#### SCHEDULE 1

Regulation 15

ATOMIC ENERGY COUNCIL, P.O. Box 7044, Kampala.

TYPE OF AUTHORIZATION

Please tick



ATOMIC ENERGY FORM 2A (AEF 2A)

### THE ATOMIC ENERGY ACT, No. 24 of 2008

#### FORM 2A

# APPLICATION FOR AUTHORISATION TO POSSESS AND USE A SOURCE(S) FOR INDUSTRIAL APPLICATION

	New a	pplication		
	Renew	al of authorisation	n number:	
		(	GENERAL INFORMATIO	N
1.	Nam	e and address	of applicant:	
	Main address		Mailing address (if different)	Address of use (if different)
2.	Radi	ation Safety C	officer (RSO):	
	(a)	•		
	(b)	Oualification	n:	
	(c)	Experience:		
	. ,			

Name	Expertise	Qualifi	cation	Certific	cation	Experie	псе	Reg. No	E-m
Other class	sified work	ers tha	t will	be res	pons	ible for	the	e equipm	ent:
Name	Tit	le	Qualif	ication	Certi	fication	Ex	perience	E-ma
Proposed of		stallatio	on an	nd/or c	omm	nissionii	ng	of facili	ties a
Proposed of equipment:		stallatio	on an	ıd/or c	omm	issioni	ng	of facili	ties a
•		stallatio	on an	nd/or c	omm	issioni	ng	of facili	ties a
equipment:	: 'I—WELI	L LOG	GING	, POR	TAB	LE GA	UG	SING,	ties a
equipment:	:	L LOG	GING	, POR	TAB	LE GA	UG	SING,	ties a
PART DI	I—WELI ETECTIO	L LOGO N ANE	GING ANA	, POR ALYTI	TAB CAL	LE GA DEVI	UG CE	JING, S. used: (e	e.g. W
PART Dl Purpose of Logging, I	: I—WELI ETECTIO	L LOGO N AND ce or ra	GING O ANA adioac	G, POR ALYTI ctive n ection	TAB: CAL nateri	LE GA  DEVI  al will  Analyt	UG CE be	GING, S. used: (e	e.g. W

Telephone Number:\_\_\_\_\_E-mail:

Name and information about qualified experts:

(d)

(e)

3.

# (a) Equipment with sealed sources incorporated

Description:	Radionuclide	Maximum activity	Number
Manufacturer:			
Radiation type (alpha, beta, gamma, neutron):			
Model no. device: Source:			
Serial no. device:Source:			
Manufacturer:			
Radiation type (alpha, beta, gamma, neutron):			
Model no. device: Source:			
Serial no. device:Source:			

# (b) Neutron generators - accelerator

Manufacturer:	Model number	Serial number	Neutron energy	Target nuclide

### PART II - INDUSTRIAL RADIOGRAPHY

# 8. Details of Equipment

# (a) Sealed source radiographic devices

Manufacturer	Model Number	Source model number	Radionuclide	Source supplier	Maximum activity	Number of devices
(e.g. ABC Co.)	(e.g. Model A)	(e.g. Model B)	(e.g. 192 Ir)		(e.g. 2TBq)	(e.g. 8)

# (b) X-ray generators

# (c) accelerator

1	Manufacturer	Model Number	Serial Number	Type of radiation	Maximum energy (MeV)	Maximum current (mA)

### PART III - AN IRRADIATION FACILITY

			raki i	III - AI	N IKKA	ADIAII	ON FAC			
9.	Тур	e Sourc	Sources and Irradiator:							
		Elec	tron							
		Gam	ıma							
10.	For	gamma	a facilit	y, state	:					
	(a) Model/Type and identification number of irradiator									
	(b)	Nam ii. iii.		anufac	turer o	f the irr	radiator_ or			
	(c)	Deta	ils of ra	adioact	ive sou	ırce				
D I'			Number of	Sources		Total ac	tivity (Bq)		e Details	Storage
Kaaionu	існае	Per pencil	Per module	Per rack	Total	initial	At installation	Model No(s)	Description	(wet/dry)
Radionu	uclide	Per pencil	Per		Total		At	Model	I	1

# 11. For accelerator:

Name and address of Manufacturer	Model Number	Type of radiation	Maximum energy (MeV)	Voltage	Maximum current (mA)
6					

# PART IV - FACILITIES AND EQUIPMENT

12.		ion of equipment/Sources: le the details of the location of equipment/sources:							
	110010	ie the details of the location of equipment/sources.							
		Name of unit/department Building No.:Room No.:							
	(···)	Floor: (if applicable).							
		Plot No.: Town/street/ward District:							
	(1)	District.							
13.	Layou	at of the installation*							
		(a) Describe factors such as the layout of the facility and its safety systems including:							
		uilding materials, (ii) Alarm, (iii) Shielding, (iv)Engineering							
		ols (e.g. interlocks, warning safety devices, emergency stop button,							
		prevention of unauthorized personnel entering area, means of escape or							
	comm	communication from within enclosure etc.)							
	G . 1								
14.	Standa								
		te to which IEC and ISO standards does the equipment and es used for medical exposure conform:							
		ment:							
		rototype test certificates available:							
		Yes							
		No; if yes attach copies							
	Source	Sources:							
	Are so	Are source certificates available:							
		Yes							
		No: if yes attach original copies							

15.	Ident of the	rices and maintenance: ify who will be authorized to perform the service and maintenance e equipment: e:Authorization reference No:					
		nization:Address:					
		phone number:					
16.	Safet (i)	y assessments:  Taking into account of shielding, provide calculation of maximum dose rates in all adjacent areas outside the installation:					
	(ii)	Provide estimates of the magnitude of the expected doses to persons during normal operations:					
	(iii)	Identify the probability and magnitude of potential exposures arising from accidents or incidents:					
		*(Attach a layout drawing of the installation showing adjacent surroundings with controlled and supervised areas clearly identified).					
17.	Safety system:						
	(i)	Describe the overall safety system which will be used to ensure the safe operation of the irradiator (e.g. design features, defense in depth, layout). Further describe, in detail, the safety systems for preventing access to the irradiation room whilst the source is exposed and for warning of unsafe conditions (e.g. interlocks, installed monitors).					

 $\begin{tabular}{ll} (ii) & Attach the manufacturer's specifications of that system . \\ \end{tabular}$ 

	nal protective equipment: ribe any personal protective equipment that will be provided.
	PART V - RADIATION PROTECTION AND SAFETY PROGRAMME
Organ	nisational structure:
includ	ribe your organisational and management control systems, ding assignment of responsibilities and clear lines of authority d to radiation safety.
(i)	staffing levels
(ii) (iii)	equipment selection, other assignments of the radiation protection officer,
(iv)	authority of the radiation protection officer to stop unsafe operations,
(v)	personel training,
(vi)	maintenance of records,
(vii)	how problems affecting safety are identified and corrected.
(viii)	Other relevant information

Desc	rity and safety of radiation sources: cribe measures to be undertaken to ensure the security and safety of ation sources during:
trans	sport:
stora	ige:
	oactive waste management:  will the generated radioactive wastes be managed?
ноw (a)	
	Yes
	No; If yes attach a copy of the agreement; if no
(b)	How will it be managed in the country?
	rgency procedures: a emergency plan available?
	Yes
	No; If yes, attach the summary of the plan and related information e.g. organization, implementation etc.

23.	Occupational and public exposures control:					
	Describe your program for monitoring your work place (e.g. dose rate measurements, leak tests for Gamma facility),					
PART VI - DECLARATION						
I, (name) Certify that all information given herein is true and correct to the best of my knowledge.						
Date: Signature of applicant:						
		FOR OFFICIAL USE	ONLY			
Notifi	cation No:					
		Ву	Date	Signature		
Recei	ved:					
Evalu	ated:					
Gener	ral Remarks and/or nents:					