

## Daily Safety Test-Out Summary Sheet

Revised 4/20/07

### Set Up

Heating appliance and water heater off?	<input type="checkbox"/> Yes
Furnace filter clean or removed?	<input type="checkbox"/> Yes
All exterior windows and doors closed?	<input type="checkbox"/> Yes
Fireplace or wood stove dampers closed?	<input type="checkbox"/> Yes <input type="checkbox"/> N/A
Clothes dryer and all other exhaust fans operating? (Do not operate whole house exhaust fans)	<input type="checkbox"/> Yes <input type="checkbox"/> N/A
Interior doors closed? (Do not close doors to rooms that contain JUST an exhaust fan but no supply register)	<input type="checkbox"/> Yes <input type="checkbox"/> N/A
Supply registers open? (Close supply registers in the CAZ)	<input type="checkbox"/> Yes <input type="checkbox"/> N/A
Blower door used to simulate 300 CFM fireplace flow?	<input type="checkbox"/> Yes <input type="checkbox"/> N/A

### CAZ Test

Gauge set up to measure CAZ WRT outside?	<input type="checkbox"/> Yes
Is there a door from the CAZ to the main body of the house?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Is there a forced air furnace?	<input type="checkbox"/> Yes <input type="checkbox"/> No

#### CAZ door:

Open

Closed

Furnace Fan Off: \_\_\_\_\_ Pa      \_\_\_\_\_ Pa

Furnace Fan On: \_\_\_\_\_ Pa      \_\_\_\_\_ Pa

**\*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.

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

Spillage? (Should disappear within 2 minutes) ☐ Yes ☐ No

Draft pressure after 5 minutes: \_\_\_\_\_ Pa or \_\_\_\_\_ In. W.C.

**Furnace/boiler/space heater:** (Test the lowest Btu/hr input appliance first)

Fire the heating appliance.

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

Spillage? (Should disappear within 2 minutes) ☐ Yes ☐ No

Retest of smaller appliance: Spillage ☐ Yes ☐ No Draft \_\_\_\_\_ Pa or \_\_\_\_\_ In. W.C.

Draft pressure after 5 minutes: \_\_\_\_\_ Pa or \_\_\_\_\_ In. W.C.

## **“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.

### **\*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.
- C) Adequate draft pressure after 5 minutes is:

<b>Outdoor Temperature</b>	<b>Minimum Draft Pressure</b>	
	<b>In. of Water Column</b>	<b>Pascals</b>
Greater than 80 Degrees F.	.005” W.C.	1 Pa
Between 60 and 80 Degrees F.	.008” W.C.	2 Pa
Between 40 and 60 Degrees F.	.012” W.C.	3 Pa
Between 20 and 40 Degrees F.	.016” W.C.	4 Pa
Less than 20 Degrees F.	.02” W.C.	5 Pa