

Facility registration number	ration number Name of facility						Date of inspection (month, day, year)				
Machine number	Machine design ((use codes)	Location			Manufac	nufacturer (use codes)				
Date of manufacture (month, year)	Model number	Serial number									
, , ,											
		RADIATION SA	FETY SURVEY								
Name of qualified physicist who performed shi	elding calculations				Shielding do	cument s	submitted?				
The state of qualities projects the performed entitles greater and a state of the s				☐ Yes ☐ No							
Workload assumptions								100 🗀 110			
Workload assumptions											
Measurement set-up											
Date of radiation safety instrumentation / calib	ration (month, day,	year)									
Ţ	, , , ,	•									
		RESULTS OF RAI	DIATION SURVE	Y							
Location		11200210 01 101		mRen		Dam	mRem	mDom nor			
(Submit a facility layout indicating wh	mRem 0°	90°		Rem 80°	270°	mRem per week					
Console / Control Area											
Primary Barrier (90° Gantry Angle)											
Primary Barrier (270° Gantry Angle)											
Roof											
Door											
Secondary Barrier											
Secondary Barrier											
Secondary Barrier											
Secondary Barrier											
HVAC Ductwork											
Accessible Conduits											

DOSIMETRY SYSTEM AT FACILITY									
Manufacturer of cylindrical chamber	Model of cylindrical chamber		Date of ADCL calibration (month, day, year)						
Manufacturer of parallel plate chamber	Model of parallel plate chamber		Date of N gas derivation (month, day, year)						
Manufacturer of electrometer	Model of electrometer		Date of ADCL calibration (month, day, year)						
Date of aneroid barometer intercomparison (month, day, year)		Date of initial calibration (month, day, year)							
Calibration protocol									

QUALITY MANAGEMENT PROGRAM

Submit the following departmental quality assurance documents:

- Treatment planning computer and dose calculated algorithm QA procedures
 Weekly output constancy check policy and procedure

- Patient chart review policy and procedures
- Monthly output spot check procedure

- * The qualified radiation oncology physicist shall specify tolerance values based upon accelerator manufacture specifications and the most recent published standards. Corrective action is required for measured data that exceeds the stated tolerance.

 ** Energy (bending magnet current), flatness, symmetry, temperature and compensation, et cetera.

 *** Target slide or scattering foil, dose chamber slide, dose rate, et cetera.

	EACH ITY D	-01115	C * *	ENITO									
FACILITY REQUIREMENT										nlicable			
Warning Light at Entrance to Accelerator Room Operational					Saus	FIACE	ory	Unsaus	Unsatisfactory		Not Applicable		
Warning Light at Entrance to Accelerator Ro					Ш		L						
	ACCELERATOR	DEOL	ш	EMEN	TC								
ACCELERATOR				EIVIEN	Satis	fact	orv	Unsatis	efac	rtory N	Not Applicable		
Absorbed Dose due to Leakage Radiation in the Patient Plane					Jaux		OI y	Olisatis		tory N	эг др	piicabie	
Transmission Through Collimators						H		<u> </u>	┿				
Removable Wedges Clearly Identified						 		<u> </u>	┽				
X-ray Contamination of Electrons Beams						+		<u> </u>	┿		Г	_	
Absorbed Dose at the Surface						<u>H</u>		<u> </u>	┿				
						<u> Ц</u>		L					
Dose Monitoring System:	4 -1			_		_			—				
Incorporated into two independent						<u>Н</u>		<u> </u>	┽				
Monitor units displayed in the eve						片.		<u> </u>	╪				
A symmetry of beam monitored a						<u>Ц</u>		<u> </u>	ᆂ				
Secondary dose monitoring syste						<u> </u>		<u> </u>	<u></u>				
Timer terminates irradiation if dos	se monitoring systems fail					Ц.		<u> </u>	<u></u>		_	_	
Selection of Radiation Mode						<u>Ц</u>		<u> </u>	<u>_</u>		<u></u> _		
Selection of Energy						<u>Ш</u>		L	<u>_</u>				
Selection of Fixed or Rotational Mode									<u></u>				
	MECHANICAI	- PAR	AM	ETERS				_					
		Satis	sfac	ctory	Unsa	tisfa	ctory			Tolerance	k		
Gantry Rotation Isocenter													
Collimator Rotation Isocenter													
Table (Couch) Rotation Isocenter													
Field Size Readouts													
Gantry Angle Readouts													
Collimator Angle Indicator													
Optical Distance Indicator (ODI) Accuracy and Linearity													
Light / Radiation Field Congruency													
Laser Alignment System Accuracy			$\overline{\Box}$			П							
Emergency Off Switches		Оре	erat	tional?		Γ	Yes	;	Т	No			
Door Interlock				Operational?			Yes	Yes No					
Dosimetry Interlocks **				Operational?				Yes No					
Safety Interlocks ***				Operational?			Yes		卞	No			
Audio Communications System				Operational? Yes				卞	No				
Visual Monitor System			Operational? Yes				卞	No					
,								<u> </u>					
	PHOTON BEA	M PAR	RAN	METER	S								
											То	lerance *	
Nominal Energy (MV)													
Ionization Ratio													
Flatness	☐Satisfactory ☐Unsatisfactory	∏Sat	tisfa	ctory [Unsatis	facto	rv F	Satisfactory	Пι	Insatisfactory			
Symmetry					□Unsatisfactory			☐Satisfactory ☐Unsatisfactory					
Field Size Factors	□Satisfactory □Unsatisfactory	□Satisfactory □Unsatisfactory				☐Satisfactory ☐Unsatisfactory							
PDD / TPR Values	□Satisfactory □Unsatisfactory	□Satisfactory □Unsatisfactory				☐Satisfactory ☐Unsatisfactory							
Output / MU Reproducibility	□Satisfactory □Unsatisfactory	□Satisfactory □Unsatisfactory				☐Satisfactory ☐Unsatisfactor							
Monitor Chamber Linearity	□Satisfactory □Unsatisfactory	□Satisfactory □Unsatisfactor						Insatisfactory					
Wedge / Compensator Transmission Factors	□Satisfactory □Unsatisfactory	□Satisfactory □Unsatisfactory				☐Satisfactory ☐Unsatisfactor							
Tray / Custom Block Transmission Factors	☐Satisfactory ☐Unsatisfactory				Unsatis]Satisfactory		-			
Open Field Isodose Lines (central axis)	☐Satisfactory ☐Unsatisfactory				Unsatis]Satisfactory		-			
Wedge Isodose Lines (central axis)	☐Satisfactory ☐Unsatisfactory				Unsatis			Satisfactory					
Output Calibration	☐ Yes ☐ No			Yes	□ No)		☐ Yes	5	☐ No	Pί	erformed	
Canatanay Chaok Davisa Calibration			$\overline{}$	7 V00				□ Voc	$\overline{}$	ПМо	D	orformed	

	FLECTRON BE	AM PARAMETERS		
		THE THE THE TENT		Tolerance *
Nominal Energy (MeV)				
Mean Incident Energy				
Flatness (Cone Size)	☐Satisfactory ☐Unsatisfactory	☐Satisfactory ☐Unsatisfactory	☐Satisfactory ☐Unsatisfactory	
Symmetry	□Satisfactory □Unsatisfactory	□Satisfactory □Unsatisfactory	□Satisfactory □Unsatisfactory	
Output / MU Reproducibility	□Satisfactory □Unsatisfactory	□Satisfactory □Unsatisfactory	□Satisfactory □Unsatisfactory	
Output Calibration	Yes No	Yes No	Yes No	Performed
Constancy Check Device Calibration	☐ Yes ☐ No	Yes No	Yes No	Performed
	ELECTRON BE	AM PARAMETERS		
				Tolerance *
Nominal Energy (MeV)				
Mean Incident Energy				
Flatness (Cone Size)	☐Satisfactory ☐Unsatisfactory	☐Satisfactory ☐Unsatisfactory	☐Satisfactory ☐Unsatisfactory	
Symmetry	□Satisfactory □Unsatisfactory	□Satisfactory □Unsatisfactory	□Satisfactory □Unsatisfactory	
Output / MU Reproducibility	□Satisfactory □Unsatisfactory	☐Satisfactory ☐Unsatisfactory	□Satisfactory □Unsatisfactory	
Output Calibration	Yes No	Yes No	Yes No	Performed
Constancy Check Device Calibration	☐ Yes ☐ No	☐ Yes ☐ No	Yes No	Performed
Constancy Check Device Cambration			163 110	1 chomica
	ELECTRON BE	AM PARAMETERS		
				Tolerance *
Nominal Energy (MeV)				Toloranoo
Mean Incident Energy				
Flatness (Cone Size)	☐Satisfactory ☐Unsatisfactory	☐Satisfactory ☐Unsatisfactory	☐Satisfactory ☐Unsatisfactory	
Symmetry	□Satisfactory □Unsatisfactory	□Satisfactory □Unsatisfactory	□Satisfactory □Unsatisfactory	
Output / MU Reproducibility	□Satisfactory □Unsatisfactory	□Satisfactory □Unsatisfactory	□Satisfactory □Unsatisfactory	
Output Calibration	Yes No	Yes No	Yes No	Performed
Constancy Check Device Calibration	☐ Yes ☐ No	Yes No	Yes No	Performed
Signature of physicist Printed name of physicist			Date (month, day, year) Physicist number	
			,	

* The qualified radiation oncology physicist shall specify tolerance values based upon accelerator manufacture specifications and the most recent published standards. Corrective action is required for measured data that exceeds the stated tolerance.