

IRELAND'S NATIONAL RADIATION MONITORING NETWORK

Annual radiation dose from all sources of radiation in Ireland

Radon
59.2%

Medical
10.4%

Cosmic
8.9%

Thoron
8.4%

Food
7.1%

Ground
radiation
5.8%

Occupational
0.3%

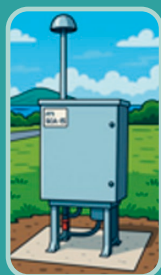
Network

The EPA has a National Radiation Monitoring Network to constantly monitor radiation levels in the environment. There are 26 sites across the country with instruments that measure alpha, beta and gamma radiation.

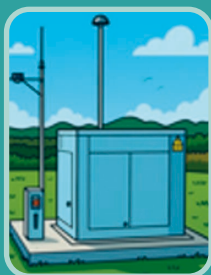


Equipment

Each site has one or more of these instrument types:



Low Volume
Offline Aerosol
Sampler



Low Volume
Online Aerosol
Sampler



Gamma Dose
Rate Probe



Rainwater
Sampler



High Volume
Aerosol Sampler



Results

On the EPA website (www.epa.ie) hourly gamma dose rate measurements are available in near real time. Results from laboratory analysis of air filters and rainwater from 2007 are also available and updated annually.

These measurements confirm that while radioactivity remains detectable in the Irish environment, levels are low and pose no risk to human health.

