

**Centre for Radiation, Chemical and
Environmental Hazards**



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Health Protection Agency
Radiation Protection
Division
Radon Studies Group
Chilton, Didcot
Oxfordshire OX11 0RQ
Tel: 01235-822622
email: radon@hpa.org.uk
www.hpa.org.uk/radiation

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

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

Date of report: 03 April 2008

The concentrations of radon-222 at the locations given on the attached sheet 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



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

Detno	Position	Date placed	Date removed	Radon gas conc Bq m ⁻³	
				As measured	Winter estimate
03234926	Barnes Wallis Bldg. Bment Near Plant Room	27/11/2007	05/03/2008	30	40
03234978	Beyer Bldg B006 Plant Room	27/11/2007	05/03/2008	20	20
03234944	Chemistry Bldg. Corridor Near Room B18	27/11/2007	05/03/2008	20	30
03234920	Christie Bldg. TIS's Office	27/11/2007	05/03/2008	90	100
03234969	Coupland 3 Bldg. Near Old Waste Store	27/11/2007	05/03/2008	30	40
03234932	Coupland 3 Link Bldg. SCs Offices	27/11/2007	05/03/2008	30	30
03234941	Dental School Near Room B15	27/11/2007	05/03/2008	40	40
03234912	Doctor L.G Domestic Dwelling	27/11/2007	05/03/2008	80	90
03234995	Dover Street Building Room BS4	27/11/2007	05/03/2008	50	60
03234905	Faraday Tower Service Tunnel	27/11/2007	05/03/2008	30	40
03234934	Faraday Tower Sub-basement Stairwell	27/11/2007	05/03/2008	20	30
03234958	Faraday Undergraduate Bldg. Basement Corridor	27/11/2007	05/03/2008	10	10
03234943	Ferranti Bldg. Basement Corridor	27/11/2007	05/03/2008	30	30
03234951	George Begg Bldg. Student Lab. Basement	27/11/2007	05/03/2008	20	20
03234991	George Begg Bldg. Sub Basement Plant Room	27/11/2007	05/03/2008	20	30
03234983	Grove House Basement Cleaners Area	27/11/2007	05/03/2008	20	30
03234917	H.&S. Waterloo Place Cellar Records Rm.	27/11/2007	05/03/2008	70	80
03234965	Humanities Bldg. Bridgeford Street Corridor	27/11/2007	05/03/2008	30	30
03234933	Jacksons Mill Room A-11	27/11/2007	05/03/2008	20	20
03234998	John Owens Bldg. LG006F Plant Room	27/11/2007	05/03/2008	30	40
03234957	John Rylands Library (Main Campus) B4	27/11/2007	05/03/2008	20	20
03234962	John Rylands Library (Main Campus) Red Corridor	27/11/2007	05/03/2008	10	20
03234952	John Rylands Library-Deansgate Cellar Corridor	27/11/2007	05/03/2008	40	40

03 April 2008

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Customer		The University of Manchester - RSU			
03234961	John Rylands Library-Deansgate Lower Basement	27/11/2007	05/03/2008	40	50
03234989	Manchester Business School Near Plant Room	27/11/2007	05/03/2008	20	30
03234910	Material Science Centre Corridor	27/11/2007	05/03/2008	30	40
03234942	Material Science Centre Room A9 SEM Fac.	27/11/2007	05/03/2008	20	20
03234982	Maths & Social Science Bldg Plant Room	27/11/2007	05/03/2008	20	20
03234980	MIB Bldg-Room LG035	27/11/2007	05/03/2008	< 10	< 10
03234985	Moffat Bldg Basement Corridor Near A114	27/11/2007	05/03/2008	30	30
03234902	Odd Fellows Hall Basement	27/11/2007	05/03/2008	70	80
03234908	Pariser Bldg. Basement Corridor Near A4	27/11/2007	05/03/2008	20	30
03234914	Radiation Safety Unit Office	27/11/2007	05/03/2008	40	50
03234904	Sackville Street Bldg, Engineering Sub-Basement	27/11/2007	05/03/2008	60	70
03234973	Sackville Street Main Bldg, Lower Basement	27/11/2007	05/03/2008	20	20
03234972	Sackville Street Main Building A35	27/11/2007	05/03/2008	40	50
03234996	Samuel Alexander Bldg. N/E Corridor	27/11/2007	05/03/2008	20	20
03234937	Samuel Alexander Bldg. Near A28	27/11/2007	05/03/2008	20	20
03234981	Schuster Bldg. B15 Research Workshop	27/11/2007	05/03/2008	20	20
03234925	Simon Bldg. Corridor Near Room B33	27/11/2007	05/03/2008	50	50
03234921	Stopford Bldg. Estates Workshop	27/11/2007	05/03/2008	20	20
03234960	Student Union Hair Dressers Salon	27/11/2007	05/03/2008	20	30
03234903	Whitworth Art Gallery Central Basement	27/11/2007	05/03/2008	50	60
03234963	William Kay House Cellars	27/11/2007	05/03/2008	70	70
03234909	Williamson Bldg. Basement corridor	27/11/2007	05/03/2008	30	30
03234928	Williamson Bldg. S-C's Office	27/11/2007	05/03/2008	20	20
03234994	Zochonis Bldg. Psychology Corridor	27/11/2007	05/03/2008	30	30

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