University of Cambridge
Accelerators Registration Form

Authorisation of certain practices, use of accelerators for the purpose of Research and Industrial Radiography (other than electron microscopes)

General information	
Department:	**Departmental Code:**
Location of equipment:	**RPS:**
Individual with day to day responsibility for the equipment:	**Post/Status:**

Technical Details
Make/Model of equipment:
Departmental identification number for equipment if applicable:
Maximum accelerating voltage of the equipment:

Section A **Complete this section where the equipment (work) is carried out in a room, purpose made structure or other enclosure.**		
Control Measure	Is this Measure in place	Details and explanation of the control measure. If a control measure is not in place, provide an explanation as to why not.
Adequate shielding as far as reasonably practical in place &		
Adequate interlock system OR,		
Trapped key system OR,		
Other safety device to prevent access to high dose areas. *Please specify the details of any additional safety device*		

Section B **In other cases:**		
Control Measure	Is this Measure in place	Details and explanation of the control measure. If a control measure is not in place, provide an explanation as to why not.
Adequate shielding as far as reasonably practicable:		
And in the case of Site Radiography Site radiography refers to unenclosed radiography in fieldwork, in other employers' premises or any areas accessible to people not directly involved in the work (staff or public, in the UK or abroad). Examples include: X ray analysis of a painting which cannot be moved from a museum gallery; radiography of an animal outdoors.		
Persons other than those directly involved excluded from the area by means of a barrier or other suitable means:		
If employees of another employer are present, formal arrangements for co-operation and co-ordination between employers in order to restrict access:		

Warning notices at the perimeter of any controlled area:		
A monitoring program to establish that controlled areas have been properly designated:		

Section C **Activated Substances:**		
Control Measure	Is this Measure in place	Details and explanation of the control measure. If a control measure is not in place, provide an explanation as to why not.
The means to minimise exposure as far as reasonably practicable, from substances that have been activated by the accelerator		

Section D **Adventitious Radiation:**		
Control Measure	Is this Measure in place	Result of assessment
A suitable assessment of the hazards arising from the production of adventitious radiation		

Section E **Where there is a risk of significant exposure arising from unauthorised or malicious operation:**		
Control Measure	Is this Measure in place	Details and explanation of the control measure. If a control measure is not in place, provide an explanation as to why not.
Locking off arrangements to prevent unauthorised or malicious use		

Section F **Initiation of exposures:**		
Control Measure	Is this Measure in place	Details and explanation of the control measure. If a control measure is not in place, provide an explanation as to why not.
Initiation to be key control or some equally effective means to prevent unintended or accidental exposure		

Section G **Warning devices:**		
Control Measure	Is this Measure in place	Details and explanation of the control measure. If a control measure is not in place, provide an explanation as to why not.
When the accelerator is preparing to emit radiation (x)		
When radiation is about to be emitted (y)		
When the emission is underway (z) – distinguishable from (y)		

Section H Protective Equipment:		
Control Measure	Is this Measure in place	Details and explanation of the control measure. If a control measure is not in place, provide an explanation as to why not.
Is adequate and suitable personal protective equipment provided		

Section I Maintenance and Testing of control measures:		
Control Measure	Is this Measure in place	Details and explanation of the arrangements
Arrangements for maintenance and testing of all the control measures selected		
Will ongoing maintenance and testing be performed by; The supplier, contractor or University of Cambridge Staff.		

Section J Configuration of safety devices referred to in Section A above:		
Control Measure	Is this Measure in place	Details and explanation of the configuration arrangements.
Exposure cannot commence whilst any relevant access door, hatch, cover or appropriate barrier is open or safety device is triggered		
Exposure is interrupted if the access door, hatch, cover or barrier is opened		
Exposure does not re-commence on the mere act of closing an access door, hatch, cover or barrier		

A risk assessment needs be undertaken prior to use of this equipment

Radiation Protection Supervisor (RPS) to complete

The information provided above accurately reflects the arrangements in place for this item of equipment.

Name: **Signature:** **Date:**

Return a copy of this form the University Safety Office, marked for attention of the University Radiation Protection Officer (RPO)

Radiation Protection Advisor (RPA) to Complete

Comments from RPA

Name: **Signature:** **Date:**