

CAZ and Diagnostic Testing

Client Name:		Tester:		Job #:	
Address:			City:		Phone #:
CAZ Location:		Pre-Test Date:		Post Test Date:	
	Test Steps	Pre-WX	Post WX		
1.	Check gas line and fittings from meter to appliances for leaks and follow procedure if leak found.				
2.	Inspect venting and deactivate all combustible appliances.				
3.	Record outdoor temperature.	°F	°F		
Set home up for CAZ Testing					
4.	Close all exterior windows and doors. Close interior doors except rooms with exhaust fans or return air vents. Close solid fuel dampers. Turn off all fans, furnace and appliances. CAZ Door(s) Closed				
5.	Set CAZ baseline with reference to outside on Monometer. (Channel A Ref) Record pressure reading.	Pa	Pa		
Exhaust Fans					
6.	Remove filter from furnace and clean lint trap on dryer.				
7.	Turn on all fans exhausting to outside: bath fans, dryer, kitchen fans, whole house vacuums, etc. Record pressure reading.	Pa	Pa		
Air Handler					
8.	On thermostat, turn mode to "off" and fan to "on" to turn air handler on. Record pressure reading.	Pa	Pa		
Doors					
9.	Open interior door to CAZ. If pressure reading is more negative leave door open, if pressure reading is more positive leave door closed. Record pressure reading.	Pa	Pa		
Water Heater					
10.	Leave CAZ in worst case depressurization and turn water heater on. Check for spillage at the draft diverter with mirror or smoke device after 2 minutes.	Spillage ☐ Y ☐ N	Spillage ☐ Y ☐ N		
11.	Turn on combustion analyzer outdoors to set baseline for inside testing.				
12.	Measure CO Air Free in undiluted gases at water heater throat before draft inverter after 5 minutes. Record CO measurement.	ppm	ppm		
13.	Optional step: Test draft pressure in flue.	Pa	Pa		
Furnace					
14.	Turn thermostat fan from "on" to "auto" and heat to "on". Turn temperature up to ensure furnace turns on.				
15.	Re-check water heater for spillage at the draft diverter after furnace has been on for 2 minutes.				
16.	Measure CO Air Free in furnace undiluted gases after 5 minutes - 60% furnace in ports before draft diverter, 80% furnace in flue 18"-24" above furnace or first elbow, 90% furnace at outside PVC termination. Record CO measurement.	ppm	ppm		
17.	Record steady state efficiency test and record measurement.	%	%		
18.	Consult BPI-1200 Standards page 13, Table 1 for CO thresholds. If any test fails, consult BPI-1200 standards page 42, Annex D, Table D.1.A for corrective actions for spillage, and Table D.1.B for corrective actions on CO.				
19.	Measure heat rise with thermometer(s), one in supply and one in return ducting. Reference heat rise on manufacture plate on furnace.	°F	°F		
Notes					