VDH VIRGINIA DEPARTMENT OF HEALTH
Protecting You and Your Environment

OFFICE OF RADIOLOGICAL HEALTH
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Dental Intraoral Radiographic Systems

RH-F-23 01/2020a

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New Registration: ☐

FACILITY			MACHINE			
FACILITY ID NO.	TUBE REGISTRATION NO:		MAKE			
NAME			PURPOSE			
INSPECTOR						
NAME			MODEL			
SIGNATURE			SERIAL NO.			
DATE			MAX. kVp	MAX. mA	ROOM NO.	

OK	N/A	N/S	S	EVALUATION CRITERIA
				1. Warning label is not present (12 VAC 5-481-1601-1). **NON-SERIOUS.**
				2. HVL at _____ kVp is measured at _____ mm Al. Minimum is _____ mm Al. (12 VAC 5-481-1601-4). Deficiency of ≤ 0.2mm **NON-SERIOUS**, deficiency of > 0.2mm **SERIOUS**.
				3. Multiple tubes are controlled from one control panel but indication of the selected tube is not present at both the ___ panel and the ___ selected tube (12 VAC 5-481-1601-8). One missing, **NON-SERIOUS,** both missing, **SERIOUS.**
				4. Tubehead does not remain stationary in the exposure position (12 VAC 5-481-1601-9). **SERIOUS.**
				5. Diameter of X-ray field is _____ cm. Maximum allowable is: 7cm with SSD ≥ 18cm, 6cm with SSD < 18cm (12VAC 5-481-1621-F). Excess of < 1cm, **NON-SERIOUS**, excess of ≥ 1cm, **SERIOUS**.
				6. Radiographic control does not require constant operator pressure or does not terminate the exposure properly (12 VAC 5-481-1621-P & 1621-A2a). **SERIOUS.**
				7. Exposure reproducibility: coefficient of variation _____% at a technique setting of _____ (12 VAC 5-481-1621-B). > 10% to < 15% **NON-SERIOUS,** ≥ 15% **SERIOUS.**
				8. Timer reproducibility: coefficient of variation _____% at a technique setting of _____ (12 VAC 5-481-1621-B). > 10% to < 15% **NON-SERIOUS,** ≥ 15% **SERIOUS**
				9. Radiographic control switch not permanently located in an appropriate protected area defined by a reasonable barrier or distance of at least 9'. Mobile: stretch cord of at least 9'. (12 VAC 5-481-1621-P3,4; -1631-2) **SERIOUS**
				10. Radiographic control not equipped with both visual and audible indication of X-ray production (12 VAC 5-481-1621J) Either/or **NON-SERIOUS**, Both **SERIOUS**
				11. Unit not equipped with an open ended shielded position indicating device (12 VAC 5-481-1621-F). **NON-SERIOUS.**
				12. kVp error ± _____% of indicated kVp at _____ kVp (12 VAC 5-481-1621-A4). > 10% to < 15% **NON-SERIOUS,** ≥ 15% **SERIOUS**
				13. Timer error ± _____ % of indicated ms/pulse at _____ ms/pulse (12 VAC 5-481-1621-A4). > 10% to < 15% **NON-SERIOUS,** ≥ 15% **SERIOUS.**
				14. Exposure data: Projection: _____ Technique factors: _____ kVp _____mA _____ ms/pulse _____ inches/cm SID. Exposure results: _____ mR.
				15. Type of Imaging System: ____ Film, ___ Digital, ___ CR, ___ Other
				16. Other/Remarks: