THERAPEUTIC X-RAY 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._____

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.	◯	◯	◯	Adjustable beam limiting diaphragms, cones or fixed diaphragms provided to collimate the useful beam to the area under treatment. (06-.05(1)(a)2.)
9.	◯	◯	◯	The radiation escaping through the filter slots does not exceed an exposure rate of 1 R/hr at a distance of 1 meter or if the radiation from the slot is accessible to the patient, 30 R/hr at 5 centimeters from the external opening. (06-.05(1)(a)5.)
10.	◯	◯	◯	Each removable filter marked with its thickness and material. (06-.05(1)(a)5.)
11.	◯	◯	◯	The x-ray tube secured so that it cannot move in respect to the aperture. (06-.05(1)(a)6.)
12.	◯	◯	◯	A mark on the x-ray tube housing showing the location of the focal spot. (06-.05(1)(a)6.)
13.	◯	◯	◯	A device provided to immobilize the tube housing during stationary portal treatment. (06-.05(1)(a)7.)
14.	◯	◯	◯	A device provided to terminate the exposure automatically after a preset time interval or preset exposure or dose limit. (06-.05(1)(a)8.)
15.	◯	◯	◯	Means provided for the operator to terminate the exposure at any time. (06-.05(1)(a)8.)

Facility:_____

Control:_____ **Date:**_____

	Y	N	N/A	
16.	◯	◯	◯	Is a filter indicator system used on the therapy x-ray apparatus using changeable filters? (06-.05(1)(a)9.) *Color coded filters that are visible from the control panel qualify as an adequate indicator system.*
17.	◯	◯	◯	Is the filter indicator (when the filter is in the slot) visible and identifiable from the control panel? 06-.05(1)(a)9.)
18.	◯	◯	◯	Doors to the treatment room interlocked. (06-.05(1)(a)10.)
19.	◯	◯	◯	After interlock broken, restoration of power only possible from the control panel. (06-.05(1)(a)10.)
20.	◯	◯	◯	Treatment room so constructed so that persons within the room at all times able to escape. (06-.05(1)(a)11.)
21.	◯	◯	◯	A visible signal which is actuated during the time x-rays are being generated, located outside and near each door to the treatment room? (06-.05(1)(a)12.)
22.	◯	◯	◯	Is there a device on the control panel which indicates to the operator whether or not the tube is energized? (06-.05(1)(a)13.)
23.	◯	◯	◯	When using a beryllium window or material having an aluminum equivalent half-value layer less than 0.5 millimeter, does the registrant insure that the unfiltered radiation reaches only that area of the patient intended? (06-.05(1)(a)1
24.	◯	◯	◯	When using a beryllium window or material having an aluminum equivalent half-value layer less than 0.5 millimeter, is the beam port blocked at all times, except when being used? (06-.05(1)(a)1
25.	◯	◯	◯	Calibration of the therapeutic x-ray apparatus performed by a qualified individual. (06-.05(1)(b)1.)
26.	◯	◯	◯	Calibration of the therapeutic x-ray apparatus performed at least annually. (06-.05(1)(b)1.)
27.	◯	◯	◯	Records of calibrations maintained. (06-.05(1)(b)1.)
28.	◯	◯	◯	Do individuals who hold wear lead aprons? (06-.05(1)(b)2.)
29.	◯	◯	◯	Are all holders required to wear personnel monitoring? (06-.05(1)(b)2.)
30.	◯	◯	◯	Are records maintained of the personnel monitoring of holders? (06-.05(1)(b)2.)
31.	◯	◯	◯	Is both the patient and control panel under observation by the operator during patient irradiation? (06-.05(1)(b)3.)
32.	◯	◯	◯	Initial radiation survey performed for facility (this includes unrestricted area limits under 5-.61). (06-.05(1)(b)4.)
33.	◯	◯	◯	Above survey performed by a qualified individual or registered inspector. (06-.05(1)(b)4.)
34.	◯	◯	◯	Records of these surveys maintained. (06-.05(1)(b)4.)
35.	◯	◯	◯	Is the operator able to verbally communicate with the patient while the operator is in the control area? (06-.05(1)(b)6.)
36.	◯	◯	◯	No one except the patient in the room during treatment, except for holders. (06-.05(1)(b)7.)
37.	◯	◯	◯	When the operator or other personnel are in the treatment room (for units operating below 60 kVp), do they wear lead aprons or in a protected area? (06-.05(1)(b)7.)

Qualified Individual: *An individual who has demonstrated to the satisfaction of the Division that he possesses the knowledge and training to measure ionizing radiation, to evaluate safety techniques and to advise regarding radiation protection needs.* (06-.03(47))