

Daily Safety Test-Out Summary Sheet

Client name: _____ Job #: _____

Revised 11/19/10

Test Set Up

	Day 1	Day 2	Day 3
Turn all combustion appliances off or to pilot	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
Remove forced air furnace filter	<input type="checkbox"/> N/A <input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
Close all exterior doors, windows and other openings	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
Close fireplace or woodstove dampers	<input type="checkbox"/> N/A <input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
Turn on clothes dryer and all other exhaust fans (Clean dryer lint trap and use a "no heat" setting) (Includes power attic ventilators) (Do not operate whole house exhaust fans)	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
Open supply registers (Close supplies in CAZ)	<input type="checkbox"/> N/A <input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
Interior door position:			
<i>Fan Off</i> – Close all doors except to rooms with exhaust fans	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
<i>Fan On</i> – Smoke doors to rooms with exhaust fans	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
Blower door used to simulate 300 CFM fireplace flow?	<input type="checkbox"/> N/A <input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes

CAZ Depressurization Test

Gauge set up to measure CAZ WRT outside?	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> 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			

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	Day 3
Was initial flow established in the vent? (5 sec)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Did spillage disappear within 2 minutes?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Draft pressure after 5 minutes:	_____ Pa	_____ Pa	_____ Pa
Furnace/boiler/space heater:			
Fire the heating appliance	Day 1	Day 2	Day 3
Was initial flow established in the vent? (5 sec)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Did spillage disappear within 2 minutes?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Retest of smaller appliance: Spillage	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> 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.

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:

Outdoor Temperature	Minimum Draft Pressure	
	In. of Water Column	Pascals
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