



DEPARTMENT OF HEALTH AND HUMAN SERVICES DIVISION OF HEALTH SERVICE REGULATION

ROY COOPER
GOVERNOR

MANDY COHEN, MD, MPH
SECRETARY

MARK PAYNE
DIRECTOR

February 14, 2018

Major Becky Cauthran – Assistant Jail Administrator
Gaston County Sheriff's Office
425 Cr. Martin Luther King Jr. Way
Gastonia, NC 28052

An exemption is granted to Gaston County Sheriff's Office located at 425 Dr. Martin Luther King Jr. Way, Gastonia, NC 28052 based on **10A NCAC 15 .0603(a)(1)(G)**, which prohibits use of radiation on individuals for non-healing arts purposes. This exemption allows registration and use of the Virtual Imaging-Canon RadPRO SecurPASS. The RGD must be registered with this agency within 30 days following initial operation of the facility and each radiation machine.

Conditions of Exemption:

To maintain registration for authorized use, the system must be used in accordance with **Class A General-use Systems** contained in the American National Standard ANSI/HPS N43.17-2009 (ANSI). These standards include but are not limited to the following:

Dose Limitation for General-use Systems per ANSI Section 6:

- Individuals screened using transmission systems should be positioned facing away from the source of radiation; and
- Under maximum operating parameters, the reference effective dose shall not exceed 0.25 μSv (25 μrem) per screening. Refer to the required surveys for reference effective dose; and
- The reference effective dose received by individuals from a registrant shall not exceed 250 μSv (25 mrem) over a 12-month period; and
- Dose to Bystanders, Operators, and Other employees shall not exceed the dose equivalent requirements listed; and
- A inspection zone shall be established around the screening system where bystanders are prohibited during operation; and
- The inspection zone shall not exceed 20 μSv (2 mrem) in any 1 hour. ***Inspection zone should be visibly marked and controlled;*** and
- The operator is required to maintain full visual surveillance of the inspection zone.

System and Manufacturing Requirements for General-use Systems per ANSI Section 7:

- System and manufacturing requirements of Section 7 (excluding 7.2.3, 7.2.4, and 7.2.5) must be met.

Operating Requirements for General-use Systems per ANSI Section 8:

- A person shall be designated to ensure compliance; and
- Documented procedures for operating the system per ANSI 8.1.3; and
- Information made available to screening subjects must meet the minimum requirement per ANSI 8.1.4; and
- All personnel associated with the operation of the system shall receive appropriate training in operation of the system. The training must include the requirement per ANSI 8.1.5; and
- The manufacturer's maintenance schedule must be followed; and
- Radiation surveys shall be conducted to verify compliance per ANSI 8.1.2 and 8.1.7; and
- Surveys shall be performed:
 - (1) Upon installation
 - (2) At least once every 12 months
 - (3) After any maintenance that affects the radiation shielding, shutter mechanism, or x-ray production components
 - (4) After any incident that may have damaged the system in such a way that unintended radiation emission occurs; and

RADIATION PROTECTION SECTION

WWW.NCRADIATION.NET

TEL 919-814-2250

LOCATION: 5505 CREEDMOOR RD • RALEIGH, NC 27612

MAILING ADDRESS: 1645 MAIL SERVICE CENTER • RALEIGH, NC 27699-1600

AN EQUAL OPPORTUNITY / AFFIRMATIVE ACTION EMPLOYER



- Records and Documentation requirements per ANSI 8.1.9 and maintained for agency review

Additional Conditions:

- An individual responsible for radiation protection must be designated; and
- Operators must be trained in principles of radiation protections and maintain documentation for agency review; and
- Initial operator training must be unit specific and maintained for agency review; and
- Annual refresher training documentation must be maintained for agency review; and
- Individual monitoring must be provided to operators; and
- Policy and Procedures must address how an individual's scans or reference effective dose is tracked; and
- Records shall be maintained and available for review to show no more than 1000 scans for 1 individual over a 12-month period; or the reference effective dose multiplied by the number of screenings does not exceed 250 μSv (25 mrem) over a 12-month period per individual; and
- Records of repeat scans and equipment problems must be documented and available for review; and
- System installation and maintenance must be performed by a registered service provider; and
- Screening of staff for training purposes is prohibited; and
- The following population shall not be scanned:
 - ✱ Pregnant individuals
 - ✱ Staff
 - ✱ Minors

This exemption will be rendered invalid if the system is used in a manner that is not consistent with these conditions, in accordance with the ANSI standard, or any applicable state regulation. These exemptions will not apply once Rules are enacted for security screening machines. Exemptions are not transferrable and are location specific.

Sincerely,



Regina Kissinger
Radiology Compliance Branch
Radiation Protection Section
regina.kissinger@dhhs.nc.gov
919-814-2335