**Daily Safety Test-Out Summary Sheet**

**Client name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Job #:\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Revised 11/30/23 **Test Set Up Date:\_\_\_\_\_\_\_\_\_\_\_\_**

**Day 1 Day 2 Day3**

**Turn all combustion appliances off or to pilot** Yes Yes Yes

**Remove forced air furnace filter** 􀀀 N/A Yes Yes Yes

**Close all exterior doors, windows and other openings** Yes Yes Yes

**Close fireplace or woodstove dampers** 􀀀 N/A Yes Yes Yes

**Turn on clothes dryer and all other exhaust fans** Yes Yes Yes

(Clean dryer lint trap and use a “no heat” setting)

(Includes power attic ventilators)

(Do not operate whole house exhaust fans)

**Open supply registers** (Close supplies in CAZ) 􀀀 N/A Yes Yes Yes

**Interior door position:**

***Fan Off* – Close all doors except to rooms with exhaust fans** Yes Yes Yes

***Fan On* – Smoke doors to rooms with exhaust fans** Yes Yes Yes

**Blower door used to simulate 300 CFM fireplace flow?** 􀀀 N/A Yes Yes Yes

**CAZ Depressurization Test**

**Day 1 Day 2 Day3**

Gauge set up to measure CAZ WRT outside?Yes Yes Yes

**Technician:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Date**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

CAZ Door CAZ Door CAZ Door

**Open Closed Open Closed Open Closed**

Furnace fan: **Off** \_\_\_\_\_Pa \_\_\_\_\_Pa **Off** \_\_\_\_\_Pa \_\_\_\_\_Pa **Off** \_\_\_\_\_Pa \_\_\_\_\_Pa

Furnace fan: **On**\* \_\_\_\_\_Pa \_\_\_\_\_Pa **On** \_\_\_\_\_Pa \_\_\_\_\_Pa **On** \_\_\_\_\_Pa \_\_\_\_\_Pa

\* Reposition doors as needed

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**Recreate conditions which caused the greatest negative pressure in the CAZ**

**Appliance Testing**

**Water Heater:** (Test the lowest Btu/hr input appliance first)

Fire the water heater **Day 1 Day 2 Day3**

Was initial flow established in the vent? (5 sec)Yes No Yes No Yes No

Did spillage disappear within 2 minutes?Yes No Yes No Yes No

Draft pressure after 5 minutes:\_\_\_\_\_Pa \_\_\_\_\_Pa \_\_\_\_\_Pa

**Furnace/boiler/space heater:**

Fire the heating appliance **Day 1 Day2 Day3**

Was initial flow established in the vent? (5 sec)Yes No Yes No Yes No

Did spillage disappear within 2 minutes?Yes No Yes No Yes No

Retest of smaller appliance:SpillageYes No Yes No Yes No

Draft pressure \_\_\_\_\_Pa \_\_\_\_\_Pa \_\_\_\_\_Pa

Furnace draft pressure after 5 minutes: \_\_\_\_\_Pa \_\_\_\_\_Pa \_\_\_\_\_Pa

Outdoor air temperature: \_\_\_\_\_°F \_\_\_\_\_°F \_\_\_\_\_°F

**“Worst Case Depressurization” Draft Testing**

**\*Important\***

DO NOT BREATHE SPILLING FLUE PRODUCTS!

**Be safe!** If the appliance does not establish a flow in the vent almost immediately, abort the test and follow the “Response to Failure” procedures. Do not wait for 2 minutes to see if the spillage disappears if the flow in the vent is in the wrong direction and into the room.

**Response to Failure:**

1) Disable portions of “Worst Case” set-up until the furnace or water heater functions properly.

2) Inform the client of what to do/not do with the house until permanent corrective action can be taken.

3) Notify your Wx Auditor/Supervisor that action is needed to repair problems with the home.

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**\*Emergency condition\***

If “worst case” is completely undone and the appliances still do not function under

“normal” operating conditions:

* **Do not operate the appliance until safety repairs are completed!**
* **Contact your supervisor.**

**Specifications:**

A) Flow of flue products must be established to the exterior of the structure in the vent almost immediately.

B) There should be no spillage within 2 minutes of operation.

C) Operation of the furnace should not cause spillage or a reduction in draft pressure in

any other appliance it shares combustion air with.

D) Adequate draft pressure after 5 minutes is:

**Minimum Draft Pressure**

**Outdoor Temperature** In. of Water Column Pascals

|  |  |  |
| --- | --- | --- |
| Greater than 80 °F | -0.005” W.C. | -1 Pa |
| Between 60 and 80 °F | -0.008” W.C. | -2 Pa |
| Between 40 and 60 °F | -0.012” W.C. | -3 Pa |
| Between 20 and 40 °F | -0.016” W.C. | -4 Pa |
| Less than 20 °F | -0.02” W.C. | -5 Pa |

**\*NOTE\***

Electrification does not require a DSTO. However, all Subgrantees are required to uphold a CAZ where required.

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