

Pollutant Control Strategies

Pollutant	Source Control	Ventilation	Filtration
Ground Source Moisture	Best solution: control surface water, seal foundation, install crawl space moisture barrier.	Partial solution: use after all source control measures have been enacted.	No effect.
Occupant-Generated Moisture	Good solution: duct dryers and fans to outdoors, cover pans when cooking, avoid use of humidifiers.	Good solution: install ventilation equipment with intakes at the sources of pollutants.	No effect.
Biological Contaminants	Partial solution: but only limited effect because of widespread occurrence of organisms.	Best solution: use ventilation to lower humidity levels and discourage growth.	Limited effect.
Formaldehyde And Other Volatile Organic Compounds	Best solution: use low-emission building materials, avoid storing chemicals indoors.	Partial solution: but higher ventilation rates may be required while new materials out-gas.	Limited effect.
Carbon Monoxide and Other Combustion By-Products	Best solution: confirm that combustion appliances are vented properly. Install sealed combustion equipment when possible.	Unsafe option: combustion appliances should never allow spillage into the home.	No effect.
Carbon Dioxide and Other Occupant-Generated Effluents	Not practical: higher occupancy creates more pollutants.	Best solution: install ventilation equipment with exhaust pick-ups near the sources of pollutants.	Not practical.
Asbestos, Lead, and Other Particulates	Best solution: avoid use of these materials. If present, protect from damage.	Not practical.	Not practical.
Radon, Methane, Fertilizers, and Other Soil Gases	Best solution: seal foundation and provide sub-slab ventilation if needed.	Partial solution: but it's expensive at required ventilation rates.	Not practical.
Tobacco By-Products	Best solution: don't smoke indoors.	Partial solution: but it's expensive at required ventilation rates.	Partial solution.