Post-mitigation System Checklist

Project Start Date: ____________  Project Completion Date: ____________  System Tag ID Number: ____________________

Mitigation Address: _____________________________________________________  ____________________________________
City: ________________________________  Zip Code: __________________  County: __________________________

What type of system was installed? Check all that apply.
☐ SSD - Sub-slab depressurization  ☐ SMD - Sub-membrane depressurization  ☐ DTD - Drain tile/Sump depressurization
☐ BWD - Block wall depressurization  ☐ RRNC – Activating RRNC  ☐ OTH – Other: attach explanation

Pre-mitigation radon level: ______  Post-mitigation radon level: ______  Conducted by whom: _________________________

Name of Mit. Pro. Completing Project: _______________________________________  MDH License #: ______________________

Year building Constructed: ____________  Was this mitigation part of a real estate transaction?  ☐ Yes  ☐ No

Building Type:  ☐ SFH - Single Family Home  ☐ MFH – Multi-Family Home  ☐ SCH - School  ☐ LBG - Large Building

Building Owner Name: ___________________________  Building Owner Email and/or phone: _____________________________

Fan Manufacturer: ___________________  Model: ____________________  System Pressure/U-Tube Reading: ______________

General Requirements:
Were all local and state codes followed and all licenses and permits obtained?  ☐ Yes  ☐ No
Are suction pits a minimum of two gallons in size? Larger suction points to be used in tight soils.  ☐ Yes  ☐ No
Were all fire rated walls protected with fire collars?  ☐ Yes  ☐ No
Were any structural members of the building cut or notched?  ☐ Yes  ☐ No
Are flue gas spillage/backdrafting conditions observed?  ☐ Yes  ☐ No

Radon Vent Pipe Requirements:
Is all system piping glued & sealed in an air & water tight fashion and sloped to provide drainage?  ☐ Yes  ☐ No
Are all positively pressurized components of the system outside & not under the conditioned space of the building?  ☐ Yes  ☐ No
Is all duct piping and fittings made from schedule 40 PVC or ABS?  ☐ Yes  ☐ No
Is all system piping securely fastened to the structure & at least every 10’ on vertical runs & 6’ of horizontal runs?  ☐ Yes  ☐ No
Does the duct piping allow access to all required areas and does not block doors and windows?  ☐ Yes  ☐ No
Are duct piping runs in unconditioned areas insulated with R4 minimum insulation materials?  ☐ Yes  ☐ No
Is duct pipe at least 3” in diameter and sized to provide adequate airflow? 4 inch required in higher flow situations.  ☐ Yes  ☐ No

Vent Stack Discharge Point:
Is the discharge outside the structure and at least 10 feet above grade?  ☐ Yes  ☐ No
Is the discharge point at least 2 feet above operable windows, doors and other openings in the structure if the exhaust is not 10 feet away?  ☐ Yes  ☐ No
Is the discharge point at least 10 feet away from mechanical air intakes, surface of decks, patios and sidewalks?  ☐ Yes  ☐ No
Is the discharge point at least 1 foot above the surface or edge of the roof?  ☐ Yes  ☐ No
Is the discharge configured to discharge air upward without obstruction and not striking building materials?  ☐ Yes  ☐ No
If a rain cap or other horizontal discharge is used, is exhaust 20 feet above grade and 10 feet away from openings?  ☐ Yes  ☐ No

Radon Fan Installation
Is the fan sealed, rated for continuous and outdoor use and the primary use from manufacturer is listed as ASD?  ☐ Yes  ☐ No
Is the fan located outside the conditioned space of the structure?  ☐ Yes  ☐ No
Is the fan mounted to a vertical pipe with rubber couplings?  ☐ Yes  ☐ No
### Sump Pit Requirements:
- **Is accessibility given to sump pumps by a four inch access hole and pipe disconnect near the lid?**  
  - [ ] Yes  
  - [ ] No  
  - [ ] NA
- **Are sump lids sealed with silicone caulk, gasket or other temporary manner?**  
  - [ ] Yes  
  - [ ] No  
  - [ ] NA
- **Has sump pump been reconnected to a power source and its functionality verified?**  
  - [ ] Yes  
  - [ ] No  
  - [ ] NA

### Crawlspace and Soil Gas Retarder Requirements:
- **Is the suction pipe extended under the membrane to allow for PFE under the entire membrane?**  
  - [ ] Yes  
  - [ ] No  
  - [ ] NA
- **Does the soil gas retarder material meet minimum thickness and quality standards?**  
  - [ ] Yes  
  - [ ] No  
  - [ ] NA
- **Is the membrane secured to walls, columns or other foundational support in a durable manner?**  
  - [ ] Yes  
  - [ ] No  
  - [ ] NA
- **Are all seams, penetrations through and repairs made to the membrane permanently sealed?**  
  - [ ] Yes  
  - [ ] No  
  - [ ] NA

### Electrical Requirements:
- **Was all electrical work installed by a licensed electrician and does it meet all local and national electrical codes?**  
  - [ ] Yes  
  - [ ] No
- **Is disconnect provided in line of sight of the fan, within six feet of the fan, and labelled?**  
  - [ ] Yes  
  - [ ] No
- **For exterior mounted fans, is the electrical connection hardwired? Plugged-in connections are not allowed.**  
  - [ ] Yes  
  - [ ] No

### Monitors and Labelling:
- **Is there a system failure indicator/U-tube manometer installed and is the pressure reading clearly marked?**  
  - [ ] Yes  
  - [ ] No
- **Is the system description label filled out completely and attached in the proper location?**  
  - [ ] Yes  
  - [ ] No
- **Is the MDH System Tag installed inside the building, next to the pressure gauge and in a visible location?**  
  - [ ] Yes  
  - [ ] No
- **Are all components of the radon system properly labelled?**  
  - [ ] Yes  
  - [ ] No
- **Is the OM&M plan attached to the radon system?**  
  - [ ] Yes  
  - [ ] No

### Sealing Requirements (Sealants shall be compatible with the materials being sealed):
- **Are all suction points, utility penetrations and plumbing openings sealed in an airtight and permanent manner?**  
  - [ ] Yes  
  - [ ] No
- **Are all cracks and openings in the foundation walls and floors sealed in an airtight and permanent manner?**  
  - [ ] Yes  
  - [ ] No

### Floor plan sketch (shall include fan, all system piping and suction points):

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**Signature of Licensed Radon Mitigation Professional** ___________________________  
**Date** ___________________________

This form is required by MN Rule 4620.7600 Subp 2 and shall be completed prior to attaching the radon system tag and kept on file for three years.