

Sample Annual Audit for Medical X-ray Registrants 6/27/2022

Chapter 4732.0540 requires the registrant to ensure that the quality assurance program, its content, and implementation are reviewed annually for compliance with the rule. The registrant must ensure that all radiation program audits are performed according to procedures established by the registrant or radiation safety officer. Any noncompliance issues found during the audit must be corrected and documented. The radiation safety officer must review any corrective actions taken.

The following page contains an example of a checklist that could be used for a facility's audit. The facility may have existing forms, a way to retrieve the information electronically or would prefer computer generated forms. These are all acceptable, provided the information is complete and available at the time of inspection. The sample program audit below may not be complete for all facilities and may include items that are not applicable to all facilities. Each facility should create a site-specific audit form.

Audit History

Audit Item	Rule Part	N/A	Yes	No
Date of the previous audit:				
Were previous audits conducted annually?	4732.0540			
Are records of previous audits maintained?	4732.0540			
Deficiencies identified?	4732.0540			
Were the deficiencies corrected?	4732.0540			

Organization and Scope of Program

Audit Item	Rule Part	N/A	Yes	No
Is the Radiation Safety Officer identified?	4732.0500			
1. Does the RSO meet MDH training requirements?	4732.0500			
2. Is RSO fulfilling all duties?	4732.0500			
3. Is the written agreement in place for the RSO?	4732.0500			
4. All x-ray equipment registered with the MDH?	4732.0200			
5. Changes in program since the last audit?	4732.0520			
6. RSO established/reviewed retake and reject analysis	4732.0535			
All equipment registered with MDH	4732.0200			
MDH notified of new/removed equipment	4732.0200			
Shielding plans submitted for remodel or new construction?	4732.0360			
Shielding placard posted if constructed or remodeled after 11/2007?	4732.0360			

Operating and Emergency Procedures

Audit Item	Rule Part	N/A	Yes	No
Quality assurance manual established?	4732.0520			
Radiation safety policies and procedures current?	4732.0520			
ALARA program?	4732.0530			
Repeat/Reject analysis polices/procedures in place?	4732.0535			
Technique charts completed and near the x-ray control?	4732.0550			
Patient/Image receptor holding policy in place?	4732.0510			
Declared pregnant procedures in place?	4732.0415			
Patient utilization logs are maintained and complete?	4732.0545			

Quality Control Procedures

Audit Item	Rule Part	N/A	Yes	No
Equipment evaluations performed?	4732.1100			
Service provider recommendations evaluated?	4732.0700			
Processor quality control tests performed?	4732.0555			
Darkroom quality controls tests performed?	4732.0555			
Repeat rate calculated and reasons for rejections reviewed?	4732.0535			
Lead aprons, gloves and thyroid shield integrity performed?	4732.0550			
Screen speed and contact tests performed?	4732.1100			
All quality control tests performed at the required frequency?	4732.1100			
Digital manufacturer's quality control procedures followed?	4732.1100			
Have all records been maintained?	4732.0330			

X-ray Operator Qualifications

Audit Item	Rule Part	N/A	Yes	No
X-ray operators qualified to perform examinations?	4732.0570			
Limited Scope X-ray Operators performing only those examinations within the modules passed?	4732.0570			
Students/Externs in an approved course?	4732.0590			
 Performing only those examinations within the scope of training? 	4732.0590			

X-ray Operator Training

Audit Item	Rule Part	N/A	Yes	No
X-ray operators received initial training?	4732.0510			
Training program implemented?	4732.0510			
1. Operating procedures?	4732.0510			
2. Emergency procedures?	4732.0510			
3. Fluoroscopic specific training performed?	4732.0825			
4. CT specific training performed?	4732.0860			
Training for changes in program? (New equipment, image receptors)	4732.0510			

Individual Monitoring Device

Audit Item	Rule Part	N/A	Yes	No
Are individual monitoring devices in use?	4732.0440			
Individual monitoring evaluation performed?	4732.0440			
New employee individual monitor (dosimeter records) history collected?	4732.0440			
Users notified in writing of annual exposure?	4732.0440			
Users notified of total dose upon termination?	4732.0440			
Dosimetry reports reviewed quarterly by the RSO?	4732.0440			
Reports maintained for 30 years?	4732.0440			
Is the monitoring worn in the proper locations?	4732.0440			
Corrective and Preventive Actions				
Corrective and Preventive Actions				
Corrective and Preventive Actions				
Corrective and Preventive Actions				
Corrective and Preventive Actions				
Corrective and Preventive Actions				
Corrective and Preventive Actions				
Corrective and Preventive Actions				

Audit Conducted By	
Signature	Date
Title	

Minnesota Department of Health Radiation Control, X-ray Unit PO Box 64975 St. Paul, MN 55164-0975 651-201-4545 health.xray@state.mn.us www.health.state.mn.us/xray

06/27/22

To obtain this information in a different format, call: 651-201-4545.