



University of  
St Andrews

## **Radiation Local Rules & Site-Specific Information**

Site Name: School of Psychology and Neuroscience, Bute Building

<b>Document type</b>	<b>Policy</b>
<b>Scope (applies to)</b>	Staff and students
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<b>Approver</b>	Head of EHSS
<b>Document owner</b>	URPO
<b>School / unit</b>	Environmental Health and Safety Services
<b>Document status</b>	Published
<b>Information classification</b>	Public
<b>Equality impact assessment</b>	None
<b>Key terms</b>	Health and safety/Hazard identification and risk assessment
<b>Purpose</b>	Compliance with Ionising Radiations Regulations 2017 legislation



## Radiation Local Rules & Site-Specific Information

Site Name: School of Psychology and Neurosciences

*This document constitutes the Local Rules under Regulation 18 of the Ionising Radiations Regulations 2017 (IRR17) for the above site and must always be kept up to date. The contents of this document and its references must be brought to the attention of all personnel affected by them.*

### Site Appointees – Radiation Protection Supervisors (RPSs)

The RPSs appointed under the IRR17 have roles including the responsibility for ensuring that St. Andrews University complies with these Local Rules and the associated Radiation Work Instructions as identified in Work Instruction 1 (WI 1)

Name	Date Training Completed	Date Next Refresher Due (At least every 3 years)
Professor Karen Spencer	9th Jan 2023	Jan 2026

### Radiation Protection Advisers

The Radiation Protection Advisers employed by Aberdeen Radiation Services act as RPAs to St. Andrews University. They can be contacted as below:

Working Hours: **01224 749784**  
**ARPS @aberdeenradiation.co.uk**

Outside working hours (emergency contact):  
**01224 518020**

### Radiation Protection Officer

The Radiation Protection Officer for St. Andrews University, Mr John Nicholson, is responsible for the routine advice regarding IRR17 and the implementation of these Local Rules. He can be contacted as below:

Working Hours: **01334 467228 or 07990 380160**  
Outside Working Hours: **01333 457228 or 07990 380160**

### Dose Investigation Level

The St. Andrews University whole-body effective dose investigation level is **0.5 mSv** in a calendar year or **0.5 mSv** in a two-month period.

Where workers are issued with finger TLDs the dose investigation level is **0.5 mSv** in any two-month wear period.

## Contingency Arrangements

Section 2.6 of the Work Instructions has identified the contingency arrangements for foreseeable incidents happening within the laboratories in this area. Emergency incident posters will be located in rooms where radioactive work is undertaken. There is only work with tritium in these laboratories at present. The detailed emergency arrangements can be found in the Work Instructions attached to this document

Description	Doc. Ref
Radiation Area Incidents due to Unsealed Radioactive Sources	Work Instruction 2.6.2
Contamination Monitoring	Work Instruction 6
Lost Sealed or Unsealed Source	Work Instruction 2.6.2 and Work Instruction 2.6.4

It is vital to maintain training for the response to such incidents are practiced. An annual training session will be arranged by the URPO.

## Written Arrangements for Non-Classified Workers

Please refer to the job specific Radiation Work Instructions; these set out the arrangements in place to restrict an exposure to ionising radiation, including the use of PPE and restrictions on the type of work, dose rates and the time spent in the area. All written arrangements must be approved by the RPA. If the arrangements are not adequately defined in the Radiation Work Instructions, contact the RPA to assist with the preparation of a suitable written arrangement.

## Controlled Radiation Areas:

Location: None

## Supervised Radiation Areas:

Location: Bute Building - Room E1

## Temporary Radioactive Waste Storage Areas

Location(s) used: Bute Building Room E1

The only radionuclide being used in this area is <sup>3</sup>H.

## Permanent Radioactive Waste Storage Area

Location: Radioactive waste store - The Scores, University of St Andrews, St Andrews, Fife  
Access Arrangements: Key available from University Radiation Protection Officer, Mr John Nicholson.

Telephone No.: Work 01334 467228 or 07990 380160

## Small (exempt) Source Store Locations

Test: Not applicable

Other: N/A

## Designated Areas – Supervised Areas

All areas where unsealed sources are manipulated. All other areas where the risk assessment identifies that a radiation dose of greater than 1 mSv but less than 6 mSv may be received in a year.

The maximum quantities of radionuclides which can be used in this area as a Radiation Supervised Area is:

	Storage Supervised Area (MBq)	Usage Supervised Area (MBq)
<b>Radionuclide</b>		
3H	1000	100

If higher quantities of radionuclides are required to be used and/or stored then the area will have to be redesignated as a 'Controlled Area'.

## Designated Areas – Controlled Areas

All areas where a dose rate in excess of 7.5 µSv/h exists or the risk assessment identifies that a dose of greater than 6 mSv per year may be received.

## Radiation Work Instructions

The following Radiation Work Instructions (RWI) and generic risk assessments apply at this site. These must be used in conjunction with the contents of the St. Andrews University Radiation Policy & Guidance Document (.....).


RWI No.	RWI Title (see .....)	Applies	IRR17- Risk Assessments which apply
<b>Management</b>			
01	Management of Work with Ionising Radiations at the University of St Andrews	<input checked="" type="checkbox"/>	
02	Radiation Area Incidents	<input checked="" type="checkbox"/>	
03	Radiation Record Keeping	<input checked="" type="checkbox"/>	
<b>Laboratory Radioactive Materials Operations</b>			
04	Handling unsealed radioactive solutions	<input checked="" type="checkbox"/>	IRR17-Risk Assessment No. 1 - Risk assessment for the consent for the deliberate addition of radioactive substances in the production of products
05	Radioactive Waste	<input checked="" type="checkbox"/>	
06	Contamination Monitoring	<input checked="" type="checkbox"/>	
07	Use of Unsealed radioactive sources for undergraduate work	<input type="checkbox"/>	
08	Use of small sealed sources for teaching	<input type="checkbox"/>	
09	Use of Radioactive Sources for Luminescence Dating	<input type="checkbox"/>	
<b>Sealed Sources and Radiation Generators</b>			
10	X-Ray Crystallographic Units	<input type="checkbox"/>	
<b>Geological Specimens</b>			
17	Radon	<input type="checkbox"/>	
18	Handling Specimens	<input type="checkbox"/>	
<b>Animal Experiments</b>			
19	Seal studies in pool	<input type="checkbox"/>	

Detailed additional project-specific risk assessments and written arrangements can be found on the relevant Radiation Protection Management Programme RadProt at URL: <https://portal.st-andrews.ac.uk/radprot/open/>

**Approved**

**Name** ..... Mr John Nicholson

**Position** ..... University Radiation Protection Officer and Health and Safety manager Sciences. Health and Safety Services, University of St Andrews.

**Signature**..... 

**Date** .... 24/08/2023

Version number	Purpose / changes	Document status	Author of changes, role and school / unit	Date
v1.0	New Document	Draft	Dr Paul Szawlowski	12/07/2021
V1,1	Change of URPO	Approved	Mr John Nicholson	24/08/2023