

# Rhode Island Weatherization Assistance Program Heating System Evaluation Report

Every weatherized dwelling in RI shall have all HVAC systems evaluated by a licensed HVAC technician (limitations apply). HVAC evaluations and related services provided under the RIWAP, shall comply with the American National Standards Institute/Air Conditioning Contractors of America (ACCA) Standard-4 (2008). An RIWAP HVAC Evaluation Report shall be completed by a technician in conjunction with every evaluation performed and shall accompany any request for payment. RIWAP shall define an Evaluation as incorporating all Inspection, Maintenance, and Testing procedures mandated by ACCA Standard-4, as applicable per system type.

## I. Job Information. All fields required.

Client Name: \_\_\_\_\_  
 Street Address: \_\_\_\_\_  
 City, Zip Code: \_\_\_\_\_  
 Technician Name: CARI PECCIA  
 Job Number: # 2746  
 Date Assigned: \_\_\_\_\_  
 Company Name: \_\_\_\_\_

## II. System Identification. All fields required.

No. of Primary Systems Present: 2 No. of Unvented Space Heaters Present: \_\_\_\_\_  
 No. of Supplemental Systems Present: \_\_\_\_\_  
 Are Unvented Space Heaters the Primary Heat Source?  Yes  No

### Old Unit: Check all that apply

- |  |  |
|--|--|
| <input type="checkbox"/> Electric                        | <input type="checkbox"/> Forced Air            |
| <input checked="" type="checkbox"/> Natural Gas          | <input type="checkbox"/> Gravity               |
| <input type="checkbox"/> Propane                         | <input checked="" type="checkbox"/> Boiler     |
| <input type="checkbox"/> Oil                             | <input type="checkbox"/> Space Heater          |
| <input type="checkbox"/> Kerosene                        | <input type="checkbox"/> Unvented Space Heater |
| <input type="checkbox"/> Solid Fuel (Wood, Coal, Pellet) | <input type="checkbox"/> Water Heater          |

Brand/Trade Name Peerless boiler  
 Model No. MI-04  
 Serial No. 9204-1  
 Date Manufactured 2006  
 System Size \_\_\_\_\_ btu/ton/other  
 Location Basement

### New Unit: Check all that apply

- |  |  |
|--|--|
| <input type="checkbox"/> Electric                        | <input type="checkbox"/> Forced Air            |
| <input checked="" type="checkbox"/> Natural Gas          | <input type="checkbox"/> Gravity               |
| <input type="checkbox"/> Propane                         | <input checked="" type="checkbox"/> Boiler     |
| <input type="checkbox"/> Oil                             | <input type="checkbox"/> Space Heater          |
| <input type="checkbox"/> Kerosene                        | <input type="checkbox"/> Unvented Space Heater |
| <input type="checkbox"/> Solid Fuel (Wood, Coal, Pellet) | <input type="checkbox"/> Water Heater          |

Brand/Trade Name \_\_\_\_\_  
 Model No. \_\_\_\_\_  
 Serial No. \_\_\_\_\_  
 Date Manufactured \_\_\_\_\_  
 System Size \_\_\_\_\_ btu/ton/other  
 Location \_\_\_\_\_

**COMPLETE FOR ALL VENTED FUEL-FIRED SYSTEMS**

Ambient CO \_\_\_\_\_ ppm  
 Spillage Test  Pass  Fail  Not applicable  
 Worst case CAZ \_\_\_\_\_ Pa  
 Draft (at worst case) \_\_\_\_\_ Pa  
 Ambient Temperature \_\_\_\_\_ °F  
 CAZ volume (if applicable) \_\_\_\_\_ ft<sup>3</sup>  
 Additional venting needed \_\_\_\_\_ in<sup>2</sup>  
 Pressure switch \_\_\_\_\_  Pass  Fail  Not applicable

Before

Steady state efficiency \_\_\_\_\_ %  
 CO \_\_\_\_\_ ppm  
 O<sub>2</sub> \_\_\_\_\_ %  
 CO<sub>2</sub> \_\_\_\_\_ %  
 Stack Temperature \_\_\_\_\_ °F

After

Steady state efficiency \_\_\_\_\_ %  
 CO \_\_\_\_\_ ppm  
 O<sub>2</sub> \_\_\_\_\_ %  
 CO<sub>2</sub> \_\_\_\_\_ %  
 Stack Temperature \_\_\_\_\_ °F

**IV. Declaration of System Compliance: Official summary of conditions post-Evaluation**

System No. 1

Passes

Fails

System No. 2

Passes

Fails

Provide a detailed description of deficiencies identified in each failed system (continue on back if additional space is needed):

Although this is a relatively new boiler, due to continuously leaking pipe, this boiler is not safe and should be replaced. The rust and corrosion has caused the boiler and its components unsafe. Bid to replace gas boiler and split the basement from the 1st floor zone, creating 2 separate zones.  
 Due to living area next to boiler, make-up air will be needed.

FP= Functioning Properly  
 RR = Replacement Recommended

NR = Needs Repair  
 CP = Cleaning Performed

COMPLETE FOR NATURAL GAS AND PROPANE FURNACES

Description	Condition/Action Taken			
	FP	NR	RR	CP
Gas leaks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Burner (corrosion, etc)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Burner test	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Burner blow wheel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Main burner ignition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Heat exchanger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <i>rusty #</i>
Hot surface ignition	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Combustion chamber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Burner gaskets	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Inlet gas pressure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Manifold pressure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition of chimney	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condensate piping/drain	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Combustion air intake	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <i>→ need make up air</i>
Vent connectors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
90+ unit pipe condition	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Evidence of flame rollout?	<input type="checkbox"/> Yes	<input type="checkbox"/> No		
Chimney lined?	<input type="checkbox"/> Yes	<input type="checkbox"/> No		
Distance from combustibles	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail		
Vent system code compliant	<input type="checkbox"/> Yes	<input type="checkbox"/> No		
Fuel Usage (clock meter) _____				therms/h
Is usage within 10% of nameplate?	<input type="checkbox"/> Yes	<input type="checkbox"/> No		