1. Record Nr. UNINA9910970315003321

Titolo	Risk assessment of radon in drinking water / / Committee on the Risk Assessment of Exposure to Radon in Drinking Water, Board on Radiation Effects Research, Commission on Life Sciences, National Research Council
Pubbl/distr/stampa	Washington, DC, : National Academy Press, 1999
ISBN	9786612081996 9780309173674 0309173671 9781282081994 1282081993 9780309524742 0309524741 9780585143606 0585143609
Edizione	[1st ed.]
Descrizione fisica	1 online resource (296 p.)
Disciplina	615.9/02
Soggetti	Drinking water - Contamination - United States Radon - Health aspects Indoor air pollution - Health aspects - United States Radon mitigation Health risk assessment - United States Radiation - Dosage Radon Water-supply Causation Sanitary engineering Gases, Rare Pollutants Carcinogens Air - Pollution Risk Sanitation Chemical elements Public health Water Supply Air Pollution, Indoor - analysis

	Carcinogens, Environmental - analysis Radiation Dosage Radon - adverse effects Risk Factors
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. 200-222) and index.
Nota di contenuto	Front Matter -- Preface -- Contents -- Public Summary -- Executive Summary -- 1 Introduction -- 2 Baseline Information on Indoor Radon and Radon in Water in the United States -- 3 Transfer of Radon from Water to Indoor Air -- 4 Dosimetry of Ingested Radon and its Associated Risk -- 5 Dosimetry of Inhaled Radon and its Associated Risk -- 6 Molecular and Cellular Mechanisms of Radon-Induced Carcinogenesis -- 7 Defining Key Variabilities and Uncertainties -- 8 Mitigation -- 9 Multimedia Approach to Risk Reduction -- 10 Research Recommendations -- References Glossary -- A Behavior of Radon and its Decay Product in the Body -- B A Model for Diffusion of Radon Through the Stomach Wall -- C Water-Mitigation Techniques -- D Risks Associated with Disinfection By-products Formed by Water Chlorination Related to Trihalomethanes (THMs) -- E Gamma Radiation Dose From Granular-Activated Carbon (GAC) Water Treatment Units -- F EPA Approach to Analyzing Uncertainty and Variability -- Index
Sommario/riassunto	The Safe Drinking Water Act directs the U.S. Environmental Protection Agency (EPA) to regulate drinking-water quality, including setting a maximum contaminant level (MCL) for radon, an acknowledged carcinogen, to restrict the exposure of the public.