

GUIDE TO THE BASIC X-RAY REQUIREMENTS

Of the Arkansas Rules and Regulations for Control of Sources of Ionizing Radiation which apply to your X-ray Program

- (1) **A copy of Arkansas Rules and Regulations**
shall be maintained at each facility performing X-ray Procedures **RH2802.a.1**
- (2) **Operating Safety Procedures including holding of Patients during X-ray Examination**
safety procedures shall be provided to all operators of equipment **RH1602.a.4**
required safety procedures to be implemented when auxiliary support needed **RH1602.a.8.B**
- (3) **For Each X-ray Unit:**
- Tube Rating Charts and Cooling Curves**
Posted near X-Ray unit, may be obtained from manufacturer or installer **RH1602.a.12.D**
- Scale Room Drawing**
Maintained in the department **RH1602.a.12.F**
- Technique Chart for Exams**
Posted near control panel **RH1602.a.3**
- Patient Log Sheet**
To include all required information **RH1602.a.13**
- (4) **Posting of Area**
- "Caution Radiation Area"** **RH1303.b**
where 5 mR/hr in 5 consecutive working days is accessible
- "High Radiation Area"** **RH1303.c.1**
where 100 mR/hr is accessible
- (5) **X-Ray System Requirements**
- Deadman Type Exposure Switch** **RH1604.b.3.B.i.(a)**
- Multiple Tube Head Indicator** **RH1602.b.6**
- Warning Label** **RH1602.b.1**
To be placed on control panel
- (6) **Notice to Employees** **ADH Form RH-11** **RH2802.c**
Posted in employee area
- (7) **Personnel Monitoring**
- Required-** for any individual likely to receive 10% of maximum annual limit (5rem) **RH1302.a.1**
- High Radiation Area-** any individual entering a high or very high radiation area **RH1302.a.**
- Minors/Pregnant workers-** see the following regulations... **RH1302.a.2.3 RH1206 RH1207**

Annual Notification-

to all monitored workers

RH2804.a and b

(8) Patient/Personnel Shielding Requirements

Gonadal Shielding

RH1602.a.6

Required for patients unless shielding interferes with area to be viewed

Lead Aprons

RH1602.a.5.B and C

Whole body protection to non-patient individuals in the exam room

SPECIFIC TO DENTAL FACILITIES

(1) Diameter of Useful Beam

(2) Length of Cone or Spacer

(3) Deadman Switch

(4) Radiation Protection

Protective Barrier

Operator

Stationary Tube

Holding of Tube Head

Holding of Film or Patient

SPECIFIC TO VETERINARY FACILITIES

(1) Operator

RH1609.c.2

should stand out of the useful beam by at least 9 feet

(2) Holding of Film or Animals

RH1609.c.3

No individual should be required to hold animals or film during exposures.

If this is necessary, lead aprons and gloves will be utilized and these individuals shall have individual personal monitoring.