

Post-Installation Verification

How to confirm your mitigation system is performing and maintain it for years to come.

Confirming Your System Works

A mitigation system is only as good as its results. Here's how to confirm yours is doing its job — both right after install and for years to come.

Immediately After Installation

- Check the manometer (the small U-shaped pressure gauge on the pipe) — it should show a visible pressure differential, confirming the fan is creating suction beneath the slab.
- Listen for the fan — it should run continuously and quietly. If it's silent or unusually loud, contact your installer.
- Confirm the exhaust point is clear of obstructions and terminates safely above the roofline, away from windows and other openings.

Post-Installation Testing

Health Canada's guidance (also followed by C-NRPP-certified professionals) recommends retesting no sooner than 24 hours and no later than 30 days after installation. This confirms your radon level has actually dropped below the 200 Bq/m³ action level.

- A short-term test kit is typically used for this follow-up test.
- Place it the same way as your original test — lowest lived-in level, away from drafts and walls.
- A properly functioning system typically reduces radon levels by more than 80%.

Ongoing Maintenance

- The fan is the one moving part in the system, and like any fan, it has a lifespan — typically 5–10 years.
- Check the manometer periodically (a quick monthly glance is enough) to confirm the pressure differential is still present.
- If the manometer reading drops to zero or the fan goes silent, the system may have failed silently — contact a professional promptly.
- Retest every two years, or after any renovation affecting your foundation or ventilation, to confirm continued performance.

When to Call a Professional

- The fan has stopped running or sounds different than usual

- The manometer shows no pressure differential
- A retest comes back above 200 Bq/m³
- You've completed renovations that may affect airflow or the foundation