

SHIELDED ROOM RADIOGRAPHY EVALUATION FORM

(A FACILITY FORM IS NOT REQUIRED WHEN COMPLETING THIS FORM)

Facility _____ Date Surveyed _____

Registration number _____ - _____ Room number _____ Control number _____ Inspector _____

Address (multiple facilities) _____ Person Interviewed _____

Tubehead manufacturer and serial no. _____

Control panel manufacturer and serial no. _____

Unit in Storage

Circle Y for yes (compliant), N for no (noncompliant) and N/A for not applicable. (All reg references preceded by 0400-20-)
Y N N/A

1. Copy of registration form available for this unit. (04-.11(1)(d))
2. Is the information on the registration form for this unit accurate as to address, ownership, possessor and location? (10-.24(5))
3. Are all of the units registered under this registration possessed by the registrant? (10-.24(5))
4. Are all of the units possessed at this facility registered? (10-.24(1))
5. Regulations present. (04-.11(1)(a))
6. "Notice To Employees" [RHS 8-3] posted. (04-.11(1)(g))
7. X-ray machine control panel posted with label stating "CAUTION-RADIATION, THIS EQUIPMENT PRODUCES RADIATION WHEN ENERGIZED". (05-.111(11))
8. Entrance to room posted with "CAUTION, HIGH RADIATION AREA", or "DANGER, HIGH RADIATION AREA" (05-.111(2)).
9. Has a survey been performed to determine that the unrestricted area dose limits are met and records maintained of this determination? (05-.61 and 05-.136)
10. All entrances to the shielded room interlocked. (08-.11(1)(a))
11. After an interlock has been interrupted, only possible to cause x-rays to be produced again from the control panel. (08-.11(1)(a))
12. Interlocks not used to shut off the machine except in emergency or testing. (08-.11(1)(a))
13. Emergency shut off switches located in the room. (08-.11(1)(b))
14. Emergency shut-off switches identified by conspicuously posted sign adjacent to the switch. (08-.11(1)(b))
15. Emergency shut-off switches mode of operation (e.g., PUSH) identified by conspicuously posted sign adjacent to the switch. (08-.11(1)(b))
16. Manual reset of emergency shut-off switch before x-rays can be produced again. (08-.11(1)(b))
17. After manual reset of emergency shut-off switch, x-rays can only be produced again from control panel. (08-.11(1)(b))
18. Interlock system and emergency shut off system are on separate electrical and/or mechanical systems. (08-.11(1)(c))
19. Flashing or rotating light available on the interior of the room. (08-.11(1)(d))

Facility:

Control:

Date:

20. Flashing or rotating light on the interior of the room operates when, and only when, radiation is being produced. (08-.11(1)(d))
21. The flashing or rotating light positioned so that it can be observed from anywhere in the room. (08-.11(1)(d))
22. Audible warning signal within the room activated immediately prior to the production of x-rays. (08-.11(1)(e))
23. Audible warning signal activated at least 10 seconds prior to production of x-rays. (08-.11(1)(e))
24. The x-ray equipment control panel provided with a locking device to prevent unauthorized use. (08-.11(1)(f))
25. All entrances provided with conspicuously visible warning device. (08-.11(1)(g))
26. Visible warning device operates only when radiation is being produced. (08-.11(1)(g))
27. After each exposure, the operator shall ensure that a survey with a calibrated survey meter is made to determine that the radiation from the machine has been terminated. (08-.11(1)(h) and (08-.06(3)(b))
28. Portable survey meter calibrated every 6 months. (08-.04(4)(b)1.)
29. If 'no' to # 27, is an audible personnel device used in lieu of a portable survey meter?

If audible 'churper' is used for question number 29 above, answer questions 30 - 33:

30. The audible devices checked daily for proper operation. (08-.11(1)(h))
31. Record maintained of the daily check listed in question 30. (08-.11(1)(h))
32. All personnel working with the x-ray equipment provided with an audible device. (08-.11(1)(h))
33. The audible personnel device activates upon entry into a 2 mR/hr radiation field. (08-.11(1)(h))
34. All personnel associated with the x-ray equipment shall be provided with personnel monitoring devices that shall be calibrated for the x-ray energies being utilized. (08-.11(1)(i))
35. Personnel monitoring records maintained. (08-.11(1)(i) and 05-.135)
36. Occupational dose limits maintained as required under 0400-20-05-.50 and 0400-02-05-.56.
37. Operating procedures available. (04-.11(1)(e), (08-.11(1)(j))
38. Operating procedures posted. (04-.11(1)(e))
39. Operators instructed in and demonstrated an understanding of the operating procedures. (08-.11(1)(j))
40. Emergency procedures available. (04-.11(1)(e), (08-.11(1)(j))
41. Emergency procedures posted. (04-.11(1)(e))
42. Operators instructed in and demonstrated an understanding of the emergency procedures. (08-.11(1)(j))
43. All safety and warning devices tested. (08-.11(1)(k))
44. Safety and warning device tests performed at no greater than 3 month intervals. (08-.11(1)(k))
45. Records maintained of safety and warning device tests. (08-.11(1)(k))
46. If a safety or warning device malfunctions, is the x-ray unit taken out of service and the control panel locked in the "off" position until the safety or warning device is functioning properly? (08-.11(1)(l))