



Pollution Source Survey

Client:

Date:

Assessor:

High Risk Household Members				
1.	Yes	No	Family members aged less than 4 or more than 60 years old?	
2.	Yes	No	Household members with asthma, respiratory problems or flu-like symptoms?	
3.	Yes	No	Anyone pregnant living in this residence?	
Sources of Contaminants				
4.	Yes	No	Was the house built before 1978?	When?
5.	Yes	No	Paint peeling /flaking from floors, walls or ceilings?	
6.	Yes	No	Carpet ever been water soaked?	
7.	Yes	No	Carpet covering concrete floor?	
8.	Yes	No	Unvented combustion appliances in the home?	
9.	Yes	No	Do household members smoke inside the home?	
10.	Yes	No	Cars park in attached garage?	
11.	Yes	No	Seasonal pooling in crawlspace?	
12.	Yes	No	Noticeable leaks or water staining on ceiling or walls?	
13.	Yes	No	Indoor pets?	
14.	Yes	No	Paints, solvents, thinner, pesticides stored in home?	
15.	Yes	No	House been tested for Radon?	
16.	Yes	No	Insecticides or rodenticides used in home or ductwork?	
17.	Yes	No	Other	
Strengths of Indoor Contaminants				
18.	Yes	No	Unusual odors in house?	
19.	Yes	No	Moisture noticeable on windows?	
20.	Yes	No	Mold visible anywhere in house?	
21.	Yes	No	House temperature unusually warm or cold?	
22.	Yes	No	Humidity levels unusually high?	



Ventilation Worksheet page 1

Client: _____ **Date:** _____ **Assessor:** _____

Blower Door Test	
23.	Cfm 50
24.	Calculated Building Tightness Limit (BTL) Cfm 50
25.	BTL/n Cfm required (via natural, mechanical or combination)
Effect of adding exhaust device on House Depressurization Limit	

Ventilation Strategy	
26. Yes No Pollution Source Survey completed?	Please Attach Survey
27. Yes No Ventilation Strategy Needed?	See PSS Lines
The ventilation system or strategy is designed to: (check as many that apply)	
28. <input type="checkbox"/>	Provide spot ventilation in bathroom or kitchen
29. <input type="checkbox"/>	Relieve pressure induced combustion safety problems
30. <input type="checkbox"/>	Provide additional outside air to meet or exceed Minimum Ventilation Guidelines
31. <input type="checkbox"/>	Other:
32. Briefly Describe System or Strategy	



Ventilation Worksheet page 2

Client: _____ Date: _____ Assessor: _____

Exhaust Devices & Strategies (circle all that apply)				
33.	Dryer			
	Vent to outside	Repair/Replace Vent	Installed Dampered Hood	
34.	Kitchen Range Fan			
	Vent to outside	Install Dampered Cap Clean Fan	Replace Existing Fan	
	Install New fan		Electrician	
35.	Bathroom #1			
	Replace Existing Fan	Install new fan & exhaust thru wall	Install new fan & exhaust thru roof	Install dampered roof cap
	Control for Bathroom #1			
	Spring timer (2 wire)	24hr timer (3 wire)	Humidistat	Electrician
	Specifications & Materials			

36.	Bathroom #2			
	Replace Existing Fan	Install new & exhaust thru wall	Install new and exhaust thru roof	Install dampered roof cap
	Control for Bathroom #2			
	Spring timer (2 wire)	24hr timer (3 wire)	Humidistat	Electrician
	Specifications & Materials			

Ventilation Worksheet page 3

Client:
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Standard Mechanical Ventilation & Control Options		
Option 1	Option 2	Option 3
<ul style="list-style-type: none"> Exhaust only Spot ventilation Spring timer 	<ul style="list-style-type: none"> Exhaust only Whole house ventilation Single Port 24hr timer 	<ul style="list-style-type: none"> Exhaust only Whole house multi-port 24hr timer
Option 4	Option 5	Option 6
<ul style="list-style-type: none"> Intake only Tied to exhaust fan operation (combustion safety problems) 	<ul style="list-style-type: none"> Intake only Whole house multi-port 	<ul style="list-style-type: none"> Return air (furnace) Whole house multi-port (supply ducts)
Option 7	Option 8	Option 9
<ul style="list-style-type: none"> Balanced ventilation single fan multi-port 	<ul style="list-style-type: none"> Balanced Ventilation dual fan multi-port 	<ul style="list-style-type: none"> Heat Recovery Ventilator (HRV)
Option 10		
<ul style="list-style-type: none"> Mechanical Crawlspace Ventilation 		

Tools & Ideas:

Downsizing of exhaust devices	Duct Sealing
Transfer Grilles/ undercut interior grilles	Additional supply register
Controls:spring timer, humidistat, timer	Reconfigured return side
Motorized fresh air damper, ducted to return side, tied to furnace fan operation	Isolation of combustion appliances (confined space with combustion air)
Dedicated combustion air openings (i.e. Woodstove)	Supply side dampers
Constant air regulators	Fresh air 80



Ventilation Worksheet page 4

Client: _____ **Date:** _____ **Assessor:** _____

Additional Considerations:	
Fan positioning: remote, surface	Cost & difficulty of installation
Sone rating of fan installed	Acceptable to occupant
Effectiveness	Durability
Maintenance	

Energy Penalty
To calculate the energy penalty of the convective heat loss and cost of operating the equipment, refer to the appendix in John Krigger's Residential Energy.

Performance Test Data:	
Flow pan test cfm	Flow hood test

Clean and Maintenance / Equipment Useful Life Summary	
Brand	
Model	
Rated cfm	
Sones	
Rated Use Life	
Local Retail Dealer	

