Radon Program
Radon Reduction for Do-it-Yourselfers - Things to Consider

Are you willing and capable of:

- Accessing a crawl space (if your home has one) and working in that area
- Drilling holes through concrete floors or walls
- Excavating five to ten gallons of soil through a five inch diameter hole
- Cutting holes through finish floors, walls and ceilings
- Cutting and flashing roof penetrations
- Laying out vertical and horizontal runs of PVC pipe from your basement through the roof, or from the basement through an outside wall or floor perimeter
- Cutting, fitting, cleaning and gluing PVC pipe
- Wiring a simple fan connection
- Caulking and sealing work using solvent based caulks

Where an experienced radon contractor will be preferable:

- If the house has heating or air conditioning ductwork running under a slab
- If the house has a crawl space that is extremely tight to work in, or cannot be entered
- If the house has a crawl space with ductwork covered in asbestos paper or other asbestos containing materials
- If the house has a crawl space where rodents are plentiful
- If the house has an older concrete block wall foundation where the cores and block tops have not been sealed or grouted full

Where to find a list of radon contractors who are certified: call 1-800-693-5343 or

National Radon Proficiency Program – Radon Certification Program
www.nrpp.info

National Radon Safety Board – Radon Certification Program
www.nrsb.org

Radon Documents Online

Radon Mitigation Standards
www.epa.gov/radon/pubs/mitstds.html

EPA Consumers Guide to Radon Reduction
www.epa.gov/radon/pubs/consguid.html
Radon Mitigation Equipment Suppliers

**Professional Discount Supply**
http://www.radonpds.com/
1029 S. Sierra Madre, Suite B, Colorado Springs, CO 80903
General Information: pdsjam@att.net
Customer Support: 1-719-444-0646
Orders: 1-800-688-5776
Telephone 719-444-0646
FAX 719-442-2384

**Radon Supplies NA**
http://www.radonsupplies.com/
sales@radonsupplies.com
1 Eighth Street, Suite 6
Frenchtown NJ 08825
888-800-5955
908-996-0400
908-996-0707 fax

**Radon Control Inc.**
http://www.radoncontrol.com/
RADON CONTROL, INC.
567 Industrial Drive
Carmel, IN 46032
Tel: (317) 846-7486 Fax: (317) 846-5882
e-mail: radonsuply@aol.com

**Infiltec**
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**Festa Radon Technologies**
http://www.festaradontech.com
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Radon Mitigation System Drawings to Help the Do-It-Yourselfer

1. Sample piping system using an interior exhaust stack.

Notes:

1. Horizontal piping run in attic shown only for illustration. Stack could have penetrated straight upward through roof, if there were sufficient headroom to install fan at that location.

2. Electrical wiring to fan illustrated in later figure.
2. Sample piping system using an exterior exhaust stack.
3. Sample piping system using suction point on a interior drain tile system that feeds into a sump in the basement.
4. Crawl space system using suction under a membrane with one or more membrane penetrations.
6. A sub-slab system using pipes inserted horizontally through the foundation wall from outdoors.

Notes:
1. The exterior downspout exhaust stack illustrated here is one of several possible stack configurations, as discussed later.
2. Sealing pipe penetration through wall is important to reduce leakage of outdoor air and air from block cavities into SSD system.
5. Crawl space system using suction on a perforated pipe under a membrane.

Prepared by Kansas Radon Program using EPA reference documents – 3/6/03