EXAMPLE FORM
EQUIPMENT PERFORMANCE EVALUATION
VETERINARY RADIOGRAPHIC UNIT
25 TAC §289.233(i)(5)(N)

Facility Name: ____________________________________ Registration No.:_________________ Date: ____________________

Service Company:__________________________________ Service Company Registration No:__________________________

Survey Instrument Used: _____________________________ Calibration/Intercomparison Date:_________________________

Technician Signature: _______________________________________________________________________________________

X-RAY UNIT IDENTIFICATION (FROM CONTROL PANEL)
Manufacturer: __________________________________________ Location/Room: ______________________
Model No.: __________________________________________ Serial No.: ____________________________

TIMER ACCURACY Pass(    ) Fail(    )

Regulation: The accuracy of the timer shall meet the manufacturer’s specifications. If the manufacturer’s specifications are not
obtainable, the timer accuracy shall be ± 10 percent of the indicated time with the testing performed at 0.5 second. (See 25 TAC
§289.233(i)(5)(N)(i)(I)

SELECT ONE: □ Manufacturer specifications which are _____________________________ OR □ ± 10% tolerance
Time used for testing _________msec OR _________pulses (No time greater than 0.5 second (500 msec) to be used)
Perform four measurements ___________msec/pulses ___________msec/pulses
___________msec/pulses ___________msec/pulses

When the timer is set to “zero” or “off”, an exposure is not permitted . Y____ N_____NA_____

KVP Pass (    ) Fail (    )

Regulation: The accuracy of the kVp shall meet the manufacturer’s specifications. If the information is not available, the indicated
kVp shall be accurate to within ± 10 percent of the indicated setting at no less than three points over the usual operating range of the
machine. (For units with fewer than three fixed kVp settings, the unit shall be checked at those settings.) (See 25 TAC
§289.233(i)(5)(N)(i)(II))

Select: □ Manufacturer specifications used which are _____________________________ OR
□ ± 10% of indicated setting

((Measured kVp – Indicated kVp) ÷ Indicated kVp) X 100 = % of Deviation

Indicated kVp _____ Measured kVp _____ Deviation _____ %
Indicated kVp _____ Measured kVp _____ Deviation _____ %
Indicated kVp _____ Measured kVp _____ Deviation _____ %
Indicated kVp _____ Measured kVp _____ Deviation _____ %
VETERINARY EQUIPMENT PERFORMANCE EVALUATION

Registration No.: _______________________
X-ray unit Serial No.: _______________________

<table>
<thead>
<tr>
<th>TUBE STABILITY</th>
<th>Pass ( )</th>
<th>Fail ( )</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hand Held Unit</td>
<td>NA ( )</td>
<td></td>
</tr>
</tbody>
</table>

Regulation: The x-ray tube shall remain physically stable during exposures. (See 25 TAC §289.233(i)(5)(N)(III))

The tube is stable in all orientations with free movement where designed.

IF THIS IS A DENTAL X-RAY UNIT USED FOR VETERINARY EXAMINATIONS, OMIT THE COLLIMATION SECTION. Complete this section for all other units.

<table>
<thead>
<tr>
<th>COLLIMATION</th>
<th>Pass ( )</th>
<th>Fail ( )</th>
</tr>
</thead>
</table>

Regulation: See 25 TAC §289.233(i)(5)(N)(IV)

Source to image distance (SID) numerical indicator present. T_____ F_____

(Circle inches or centimeters for all testing in this section.)

- Indicated SID: ______ in/cm x .02 = ______ in/cm tolerance
- Measured SID: ______ in/cm
- Misalignment: ______ in/cm

Indicator accurate to within 2% of indicated setting. T_____ F_____

The beam limiting device must limit the x-ray field so that the field does not exceed 2.0% of the SID for the width or length of a rectangular image receptor (x-ray film).

- Image Receptor: width ____ in/cm length ____ in/cm
- X-ray field size: width ____ in/cm length ____ in/cm
- Misalignment: width ____ in/cm length ____ in/cm

The width or length of the x-ray field does not exceed the image receptor by more than 2% of the SID. T_____ F_____

(When using a rectangular image receptor with a circular x-ray field, the diameter of the circular field may not exceed the dimension equal to 2% of the SID plus the diagonal of the rectangular image receptor.)

The beam limiting device is capable of restricting the x-ray field to the area of clinical interest. T_____ F_____

What means are used by the facility personnel to center the primary beam to the image receptor?

- □ light field/cross hairs
- □ pointer
- □ other _________________________________

The center of the primary beam to the center of the image receptor is within 2% of the SID. T_____ F_____

A written explanation must be provided for any test on this form that cannot be completed.

For any failure indicated during the Equipment Performance Evaluation, correction must begin within 30 days of the evaluation date and be completed within 90 days.

All records of the corrective action must be retained by the facility, in accordance with 25 TAC §289.233(j)(2), and made available to the Department of State Health Services upon request.