



Michigan Department of Licensing and Regulatory Affairs
Radiation Safety Section



Dosimetry for Bone Densitometry X-ray Machines

Type of Machine	Policy	Rationale
Bone densitometry equipment	A dosimeter is not required. Facilities using these units should ensure that the operator remains at least one meter from the bone densitometer and patient while x-rays are being produced.	Only low levels of scatter radiation are detectable in the vicinity of bone densitometer machines. R 333.5064 requires that individuals likely to exceed 10% of the annual occupational limit shall be provided with dosimeters to monitor their radiation exposure. Our experience surveying these units indicates the exposure to the operator is not likely to exceed 10% of the annual occupational limit. Studies performed by other radiation protection agencies confirm this finding.