

# **RADON LEVELS IN OSLO SCHOOLS**

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Radon measurements using passive CR-39 detectors have been conducted in all schools in Oslo municipality during winter 2003/2004. Results are presented and discussed in the light of qualitative and quantitative factors, some of which are specific for schools as workplaces. Analysis is conducted with respect to factors relating to building construction type, ventilation principle, age of building, building size etc.

The influence of ventilation type on radon levels is studied, and problems of investigations based purely on conventional passive radon detectors are noted. Over-estimation of radon concentration by passive detectors and day-night variations of indoor radon levels in buildings with mechanical ventilation systems are discussed. Several guiding principles for planning similar investigations based on above discussions are outlined.