



Health Protection Agency

Radon Studies Group

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Report of Radon Measurement

For: Mr K Robinson
The University of Manchester - RSU
7th Floor, Williamson Building
Oxford Road, Manchester
M13 9PL

Subject: Measurement of radon-222 concentrations

Date of report: 21 September 2010

The concentrations of radon-222 at the locations given on the attached sheets were measured with HPA-RPD radon gas passive monitors. The cumulative exposures recorded by the monitors were converted to concentrations averaged over the exposure time. Background corrections and calibration factors were obtained from control monitors kept at HPA-RPD.

The table shows the average radon gas concentration at each location in units of becquerels per cubic metre of air (Bq m^{-3}). The random uncertainties in the measurement are estimated to be 15%.

Jane Smithard
Radon Studies Group



INVESTOR IN PEOPLE



HPA Radiation Protection Division, formerly
the National Radiological Protection Board

Report of Radon Measurements

Customer The University of Manchester - RSU

Measurement site The University of Manchester - RSU
7th Floor, Williamson Building
Oxford Road, Manchester
M13 9PL

HPA Ref 1419880

Detno	Position	Date placed	Date removed	Radon gas concentration, Bq m ⁻³	
				Measured	Winter corrected
08133306	Development Corridor - Far End	27/05/2010	01/09/2010	20	43
08133318	Development Corridor - Near End	27/05/2010	01/09/2010	22	48
08133349	J. Goh Room 1-39 Noticeboard	27/05/2010	01/09/2010	15	32
08133312	J. Goh Room 1-39 Right Hand Side	27/05/2010	01/09/2010	14	30
08133309	Professor E Lievan Room 1-38	27/05/2010	01/09/2010	47	100
08133330	RSU Technician's Office	27/05/2010	01/09/2010	20	43

Centre for Radiation, Chemical and
Environmental Hazards



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Your Ref: AHH691589

Our Ref: 1419880/OCCRESL

21 September 2010

Dear Mr Robinson

Report of Radon Measurements

Please find enclosed the Report of Radon Measurements giving the results of the radon gas measurements taken with passive monitors.

The Ionising Radiations Regulations 1999 are normally applied when the average radon gas concentration in any area, when measured with a passive monitor over a three-month period in the winter, exceeds 400 Bq m^{-3} (becquerels per cubic metre of air). When measurements are taken at other times of the year, seasonal corrections can be used to determine whether the Regulations should be applied.

The enclosed results indicate that the Regulations are unlikely to apply in these areas, with respect to radon. Consequently, there is no need for radon controls.

Yours sincerely

A handwritten signature in dark ink, appearing to read "J Smithard".

J Smithard (Mrs)

Enclosure

radon
Don't live with the risk