DIAGNOSTIC X-RAY SURVEY:
ANNUAL RADIATION SURVEY

Radiography Room
Report No

Report Date:

DIAGNOSTIC X-RAY SURVEY:
RADIATION SAFETY AND PERFORMANCE OF G.P. X-RAY UNIT

Hospital or Clinic:			
Report No:		Report Date:	
Last Report No:		Survey Date:	
RPA		Date of Last Survey:	
Location:		Date of Next Survey:	
RPS			

Reason for Visit:

Equipment:

Description:			
Manufacturer:		Tube Type:	
Generator Type:		Tube S/N:	
Generator S/N:		Focal Spot(s)	
Image Intensifier:		TV Camera:	

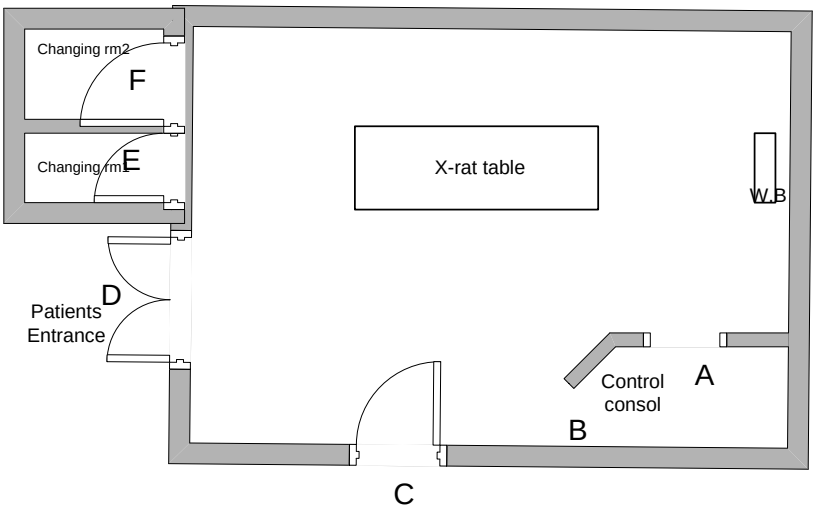
Key to Notes:

GOOD:	G		UNKNOWN:	UK	
ACCEPTABLE:	A		NOT APPLICABLE:	NA	
				AN	Note
UNACCEPTABLE:	U	Note No	ACCEPTABLE + ADDED NOTE:	No	
COMMENT:	C	Note No	NOT TESTED:	NT	

A. Radiation Protection Checklist

	Note
1. Warning Signs:	
a. Mains On	
b. X-rays On	
c. Entrances	
2. Tube Markings:	
a. Filtration	
b. Focal Spot	
3. Exposure Switch	
4. kV and mA Meters:	
5. Room Radiation Protection Visual Inspection:	
6. View of Patient and Entrances:	
7. Protective Clothing and Adequate Protection from Scatter:	
8. Key Operated Switch:	
9. Image Intensifier and X-ray tube Interlocked:	
10. Record of Screening Times:	
11. Automatic Method of Measuring Patient Dose, e.g. DAP Meter:	
12. Local Rules:	

Room Layout:



Results of the survey: Table (1)

Position	kV	mAs	Dose-Rate (mR/h)IDR	Note

Comments Arising From Survey

GENERAL:

Scattered radiation was measured at a number of points inside and outside the X-ray room. The result is produced in Table (1) the scatter radiation was generated by Perspex phantom 30x30 with 20 cm thickness. Measurements were made using a Radcal 2026C electrometer with a Radcal 20x6 -1800 ionization chamber. The 2026C and 1800 cc chamber have a calibration, through the John Perry Radiation Metrology Laboratory (JPL) at St George's Hospital, UK. and traceable to the

German National Standards Laboratory for air kerma measurements. Unless stated otherwise the height of the ionization chamber was set to coincide with the middle of the scattering material.
Conditions were chosen to maximize the amount of scattered radiation produced. Exposure factors were: 80 kV, 10 mAs.

Recommendations Arising From Survey:

Signed

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Jaffar Mattar
Radiation Protection Consultant