

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 <input type="checkbox"/> N/A	·Yes	·Yes	·Yes
Close all exterior doors, windows and other openings	·Yes	·Yes	·Yes
Close fireplace or woodstove dampers <input type="checkbox"/> N/A	·Yes	·Yes	·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)	·Yes	·Yes	·Yes
Open supply registers (Close supplies in CAZ) <input type="checkbox"/> 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? <input type="checkbox"/> 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 Open Closed	CAZ Door Open Closed	CAZ Door 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	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.

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.