

The application of the ALARA principle for radon at the workplace: practical feedbacks from the European ALARA Network

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Abstract:

The Directive 2013/59/Euratom has introduced binding requirements for the management of radon at the workplace in Europe. How does it work in practice? In 2021, the European ALARA Network (EAN) created the working group ALARA for Radon at the Workplace (A-RAW), with the objective to investigate practical experiences via the collection of case-studies. A survey was design to detail the national regulations for the control of radon and to describe case studies showing the implementation. The analysis of the answers received from 7 countries will be presented. A highlight will be given to the feedbacks of selected cases studies, namely operational remediation in a classical office and in a heritage site, to inform about practical experience, good practices but also difficulties on how to obtain economically efficient and permanent reduction of exposure, which can challenge the remediation process and the ALARA (optimization) principle.

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