	<i>all good</i>
6	All associated valves and piping, pressure and temperature indicating devices, metering and recording devices, and all boiler auxiliaries shall be inspected under operating conditions.	<input checked="" type="checkbox"/>	<i>all good</i>
7	Prepare boiler for internal inspection in the following manner.	<input checked="" type="checkbox"/>	
8	Fuel supply and ignition system shall be locked out.	<input checked="" type="checkbox"/>	<i>Done</i>
9	Water shall be drawn off and water side thoroughly washed out.	<input checked="" type="checkbox"/>	<i>Done</i>
10	Manhole and handhole plates, washout plugs, and inspection plugs in water column connections shall be removed.	<input checked="" type="checkbox"/>	
11	The boiler shall be cooled and thoroughly cleaned.	<input checked="" type="checkbox"/>	
12	All grates of internally fired boilers shall be removed.	<input checked="" type="checkbox"/>	
13	Pressure gage(s) shall be removed and tested.	<input checked="" type="checkbox"/>	<i>Done</i>
14	Any leakage of steam or hot water into the boiler shall be prevented by disconnecting the pipe or valve at the most convenient point.	<input checked="" type="checkbox"/>	<i>No leaks visible</i>
15	Before opening the manhole and entering any part of the boiler, the required steam or water system stop valves must be closed, tagged, and padlocked. All drain valves or cocks located between the two valves shall be opened.	<input checked="" type="checkbox"/>	
	In inspector will not enter boiler until satisfied that necessary safety precautions and pre inspection preparations have been made.	<input checked="" type="checkbox"/>	<i>N/A</i>

16	If a boiler has not been properly prepared for an internal inspection the inspector should decline to make the inspection.	<input checked="" type="checkbox"/>	ready for inspection
17	If materials to be worked on are known or suspected to contain asbestos, check the building's asbestos management plan to see if they have been tested for asbestos. If they are suspect but have not been tested, have them tested. Manage asbestos in accordance with the plan	<input checked="" type="checkbox"/>	N/A
18	Account for all tools, materials, and equipment before closing boiler.	<input checked="" type="checkbox"/>	Done
1	Check boiler room for ventilation in accordance with the American Gas Association (AGA) burner requirements	<input checked="" type="checkbox"/>	closed
2	Check operation of all gas controls and valves including: manual gas shutoff; petal gas regulator; safety shutoff valve (solenoid); automatic gas valve; petal solenoid valve; butterfly gas valve; motor; and linkage to air louver; safety petal solenoid (if used.)	<input checked="" type="checkbox"/>	all good
3	Check flue connections for tight joints and minimum resistance to air flow (combustion chamber, flues, breaching, and chimney are clear before firing.)	<input checked="" type="checkbox"/>	done
4	Draft regulators require slightly negative pressure in the combustion chamber at maximum input	<input checked="" type="checkbox"/>	done
5	On forced draft burners, gas manifold pressure requirements should correspond with modulating (butterfly) valve in full open position and stable at all other firing rates.	<input checked="" type="checkbox"/>	all good
6	Check burner for flashback and tight shutoff of fuel.	<input checked="" type="checkbox"/>	no flashback
7	Check operation of automatic controls and combustion flame safeguards.	<input checked="" type="checkbox"/>	all work good
8	Replace fusible plugs, if applicable.	<input checked="" type="checkbox"/>	fixed
9	Operation and adjustments should conform with manufacturer's instructions	<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 #, WCO #, photos, and a detailed description of the deficiency

To be performed by: HVAC Technician

**Additional Notes:**

- Turned off circulation Pumps
- Shut down & isolated Chiller
- Drained water-side of Chiller outside
- Opened all gas valves to boiler
- opened water valves to boiler
- Went to E.M. S. and switched System from Summer to winter
- Confirmed all auto valves are in correct position
- Turned on pumps / switched panel on backwall from summer to winter
- Energized all 3 condensing boilers & pumps (need to replace screen on #3 boiler)
- #1 + #2 boiler in operating position waiting to be inspected
- #4 boiler connected needs to be turned out or changeover in system