RHODE ISLAND RADIATION CONTROL AGENCY

DENTAL X-RAY FACILITY INSPECTION REPORT

Inspec	tion Report #:	Registration
Registi	rant (Name and Address):	
_	rant Contact:	Phone No.:
	st Inspection Date:	_
	tice of Inspection Date:	<u> </u>
Ins	pection Date:	<u> </u>
	***********	********
Inspec	tion Type:	
	Initial	
	Routine	
	Reactive	
	*********	******
Summ	ary of Findings &	
	No Items of Noncompliance, Clear RCA-9	lissued
	Noncompliance, RCA-9 issued	issucu
	Noncompliance (Appendix A)	
	Action on Previous Noncompliance (Appe	ndiv R)
	RCA Action	nuix b)

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Inspec	tor:	
	(signature)	(date signed)
Appro	ved By:	
	(signature)	(date signed)

Ins	pection Report #	:		Re	egistra	tion #:	DE	F-xxxx		
1)	FACILITY OF Facility Supervi		ON:							
	Radiation Prote	ction Person:								
	Dentist(s) respointerpretation:	nsible for								
	Number of Rad	~ .								
			uipment possess a			YES		NO		
			ate and are adequate procedures of the							
	equipment [4.3.		. 1	J						
2)	X-RAY TUBE	INVENTOR	Y:							
	Tube Code ¹ :	20	21	22		23			2	4
	Active:									
	Storage: Total # of tubes	•					-			
			luation conducted	by a RI-		YES		NO	П	NA
	registered Radia	ation Physics S	ervice provider fo							
	active use other		or closed-beam							
	panoramic/ceph	alometric								
3)	OCCUPATIO		TION EXPOSU each individual ex			YES		NO		
	exposed to radiat			pecied to be		IES		NO		
			hanged at the appr			YES		NO		
	frequency and pr processor [1.10.3		LAP approved an	d accredited						
	-									
			t properly worn [` /-		YES		NO		
	All personal dosi	metry reports a	are reviewed and s	igned by		YES		NO		
	the RSO when th									
	* * *	1 0	woman procedures			YES		NO		NA
	[1.7.8]	d records of em	ıbryo/fetus dose w	ere kept						
		1: .:	,•			MEG		NO		
	The registrant's reconsiderations for		tion program inco s ALARA	orporates	Ц	YES		NO		
	Monitored indivi	duals are prope	erly presented with	n radiation		YES		NO		
	exposure data at			1		122		1,0		
			e terminated empl	oyment		YES		NO		NA
	were properly no	titied [2.6]								

¹ **20**=Dental Intraoral; **21**= Dental Extraoral; **22**= Cephalometric; **23**=Panoramic; **24**= Cone Beam CT (CBCT)

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4)	POSTING AND LABELING Agency Form RCA-1 ["Notice to Employees"] is properly posted [2.4(A)]		YES		NO		
	RCA regulations and Certificate of Registration are posted, or a notice is posted stating where these documents are located [2.6]		YES		NO		
	Operating procedures (including written radiation safety procedures) are available [2.6]		YES		NO		
	Statement of deficiencies posted when applicable [2.6]		YES		NO		NA
	Latex glove warning sign posted when applicable [2.5(B)]		YES		NO		NA
<u></u>	DECICED ATION						
5)	REGISTRATION Equipment installation or servicing were obtained only from a registered Provider of X-Ray Services [3.3(A)] – PXS Registration #:	n 🗆	YES		NO		
	Radiation physics services were obtained from only for a registered Radiation Physics Service provider [3.5.3] – RPS Registration #:	S	YES		NO		NA
	Written notification was provided to the RCA before making any changes (e.g. installation of removal of x-ray systems) which would render the information contained in the Application for Registration inaccurate [3.8]	ng 🗆	YES		NO		NA
	For new registrations or facilities with modifications subsequent to previous inspection, a floor plan, shielding specification, and equipment arrangement have been submitted to the RCA prior to construction. [3.5.1(B)]		YES		NO		NA
	For new registrations or facilities with modifications subsequent to previous inspection, the shielding plan was reviewed and evaluated by a registered Radiation Physics Service provider prior to X-Ray system use [3.5.1(C)] – RP Registration #:	□ PS	YES		NO		NA
6)	TECHNIQUE PROTOCOLS						
~,	Type and size of the image receptor combination to be used, if an [4.3.4]	у 🗆	YES		NO		
	Source to image receptor distance to be used, if any (typically present on the x-ray tube head) [4.3.4]		YES		NO		
	Type and location of placement of patient shielding [4.3.6(A)(2)]		YES		NO		

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7)	MAINTENANCE RECORDS & ASSOCIATED INFORMATION Registrant maintains the following information for each X-Ray system (in a separate file or in chronological order): [4.3.13(A)]	ORM	ATIO	N			
	Maximum rating of technique factors (if applicable) [4.3.13(A)(1)]		YES		NO		NA
	Model and serial numbers of all major components, and users' manuals for those components [4.3.13(A)(2)]		YES		NO		
	Aluminum equivalent filtration in the useful beam, including any routine variation (if applicable) [4.3.13(A)(3)]		YES		NO		
	Tube rating charts and cooling curves (if applicable) [4.3.13(A)(4)]		YES		NO		NA
	Records of surveys, calibrations, maintenance & modifications performed on X-Ray systems and names of persons who performed such services [4.3.13(A)(5)]		YES		NO		
	Copy of correspondence with RCA regarding each X-ray system [4.3.13(A)(7)]		YES		NO		
8)	X-RAY UTILIZATION LOG The log includes the patient's name, the type of examinations, and the dates the examinations were performed [4.3.14(A)]		YES		NO		
	The log includes the name of the dentist who ordered the examination [4.3.14(A)(1)]		YES		NO		
	The log includes name(s) of individual(s) who performed the examination $[4.3.14(A)(2)]$		YES		NO		
	The log includes any deviation from the standard procedure as specified on the technique chart, including all repeat exposures [4.3.14(A)(3)]		YES		NO		
	When applicable, log includes X-Ray system used [4.3.14(A)(4)]		YES		NO		NA
	If human auxiliary support is required, log includes name of the human holder [4.3.14(A)(5)]		YES		NO		NA
	X-Ray utilization logs are maintained for a minimum of 5 years following the examination or treatment of adults and 5 years past the age of maturity for children [4.3.14(B)]		YES		NO		

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9)	GENERAL REQUIREMENTS FOR DENTAL X-Label with the following is present on the control panel: "WARNING: This X-Ray unit may be dangerous to patient and operator unless safe exposure factors and operating instructions and maintenance schedules are observed" [4.14.2(B)]	RAY	YES		NO		
	Where \geq 2 radiographic tubes controlled by 1 exposure switch, tube(s) selected shall be clearly indicated prior to initiation of exposure and only selected tube can be energiz [4.14.7]	□ zed	YES		NO		NA
	Tube housing assembly supports adjusted, so assembly remains stable during an exposure (unless tube housing movement is designed function) [4.14.8]		YES		NO		
	All position locking, holding, and centering devices on X-Ray system components are functioning as intended [4.14.]	10]	YES		NO		
	For X-ray equipment capable of displaying technique factor the technique factors used during exposure are indicated before exposure begins. If automatic exposure controls use technique factors set prior to exposure are indicated [4.14.11(A)]		YES		NO		
	Means provided to terminate the exposure at a preset time interval, a preset product of current and time, a preset numl of pulses, or a preset radiation exposure to the image recept [4.14.13]		YES		NO		
	The half value layer meets the requirements set forth in Tables I and/or II [4.14.16]		YES		NO		NA
10)	SPECIAL REQUIREMENTS FOR DENTAL X-R	AY					
	Facility utilizes intraoral dental radiographic unit(s) design to be operated as a hand-held device [4.13(A)]	ed 🗆	YES		NO		
	If YES, facility maintains documentation that each operator of hand-held X-ray system has completed training as specified by the manufacturer and approved by the Agency [4.13(A)]	□ I	YES		NO		NA
	If YES, unit is equipped with a backscatter shield of no less than 0.25 mm lead equivalent and 15.2 cm (6 inche in diameter that is positioned as close as practicable to the distal end of the position indication device [4.13(A)]	es)	YES		NO		NA
	If YES , facility follows protocols provided by the manufacturer, and approved by the Agency, regarding safe operation of the unit [4.13(A)]	the	YES		NO		NA
	If YES , unit is secured from unauthorized removal or u [4.13(A)]	ise 🗆	YES		NO		NA

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10) SPECIAL REQUIREMENTS FOR DENTAL X-RAY Facility utilizes cone beam CT (CBCT) devices [4.7.8]	(con	t.) YES		NO		
If YES , CBCT is only operated by an individual who has been specifically trained in its operation [4.7.8(D)]		YES		NO		NA
11) QUALITY ASSURANCE PROGRAM						
QMP performed review of Quality Assurance Program at an interval not to exceed 12 months and provided a written report		YES		NO		
Registrant has established and maintained a quality assurance program including:						
Written standard operating procedures on radiation protection are reviewed and updated annually by management [4.10.1(A)(1)(a)]		YES		NO		
Employee review and written acknowledgement of standard operating procedures and policies on radiation protection [4.10.1(A)(1)(b)]		YES		NO		
Documentation of minimum qualifications for dentists and X-Ray equipment operators [4.10.1(A)(1)(c)]		YES		NO		
Record retention in accordance with applicable Rhode Island statutes and regulations, but in no case less than 3 years [4.10.1(A)(1)(d)]		YES		NO		
Compliance with QA for image processing equipment [4.10.1(A)(2)(c)]		YES		NO		
Radiographic Equipment: System(s) evaluated by QMP prior to initial clinical use and after installation or relocation. Evaluation follows nationally recognized procedures or those recognized by the Agency [4.10.1(A)(3)(b)]		YES		NO		
CBCT Equipment: Evaluation of CBCT performed by QMP within 30 days of initial installation, at intervals not to exceed 12 months, and within 30 days after any change or replacement of components which, in the opinion of the QMP, could cause a change in the radiation output or image quality [4.10.1(A)(5)(e)]		YES		NO		NA

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12) GENERIC COMMUNICATIONS						
RCA Information Notices, Newsletters and other generic communications are being received		YES		NO		NA
When required, appropriate training and action is being taken in response to these generic communications	en 🗆	YES		NO		NA
13) EXIT MEETING						

APPENDIX A - DOCUMENTATION OF DEFICIENCIES

Re	ference	Basis for Deficiency
Report Item:		
Regulation:		
Type N/C:		
Report Item:		
Regulation:		
Type N/C:		
Report Item:		
Regulation:		
Type N/C:		
Report Item:		
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Type N/C:		
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Type N/C:		

APPENDIX B - ACTION ON PREVIOUS INSPECTION FINDINGS								
Identification a	Status							
Report No.: Ty	/pe N/C:		OPEN	☐ CLOSED				
Description of Deficiency:								
Action Taken:								