



# Finally, A Solution For Sub-slab Ductwork!

Sealing Ductwork in Conjunction with Radon Mitigation

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Radon Technology/Dayton Duct Seal/Volcano Radon





# Who Are We?

- Owners of Radon Mitigation Company in Dayton, OH
- Experience in Radon Industry Since 1987
- 30,000+ Mitigation Systems Installed

# The Problem



**Radon**

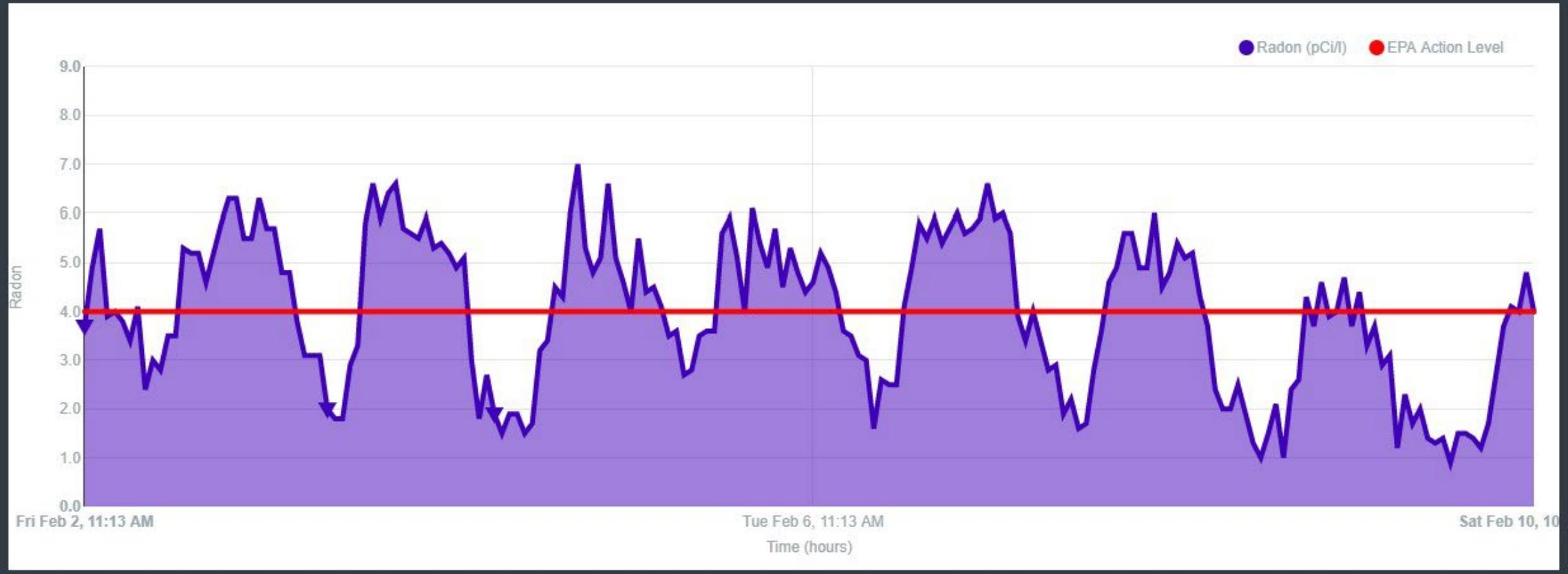
## Temperature

## Humidity

Barometric  
Pressure

▽ = tilt occurred ◇ = skipped hour

● Radon (pCi/l) ● EPA Action Level





The House



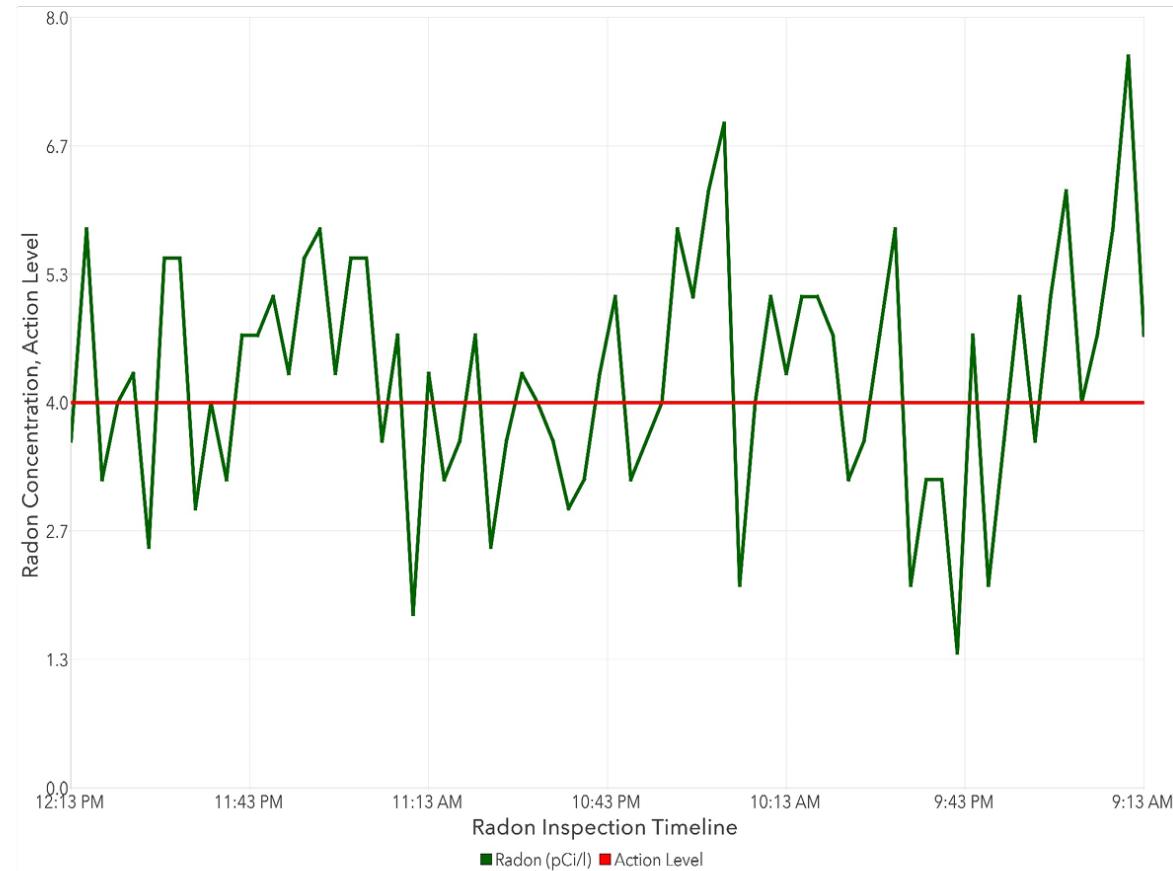
# Radon Test Results

## Mitigation With Sub-slab Ductwork

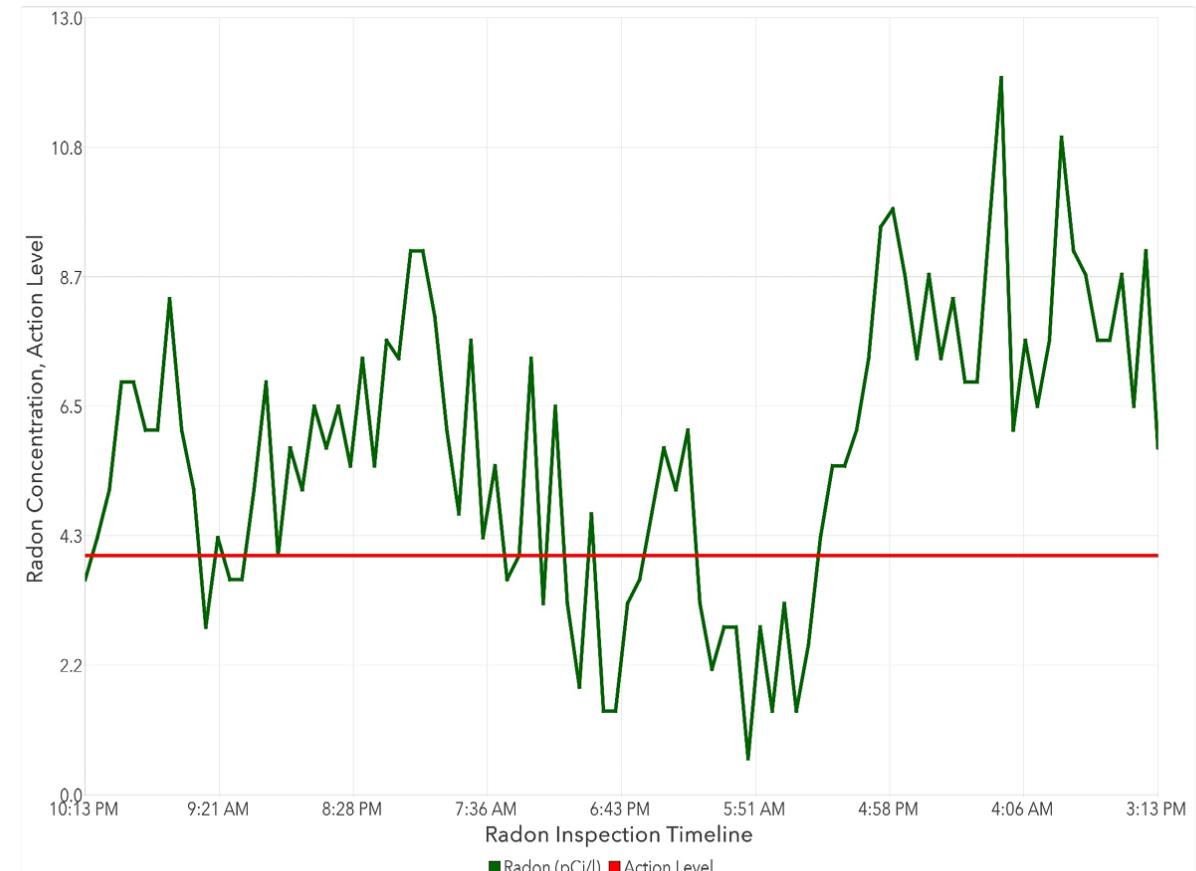
**Lower Slab 4.3 pCi/L**

**Upper Slab 5.8 pCi/L**

Radon Inspection Chart



Radon Inspection Chart



# Sub-slab Vacuum Measurements

HVAC Off

**-.009 ~ -.015 wc**

HVAC On

**+.013 ~ +.031 wc**

# The Solution

Don't Abandon  
the Ductwork,  
Seal it From the  
Inside

**Aeroseal/DuctArmor**

BEFORE



AFTER

- Aerosol sealant injected by pressurizing duct system
- Fills in gaps and holes
- Water soluble

- Applied using a sprayer and hose
- Coats and encapsulates entire duct system
- Water resistant



**DUCT**  **ARMOR**



# Sealing Results

## Initial Leakage

**247.7 CFM@25Pa = 46.8 Sq.In**

Equivalent to throwing  
248 basketballs of air outside of  
your conditioned space every minute

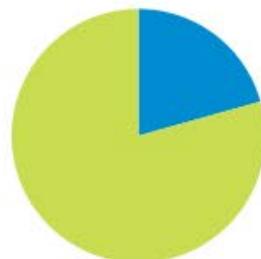


## Final Leakage

**11.7 CFM@25Pa = 2.2 Sq.In**

Equivalent to throwing  
12 basketballs of air outside of  
your conditioned space every minute

Leakage - 20.6 %  
System Capacity - 79.4%

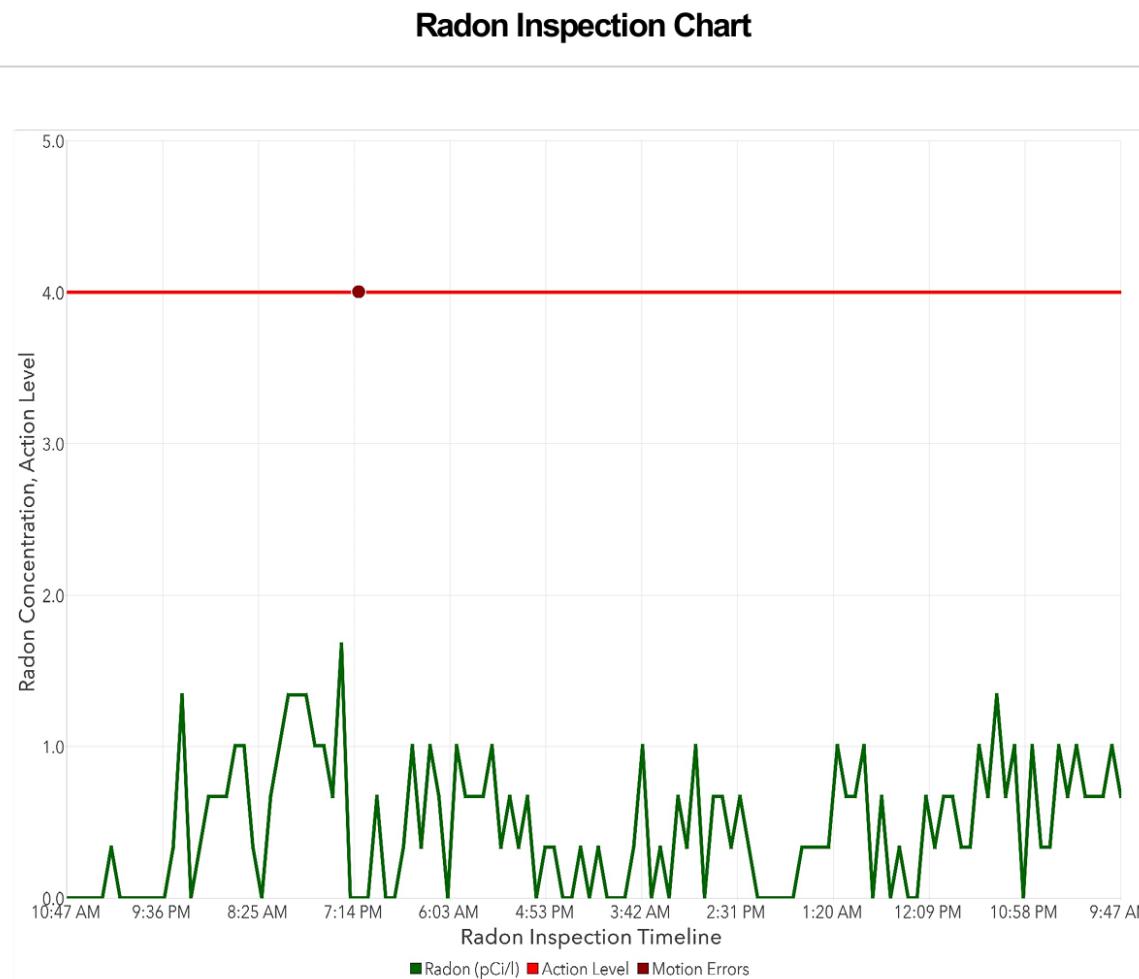


Leakage - 1.0 %  
System Capacity - 99.0%

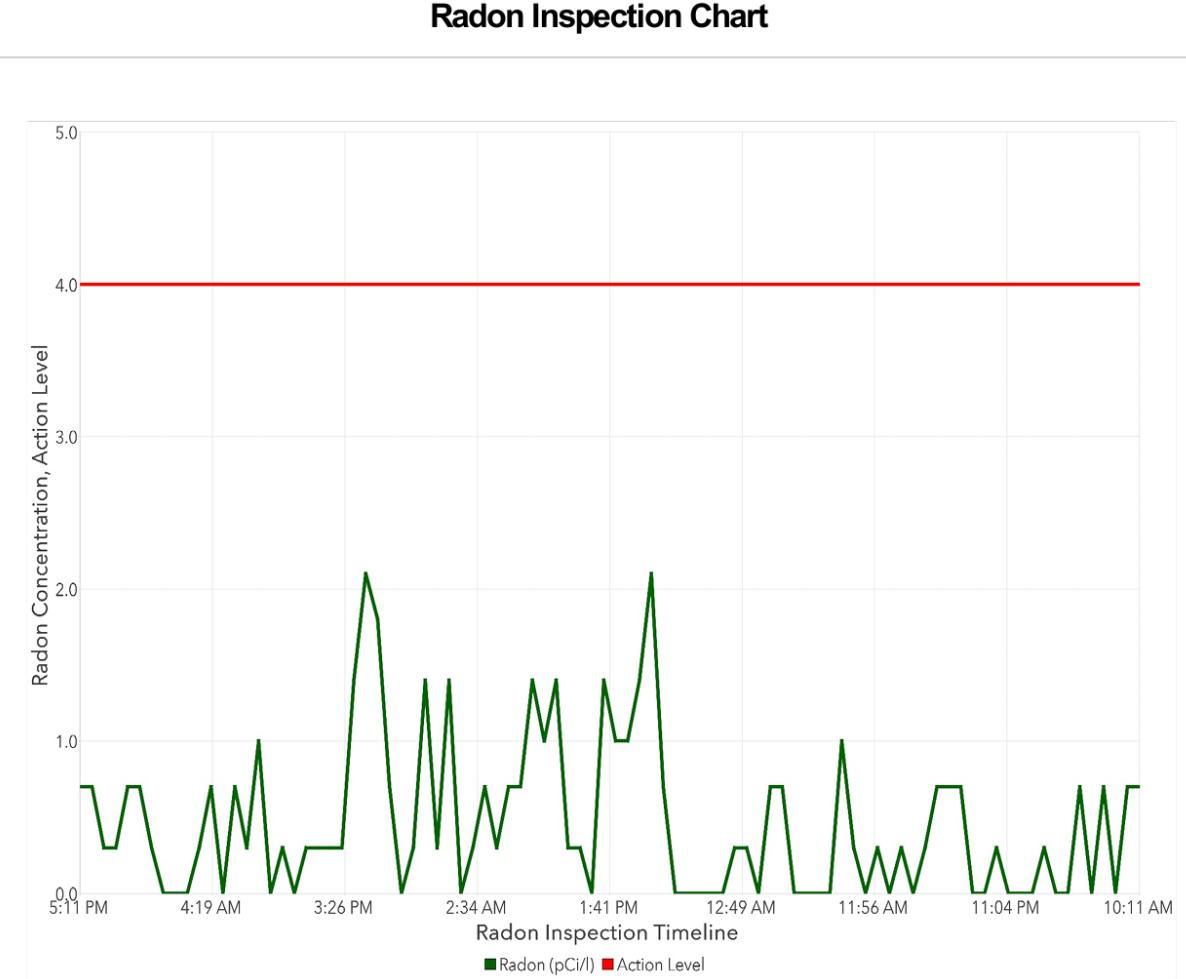


# Radon Test Results After Seal

## Lower Slab 0.5 pCi/L



## Upper Slab 0.5 pCi/L





# Questions?

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