

Indoor Radon Measurements Of The Multi Storey Buildings In

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Indoor Radon Measurements Of The

A generally accepted action level established by the World Health Organization, the WHO, is 100 Bq/m³, or 2.7 pCi/L. Homes or structures measuring higher are advised to take remedial action to lower radon levels. The WHO further advises an upper limit that should not be exceeded at 300 Bq/m³, or 8 pCi/L.

Radon levels: What do they mean? - Smart Radon & Indoor ...

The average concentration of radon in American homes is about 1.3 picocuries per liter and the average concentration in outdoor air is about 0.4 picocuries per liter. The U.S. EPA recommends that individuals avoid long-term exposures to radon concentrations above 4 picocuries per liter.

Indoor Radon

Typical short-term EICs are designed to measure radon for 2 to 15 days at a concentration of 150 Bq/m³. The long-term EICs measure radon over 3 to 12 months at a concentration of 150 Bq/m³. EICs have been described previously (Kotrappa et al. 1990).

Radon measurements - WHO Handbook on Indoor Radon - NCBI ...

Despite dilution by infiltrating surface air, radon produced by the gravel channel was approximately 12.7 Bq s⁻¹, which is sufficient to produce indoor radon concentrations above 222 Bq m⁻³ in a typical single-story house with a ventilation rate of 0.5 air changes per hour. View chapter Purchase book

Indoor Radon - an overview | ScienceDirect Topics

2.1 Indoor Radon Measurements Indoor radon measurements were performed in 167 private homes across the five most populated areas. The types of houses that were tested for radon were single detached houses, town homes, and row units. Electret ion chambers (E-PERMs produced by Rad Elec Inc.) were used in this informal survey. Short-

Geographic Analysis of Indoor Radon and Soil Gas Radon ...

and measurement techniques. The variation of radon concentration during the comparison showed a big range of values, with levels from approximately 0.5 to 30 kBq/m³. The reference values for the two exposure periods have been derived from a weighted average of participants' results applying an iterative algorithm. The

Intercomparison of Indoor Radon Measurements Under Field ...

Optimized or new measurement methods are needed for identification of radon priority areas. Open-faced charcoal canisters for indoor radon measurements are studied. Contributions to uncertainty budget are identified and their magnitudes estimated. Combined uncertainty is estimated for good practice and bad practice examples.

Radon measurements using open-faced charcoal canisters ...

The current Canadian guideline for radon in indoor air for dwellings is 200 becquerels per cubic metre (200 Bq/m³). This guideline provides Canadians with guidance on when remedial action should be taken to reduce radon levels.

Guide for Radon Measurements in Residential Dwellings ...

Radon is a naturally occurring radioactive gas that can cause lung cancer. You can't see or smell radon. Testing is the only way to know your level of exposure. Radon can have a big impact on indoor air quality.

Radon | US EPA

WHO fact sheet on radon and cancer: includes key facts, definition, health effects, radon in homes, radon in drinking water, WHO response.

Radon and health

Radon is the leading cause of lung cancer among non-smokers, and the second leading cause of lung cancer in America, claiming about 20,000 lives annually. Radon gas comes from the natural (radioactive) breakdown of uranium in soil, rock and water. It is found in every part of the U.S., and can get into any type of building.

Radon Overview

The average year-round residential indoor radon level is estimated to be about 1.3 pCi/L, and about 0.4 pCi/L of radon is normally found in outside air. The U.S. Congress has set a long-term goal that indoor radon levels be no more than outdoor levels.

Indoor Radon and Radon Decay Product Measurement Device ...

By building radon-resistant new homes, builders and contractors provide a public health service — helping to reduce buyers' risk of lung cancer from exposure to radon in indoor air. Using common materials and straightforward techniques, builders can construct new homes that are resistant to radon entry.

Radon-Resistant Construction Basics and Techniques | US EPA

Radon measured in the full sample (470 689 homes) is observed to be log-normally distributed with a geometric mean of 46.6 Bq/m³ and an arithmetic mean of 96.0 Bq/m³ after subtracting for outdoor radon. Figure 3 shows the distribution of radon measurements for the full dataset. Figure 3 Open in figure viewer PowerPoint

Home energy efficiency and radon: An observational study ...

Section 2: Indoor Radon Measurement Device Protocols: 2.1: Protocol for Using Continuous Radon Monitors (CR) to Measure Indoor Radon Concentrations: 2.2: Protocol for Using Alpha Track Detectors (AT or ATD) to Measure Indoor Radon Concentrations: 2.4: Protocol for Using Activated Charcoal Adsorption Devices (AC) to Measure Indoor Radon ...

Indoor Radon and Radon Decay Product Measurement Device ...

Even in the basic version, the RTM 2200 represents the perfect Rand and Thoron monitor for any kind of Radon measurement.

RTM 2200 - Radon and Thoron Measurement System - RadonMarket

The map below shows radon levels measured in homes by ZIP code in Maryland from 2005-2016. The U.S. Environmental Protection Agency (EPA) recommends testing all homes for radon, and fixing homes if their levels are higher than 4 picocuries per liter (pCi/L). Click the below map to access an interactive map of Maryland Radon data

Radon - Maryland

Radon Measurement Web App | Facility Executive - Creating Intelligent Buildings. RadOnline is a web application intended to make it even easier to use Radonova Laboratories' services in the field of radon measurement and analysis of radon samples. The new version makes both clear and detailed information available securely, whether the user logs in from a PC, smartphone, or other mobile device.