

Well Water Testing & Treatment: Don't Forget the Radon!

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Abstract

Federal risk estimates and guidelines for radon in water are based on a limited amount of public drinking water system testing. However, private wells can be 3-20 times higher in radon concentrations than public wells so the actual health risks for consumers on private wells is much higher than the estimates. You can't have good water without testing for radon and reducing elevated levels. EPA has designated aeration as the Best Available Technology for radon treatment. The water contractor needs not only to properly size the aeration system for the occupants' needs, but also must understand the pre-treatment requirements when aerating a private well system. This presentation briefly covers the importance of including radon testing on every private well and reducing levels that can cause lung cancer in the occupants. Attendees will learn how to properly size an aeration system for home installation and what contaminants are necessary to pre-treat prior to aeration.