

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

SITE AND BLDG #: NY 58

MECHANIC
SIGNATURE: [Signature]

DATE: 8/16/22

LOCATION/RM #: OMS

START TIME: 11:30 am

FINISH TIME: 1:30 am

Site Location	WO #	Asset #	PM #	Manufacturer	Model Number	Serial #	Asset Description	Asset Location
		10169		Slant Fin	TR-70 W U		Boiler	mechanical room

ITEM NO.	DESCRIPTION	COMPLETION DATE		REMARKS
		DATE	TIME	
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	Verify that the annual inspections for the boiler have been satisfactorily performed.	✓		
3	Follow lock out/tag out procedures always. De-energize or discharge all hydraulic, electrical, mechanical, or thermal energy prior to beginning work. Wear appropriate respirator, goggles, and gloves while in contact with hazardous materials.	✓		
4	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.	✓		
5	All associated valves and piping, pressure and temperature indicating devices, metering, and recording devices, and all boiler auxiliaries shall be inspected under operating conditions.	✓		
6	Prepare boiler for internal inspection in the following manner:	✓		
7	Fuel supply and ignition system shall be locked out.	✓		
8	Water shall be drawn off and water side thoroughly washed out.	✓		

9	Manhole and handhole plates, washout plugs, and inspection plugs in water column connections shall be removed.	✓	X	NOT applicable
10	The boiler shall be cooled and thoroughly cleaned.	✓		
11	All grates of internally fired boilers shall be removed.	✓		
12	Pressure gages shall be removed and tested.	✓		
13	Any leakage of steam or hot water into the boiler shall be prevented by disconnecting the pipe or valve at the most convenient point.	✓		

CHECK NUMBER	CHECK DESCRIPTION	MARKS COMPLETED		REMARKS
		YES	NO	
14	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.	✓		
15	Inspector will not enter boiler until satisfied that necessary safety precautions and pre-inspection preparations have been made.	✓		
16	If a boiler has not been properly prepared for an internal inspection, the inspector should decline to make the 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	✓		
18	Account for all tools, materials, and equipment before closing boiler.	✓		
CHECK FOR PROPERLY MAINTAINED AND TESTED SAFETY DEVICES				
1	Check boiler room for ventilation in accordance with the American Gas Association (AGA) burner requirements.	✓		grille open & clear
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.)		X	OIL Boiler NOT gas
3	Check flue connections for tight joints and minimum resistance to air flow. (combustion chamber, flues, breaching, and chimney are clear before firing.)	✓		would recommend a better way to remove Breaching for cleaning
4	Draft regulators require slightly negative pressure in the combustion chamber at maximum input.	✓		
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.		X	
6	Check burner for flashback and tight shutoff of fuel.	✓		
7	Check operation of automatic controls and combustion flame safeguards. Clean and adjust, if necessary.	✓		

8	Replace fusible plugs, if applicable.				
9	Operation and adjustments should conform with manufacturer's instructions.	✓			

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: HVAC Technician **Additional Notes:**

PREVENTATIVE MAINTENANCE PROGRAM CHECKLIST
BOILER - ELECTRIC, GAS, OIL

SITE AND BLDG #: NY 58

MECHANIC SIGNATURE: *[Signature]*

DATE: 8/16/22

LOCATION/RM #: OMS

START TIME: 9:30 am

FINISH TIME: 11:30 am

Site Location	WO #	Asset #	PM #	Manufacturer	Model Number	Serial #	Asset Description	Asset Location
		10169		Slant Fin	TR-70 WU	1367720	Boiler	mechanical room

CHECK POINT	CHECKPOINT DESCRIPTION	TASK COMPLETE		NOTES / ACTIONS (IF TASK COMPLETE, CHECKPOINT NOT, PROVIDE REASON WHY)
		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	Verify that the annual inspections for the boiler have been satisfactorily performed.	✓		
3	Follow lock out/tag out procedures always. De-energize or discharge all hydraulic, electrical, mechanical, or thermal energy prior to beginning work. Wear appropriate respirator, goggles, and gloves while in contact with hazardous materials.	✓		
4	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.	✓		
5	All associated valves and piping, pressure and temperature indicating devices, metering, and recording devices, and all boiler auxiliaries shall be inspected under operating conditions.	✓		
6	Prepare boiler for internal inspection in the following manner:	✓		
7	Fuel supply and ignition system shall be locked out.	✓		
8	Water shall be drawn off and water side thoroughly washed out.	✓		

9	Manhole and handhole plates, washout plugs, and inspection plugs in water column connections shall be removed.	✓	X	not applicable
10	The boiler shall be cooled and thoroughly cleaned.	✓		
11	All grates of internally fired boilers shall be removed.	✓		
12	Pressure gages shall be removed and tested.	✓		
13	Any leakage of steam or hot water into the boiler shall be prevented by disconnecting the pipe or valve at the most convenient point.	✓		

CHECK POINT	CHECKPOINT DESCRIPTION	TASK COMPLETE		NOTES/ ACTIONS (If task complete, insert nothing; provide details as needed)
		YES	NO	
14	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.	✓		
15	Inspector will not enter boiler until satisfied that necessary safety precautions and pre-inspection preparations have been made.	✓		
16	If a boiler has not been properly prepared for an internal inspection, the inspector should decline to make the 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	✓		
18	Account for all tools, materials, and equipment before closing boiler.	✓		

TO BE PERFORMED AT EACH INSPECTION SERVICE				
1	Check boiler room for ventilation in accordance with the American Gas Association (AGA) burner requirements.	✓		grille open and clear
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.)		X	Oil system no gas
3	Check flue connections for tight joints and minimum resistance to air flow. (combustion chamber, flues, breaching, and chimney are clear before firing.)	✓		would recommend a Better way To remove Bleaching for cleaning
4	Draft regulators require slightly negative pressure in the combustion chamber at maximum input.	✓		
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.	✓	X	
6	Check burner for flashback and tight shutoff of fuel.	✓		
7	Check operation of automatic controls and combustion flame safeguards. Clean and adjust, if necessary.	✓		

8	Replace fusible plugs, if applicable.		X	
9	Operation and adjustments should conform with manufacturer's instructions.	✓		

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: HVAC Technician **Additional Notes:**

[illegible]

Bob Graham

DATE 8/16/22

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

SITE AND BLDG #: MS 58
LOCATION/RM #: MAIN

MECHANIC SIGNATURE: [Signature]
DATE: 8/17/22
START TIME: 12:30 pm **FINISH TIME:** 1:15 pm

Site Location	WO #	Asset #	PM #	Manufacturer	Model Number	Serial #	Asset Description	Asset Location
		10571		Slant Fin	TR-70 WU	1203298	Boiler	mechanical room

CHECK POINT	CHECK POINT DESCRIPTION	TASK COMPLETION		REMARKS / COMMENTS
		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	Verify that the annual inspections for the boiler have been satisfactorily performed.	✓		
3	Follow lock out/tag out procedures always. De-energize or discharge all hydraulic, electrical, mechanical, or thermal energy prior to beginning work. Wear appropriate respirator, goggles, and gloves while in contact with hazardous materials.	✓		
4	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.	✓		
5	All associated valves and piping, pressure and temperature indicating devices, metering, and recording devices, and all boiler auxiliaries shall be inspected under operating conditions.	✓		
6	Prepare boiler for internal inspection in the following manner:	✓		
7	Fuel supply and ignition system shall be locked out.	✓		
8	Water shall be drawn off and water side thoroughly washed out.	✓		

9	Manhole and handhole plates, washout plugs, and inspection plugs in water column connections shall be removed.	✓	X	NOT applicable
10	The boiler shall be cooled and thoroughly cleaned.	✓		
11	All grates of internally fired boilers shall be removed.	✓		
12	Pressure gages shall be removed and tested.	✓		
13	Any leakage of steam or hot water into the boiler shall be prevented by disconnecting the pipe or valve at the most convenient point.	✓		

CHECK POINT NO.	CHECK POINT DESCRIPTION	STATUS		REMARKS
		YES	NO	
14	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.	✓		
15	Inspector will not enter boiler until satisfied that necessary safety precautions and pre-inspection preparations have been made.	✓		
16	If a boiler has not been properly prepared for an internal inspection, the inspector should decline to make the 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	✓		
18	Account for all tools, materials, and equipment before closing boiler.	✓		
BOILER INSPECTION AND MAINTENANCE CHECKLIST				
1	Check boiler room for ventilation in accordance with the American Gas Association (AGA) burner requirements.	✓		Grill open and clear
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.)		X	OIL Boiler NOT gas
3	Check flue connections for tight joints and minimum resistance to air flow. (combustion chamber, flues, breaching, and chimney are clear before firing.)	✓		Would recommend a Better way of removing Bleach To clean Boiler
4	Draft regulators require slightly negative pressure in the combustion chamber at maximum input.	✓		
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.	✓	X	
6	Check burner for flashback and tight shutoff of fuel.	✓		
7	Check operation of automatic controls and combustion flame safeguards. Clean and adjust, if necessary.	✓		

8	Replace fusible plugs, if applicable.	✓	X	
9	Operation and adjustments should conform with manufacturer's instructions.	✓		

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: HVAC Technician **Additional Notes:**

PREVENTATIVE MAINTENANCE PROGRAM CHECKLIST
BOILER - ELECTRIC, GAS, OIL

SITE AND BLDG #: NY 58

LOCATION/RM #: MATW

MECHANIC
SIGNATURE: [Signature]

DATE: 8/16/22

START TIME: 5:00 pm

FINISH TIME: 6:15 pm

Site Location	WO #	Asset #	PM #	Manufacturer	Model Number	Serial #	Asset Description	Asset Location
		10275		Slant Fin	TR-70C	10003356	Boiler	Mechanical room

CHECK POINT	CHECKPOINT DESCRIPTION	TASK COMPLETION		NOTES/ACTIONS (If task cannot be completed, 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	Verify that the annual inspections for the boiler have been satisfactorily performed.	✓		
3	Follow lock out/tag out procedures always. De-energize or discharge all hydraulic, electrical, mechanical, or thermal energy prior to beginning work. Wear appropriate respirator, goggles, and gloves while in contact with hazardous materials.	✓		
4	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.	✓		
5	All associated valves and piping, pressure and temperature indicating devices, metering, and recording devices, and all boiler auxiliaries shall be inspected under operating conditions.	✓		
6	Prepare boiler for internal inspection in the following manner:	✓		
7	Fuel supply and ignition system shall be locked out.	✓		
8	Water shall be drawn off and water side thoroughly washed out.	✓		

9	Manhole and handhole plates, washout plugs, and inspection plugs in water column connections shall be removed.	✓	X	NOT applicable
10	The boiler shall be cooled and thoroughly cleaned.	✓		
11	All grates of internally fired boilers shall be removed.	✓		
12	Pressure gages shall be removed and tested.	✓		
13	Any leakage of steam or hot water into the boiler shall be prevented by disconnecting the pipe or valve at the most convenient point.	✓		

CHECK POINT	CHECKPOINT DESCRIPTION	TASK COMPLETE		NOTES/ACTIONS (If task cannot be performed, provide reason below)
		YES	NO	
14	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.	✓		
15	Inspector will not enter boiler until satisfied that necessary safety precautions and pre-inspection preparations have been made.	✓		
16	If a boiler has not been properly prepared for an internal inspection, the inspector should decline to make the 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	✓		
18	Account for all tools, materials, and equipment before closing boiler.	✓		

TO BE PERFORMED AT EACH INSPECTION SERVICE

1	Check boiler room for ventilation in accordance with the American Gas Association (AGA) burner requirements.	✓		Grill open and clear
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.)		X	Oil Burner NOT gas
3	Check flue connections for tight joints and minimum resistance to air flow. (combustion chamber, flues, breaching, and chimney are clear before firing.)	✓		Would recommend a BETTER way of removing Bleech for cleaning
4	Draft regulators require slightly negative pressure in the combustion chamber at maximum input.	✓		
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.		X	
6	Check burner for flashback and tight shutoff of fuel.	✓		
7	Check operation of automatic controls and combustion flame safeguards. Clean and adjust, if necessary.	✓		

8	Replace fusible plugs, if applicable.		X	
9	Operation and adjustments should conform with manufacturer's instructions.	✓		

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: HVAC Technician **Additional Notes:**

PREVENTATIVE MAINTENANCE PROGRAM CHECKLIST
BOILER - ELECTRIC, GAS, OIL

SITE AND BLDG #: NY 58

MECHANIC
SIGNATURE: [Signature]

DATE: 8/16/22

LOCATION/RM #: MACH

START TIME: 1:45 pm

FINISH TIME: 3:15 pm

Site Location	WO #	Asset #	PM #	Manufacturer	Model Number	Serial #	Asset Description	Asset Location
		10274		Slant Fin	TR-70C	10003355	Boiler	Mechanical room

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	Verify that the annual inspections for the boiler have been satisfactorily performed.	✓		
3	Follow lock out/tag out procedures always. De-energize or discharge all hydraulic, electrical, mechanical, or thermal energy prior to beginning work. Wear appropriate respirator, goggles, and gloves while in contact with hazardous materials.	✓		
4	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.	✓		
5	All associated valves and piping, pressure and temperature indicating devices, metering, and recording devices, and all boiler auxiliaries shall be inspected under operating conditions.	✓		
6	Prepare boiler for internal inspection in the following manner:	✓		
7	Fuel supply and ignition system shall be locked out.	✓		
8	Water shall be drawn off and water side thoroughly washed out.	✓		

9	Manhole and handhole plates, washout plugs, and inspection plugs in water column connections shall be removed.		X	Not applicable
10	The boiler shall be cooled and thoroughly cleaned.	✓		
11	All grates of internally fired boilers shall be removed.	✓		
12	Pressure gages shall be removed and tested.	✓		
13	Any leakage of steam or hot water into the boiler shall be prevented by disconnecting the pipe or valve at the most convenient point.	✓		

CHECK POINT	CHECKPOINT DESCRIPTION	TASK COMPLETE		NOTES/ACTIONS (IF TASK COMPLETE IS CHECKED NO, PROVIDE EXPLANATION)
		YES	NO	
14	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.	✓		
15	Inspector will not enter boiler until satisfied that necessary safety precautions and pre-inspection preparations have been made.	✓		
16	If a boiler has not been properly prepared for an internal inspection, the inspector should decline to make the 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	✓		
18	Account for all tools, materials, and equipment before closing boiler.	✓		
TO BE PERFORMED AT EACH INSPECTION SERVICE				
1	Check boiler room for ventilation in accordance with the American Gas Association (AGA) burner requirements.	✓		Grill open and clear
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.)		X	Oil Boiler not gas
3	Check flue connections for tight joints and minimum resistance to air flow. (combustion chamber, flues, breaching, and chimney are clear before firing.)	✓		would recommend a better way to remove Bleaching for cleaning
4	Draft regulators require slightly negative pressure in the combustion chamber at maximum input.	✓		
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.	✓	X	
6	Check burner for flashback and tight shutoff of fuel.	✓		
7	Check operation of automatic controls and combustion flame safeguards. Clean and adjust, if necessary.	✓		

8	Replace fusible plugs, if applicable.				
9	Operation and adjustments should conform with manufacturer's instructions.	✓			

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: HVAC Technician **Additional Notes:**

PREVENTATIVE MAINTENANCE PROGRAM CHECKLIST BOILER - ELECTRIC, GAS, OIL

SITE AND BLDG #: NY 58

MECHANIC
SIGNATURE: Melgh

DATE: 8/16/22

LOCATION/RM #: MAFW

START TIME: 3:16 pm

FINISH TIME: 5:00 pm

Site Location	WO #	Asset #	PM #	Manufacturer	Model Number	Serial #	Asset Description	Asset Location
		10273		Slantfin	14-70C	1000354	Boiler	Mechanical Room

ITEM #	DESCRIPTION	COMPLETION DATE		REMARKS
		DATE	TIME	
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	Verify that the annual inspections for the boiler have been satisfactorily performed.	✓		
3	Follow lock out/tag out procedures always. De-energize or discharge all hydraulic, electrical, mechanical, or thermal energy prior to beginning work. Wear appropriate respirator, goggles, and gloves while in contact with hazardous materials.	✓		
4	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.	✓		
5	All associated valves and piping, pressure and temperature indicating devices, metering, and recording devices, and all boiler auxiliaries shall be inspected under operating conditions.	✓		
6	Prepare boiler for internal inspection in the following manner:	✓		
7	Fuel supply and ignition system shall be locked out.	✓		
8	Water shall be drawn off and water side thoroughly washed out.	✓		

9	Manhole and handhole plates, washout plugs, and inspection plugs in water column connections shall be removed.		X	not applicable
10	The boiler shall be cooled and thoroughly cleaned.	✓		
11	All grates of internally fired boilers shall be removed.	✓		
12	Pressure gages shall be removed and tested.	✓		
13	Any leakage of steam or hot water into the boiler shall be prevented by disconnecting the pipe or valve at the most convenient point.	✓		

CHECK POINT	CHECK POINT DESCRIPTION	STATUS		REMARKS
		YES	NO	
14	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.	✓		
15	Inspector will not enter boiler until satisfied that necessary safety precautions and pre-inspection preparations have been made.	✓		
16	If a boiler has not been properly prepared for an internal inspection, the inspector should decline to make the 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	✓		
18	Account for all tools, materials, and equipment before closing boiler.	✓		
SECTION 2 - INSPECTION OF THE BOILER ROOM				
1	Check boiler room for ventilation in accordance with the American Gas Association (AGA) burner requirements.	✓		Grill open and clear
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.)	✓	X	Oil Burner not gas would recommend a better way to remove Breathing for cleaning
3	Check flue connections for tight joints and minimum resistance to air flow. (combustion chamber, flues, breaching, and chimney are clear before firing.)	✓		
4	Draft regulators require slightly negative pressure in the combustion chamber at maximum input.	✓		
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.	✓	X	
6	Check burner for flashback and tight shutoff of fuel.	✓		
7	Check operation of automatic controls and combustion flame safeguards. Clean and adjust, if necessary.	✓		

8	Replace fusible plugs, if applicable.				
9	Operation and adjustments should conform with manufacturer's instructions.				

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: HVAC Technician Additional Notes:

PREVENTATIVE MAINTENANCE PROGRAM CHECKLIST BOILER - ELECTRIC, GAS, OIL

SITE AND BLDG #: PT 57

MECHANIC SIGNATURE: [Signature]

DATE: 8/17/22

LOCATION/RM #: MAIN

START TIME: 1:30pm

FINISH TIME: 3:00pm

Site Location	WO #	Asset #	PM #	Manufacturer	Model Number	Serial #	Asset Description	Asset Location
		10272		Slant Fin	TR-70WV	1204157	Boiler	mechanical

CHECK POINT	CORE ELEMENT DESCRIPTION	MAINTENANCE		NOTES
		DETAILED	STATUS	
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	Verify that the annual inspections for the boiler have been satisfactorily performed.	✓		
3	Follow lock out/tag out procedures always. De-energize or discharge all hydraulic, electrical, mechanical, or thermal energy prior to beginning work. Wear appropriate respirator, goggles, and gloves while in contact with hazardous materials.	✓		
4	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.	✓		
5	All associated valves and piping, pressure and temperature indicating devices, metering, and recording devices, and all boiler auxiliaries shall be inspected under operating conditions.	✓		
6	Prepare boiler for internal inspection in the following manner:	✓		
7	Fuel supply and ignition system shall be locked out.	✓		
8	Water shall be drawn off and water side thoroughly washed out.	✓		

9	Manhole and handhole plates, washout plugs, and inspection plugs in water column connections shall be removed.				
10	The boiler shall be coated and thoroughly cleaned.	✓			
11	All grates of internally fired boilers shall be removed.	✓			
12	Pressure gages shall be removed and tested.	✓			
13	Any leakage of steam or hot water into the boiler shall be prevented by disconnecting the pipe or valve at the most convenient point.	✓			

CHECK POINT	CHECK POINT DESCRIPTION	STATUS		REMARKS	DATE
		YES	NO		
14	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.	✓			
15	Inspector will not enter boiler until satisfied that necessary safety precautions and pre-inspection preparations have been made.	✓			
16	If a boiler has not been properly prepared for an internal inspection, the inspector should decline to make the 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	✓			
18	Account for all tools, materials, and equipment before closing boiler.	✓			

BOILER INSPECTION AND MAINTENANCE CHECKLIST					
1	Check boiler room for ventilation in accordance with the American Gas Association (AGA) burner requirements.	✓			Grill open and clear
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.)		✓		Oil Boiler not gas
3	Check flue connections for tight joints and minimum resistance to air flow. (combustion chamber, flues, breaching, and chimney are clear before firing.)	✓			would recommend a better way of cleaning Breach
4	Draft regulators require slightly negative pressure in the combustion chamber at maximum input.	✓			
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.		✓		
6	Check burner for flashback and tight shutoff of fuel.	✓			
7	Check operation of automatic controls and combustion flame safeguards. Clean and adjust, if necessary.	✓			

8	Replace fusible plugs, if applicable.		X	
9	Operation and adjustments should conform with manufacturer's instructions.	✓		

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: HVAC Technician **Additional Notes:**

[illegible]