

### **Radon Resistant Home Construction Techniques** **Reduce Risk at a Lower Cost**

The EPA has published a list of techniques that can be used during new home construction that will help prevent radon from entering homes. These techniques are more economical to incorporate during the construction phase rather than trying to retro-fit completed homes.

Basic Elements include a Gas Permeable Layer, a 4 inch layer of clean gravel placed under flooring or slab; Plastic Sheeting, covering the Gas Permeable Layer to prevent soil gases from entering the home; Sealing and Caulking, to seal all cracks and openings in the concrete slab to prevent radon entry; a Vent Pipe, 3" or 4" gas tight or PVC to safely vent the gases from the gas permeable layer to the roof; a Junction Box installation for possible future need of an exhaust fan to reduce radon levels.

Average cost for preventative measures are \$400 vs. a retro-fit at \$1,300. For more information use this EPA link, <http://www.epa.gov/radon/construc.html>.