Agency ID:

FACILITY/EQUIPMENT PRESURVEY INFORMATION

Facility name:

Person Contacted:

Survey Date: (MM/DD/YY) Surveyor ID:

Manufacturer: Date of Manufacture: (month/year)

Model Number: Serial Number:

A. GENERAL INFORMATION

1.a Facility ID number (FDS): 1.b System ID number (CDRH):

2. Room number or location of radiographic system:

3. Is the operator required to stand in a shielded area while making an exposure? (Y/N)

4. Is a radiation warning label on the control console of the X-ray unit? (Y/N)

5. Are the exposure settings (technique factors) visible to the operator before an exposure is taken? (Y/N)

6. If multiple tubes are controlled by a single exposure switch, is there a visible indication of the tube selected at the control console and at the tube head? (Y/N/X)

7. Is there means to indicate when the beam is perpendicular to the plane of the image receptor? (Y/N)

8. Indicate if each gantry lock functions properly (Y/N/X) a. Vertical b. Rotational c. Along table d. Across table

9. Does the centering detent work properly? (Y/N/X)

10. Do electrical cables appear to be in good condition? (Y/N)

11. Does the equipment appear to be mechanically stable? (Y/N)

12a. Are up-to-date radiographic technique charts in use in this room? (Y/N)

12b. Are back-up technique charts available for manual mode use of phototimed equipment? (Y/N/X)

13. Are tube rating and tube cooling charts posted? (Y/N)

14. Is a heat unit indicator installed on this unit? (Y/N)

15. Are routine quality control tests performed on this unit? (Y/N)

16. Does a QA or maintenance logbook exist for this unit? (B/N)

'MINATION (Set the SOURCE to LIGHT DETECTOR distance at 100 cm)

1. _____ (Total) - _____ (Ambient) = [ ][ ].[ ] fc
2. _____ (Total) - _____ (Ambient) = [ ][ ].[ ] fc
3. _____ (Total) - _____ (Ambient) = [ ][ ].[ ] fc
4. _____ (Total) - _____ (Ambient) = [ ][ ].[ ] fc

INITIAL SET-UP

1. [ ][ ][ ] kVp 2. [ ][ ][ ] mA 3. [ ].[ ][ ][ ] sec or 4. [ ][ ][ ].[ ] mAs

REPRODUCIBILITY

1a. [ ][ ][ ][ ] mR	1b. ----------			2a. [ ][ ][ ][ ] mR		2b. [ ].[ ][ ][ ] sec	
3a. [ ][ ][ ][ ] mR	3b. [ ].[ ][ ][ ] sec			4a. [ ][ ][ ][ ] mR		4b. [ ].[ ][ ][ ] sec	
5a. [ ][ ][ ][ ] mR	5b. [ ].[ ][ ][ ] sec			6a. [ ][ ][ ][ ] mR		6b. [ ].[ ][ ][ ] sec	
7a. [ ][ ][ ][ ] mR	7b. [ ].[ ][ ][ ] sec			8a. [ ][ ][ ][ ] mR		8b. [ ].[ ][ ][ ] sec	
9a. [ ][ ][ ][ ] mR	9b. [ ].[ ][ ][ ] sec			10a. [ ][ ][ ][ ] mR		10b. [ ].[ ][ ][ ] sec	

MA LINEARITY

1. [ ][ ][ ] mA
2. [ ][ ][ ][ ] mR 3. [ ][ ][ ][ ] mR 4. [ ][ ][ ][ ] mR 5. [ ][ ][ ][ ] mR

RADIATION OUTPUT LINEARITY

1. [ ][ ][ ] kVp (actual) [ ][ ][ ] kVp (indicated)

	mA station selected		timer station selected		mAs station selected		focal spot (L/S)		measured output	
2.	a. [ ][ ][ ][ ] mA	b.	[ ].[ ][ ][ ] sec	c.	[ ][ ][ ].[ ] mAs	d.	[ ]	e.	[ ][ ][ ][ ] mR	
3.	a. [ ][ ][ ][ ] mA	b.	[ ].[ ][ ][ ] sec	c.	[ ][ ][ ].[ ] mAs	d.	[ ]	e.	[ ][ ][ ][ ] mR	
4.	a. [ ][ ][ ][ ] mA	b.	[ ].[ ][ ][ ] sec	c.	[ ][ ][ ].[ ] mAs	d.	[ ]	e.	[ ][ ][ ][ ] mR	
5.	a. [ ][ ][ ][ ] mA	b.	[ ].[ ][ ][ ] sec	c.	[ ][ ][ ].[ ] mAs	d.	[ ]	e.	[ ][ ][ ][ ] mR	

RADIATION OUTPUT LINEARITY (continued)

	mA station selected		timer station selected		mAs station selected		focal spot (L/S)		measured output	
6a.		mA	b.	sec	c.	mAs	d.		e.	mR
7a.		mA	b.	sec	c.	mAs	d.		e.	mR
8a.		mA	b.	sec	c.	mAs	d.		e.	mR
9a.		mA	b.	sec	c.	mAs	d.		e.	mR
10a.		mA	b.	sec	c.	mAs	d.		e.	mR
11a.		mA	b.	sec	c.	mAs	d.		e.	mR
12a.		mA	b.	sec	c.	mAs	d.		e.	mR

TIMER LINEARITY

1. kVp 2. mA

	Indicated Time		Measured Exposure		Indicated Time		Measured Exposure	
3a.		sec	b.	mR	4a.	sec	b.	mR
5a.		sec	b.	mR	6a.	sec	b.	mR
7a.		sec	b.	mR	8a.	sec	b.	mR

BEAM QUALITY

1. kVp selected kVp

2a.	mR	using	0.0	mm Al
3a.	mR	using	b.	mm Al
4a.	mR	using	b.	mm Al
5a.	mR	using	b.	mm Al
6a.	mR	using	b.	mm Al
	mR	using	b.	mm Al

ACCURACY

	Indicated		Measured		Indicated		Measured	
1a.		kVp	b.	kV	2a.	kVp	b.	kV
3a.		kVp	b.	kV	4a.	kVp	b.	kV

5. Indicate which kV measurement was calculated A = Average E = Effective P = Peak

. kV COMPENSATION (SET AT 80 kVp, KEEP mAs CONSTANT)

	Selected mA		Measured kV		Focal Spot		Selected mA		Measured kV		Focal Spot
1a.		b.		c.		2a.		b.		c.	
3a.		b.		c.		4a.		b.		c.	

. SID DETERMINATION

1. Indicated Source to Image Distance (SID) a. . in or b. . cm

2. Measured distance from focal spot to tabletop . cm

Measured distance from tabletop to UTIR film plane . cm

. ACTUAL VERSUS INDICATED FIELD SIZE

1. Does the beam limiting device numerically indicate the field size? (Y/N)

2a. Indicated field size ALONG table? 1. in or 2. cm

2b. Indicated field size ACROSS table? 1. in or 2. cm

3a. Measured light field size ALONG table? . cm b. Measured light field size ACROSS table? . cm

X-RAY / LIGHT FIELD ALIGNMENT

1a. Measured light field size ALONG table? . cm b. Measured light field size ACROSS table? . cm

2a. Measured X-ray field size ALONG table? . cm b. Measured X-ray field size ACROSS table? . cm

3a. Total misalignment ALONG table? . cm b. Total misalignment ACROSS table? . cm

'AY FIELD / UTIR CENTERS COMPARISON

1. Measured misalignment between center of X-ray field and center of test film? . cm

OPERATION

1. Indicate the type of Positive Beam Limitation (PBL) system in use
   1 = Automatically adjusts the X-ray field size
   2 = Prevents the production of X-rays until manual adjustments are made
   3 = System present but disabled or not used
   4 = System not present

2. Can the collimator be adjusted to a field size smaller than the image receptor? (Y/N)

3. Is there an automatic return to PBL mode when the image receptor or the SID is changed? (Y/N)

4. Is X-ray production prevented at an SID where the PBL system was not intended to operate? (Y/N/X)

PBL SIZING

1. Indicated Source to Image receptor Distance (SID) is indicated as ___.__ in or ____.__ cm

2a. Nominal cassette size in UTIR ___ by ___ (ALONG table dimension first) b. Units are IN or CM

3a. Measured light field size ALONG table? ___.__ cm 3b. Measured light field size ACROSS table? ___.__ cm

4a. Nominal cassette size in UTIR ___ by ___ (ALONG table dimension first) b. Units are IN or CM

5a. Measured light field size ALONG table? ___.__ cm 5b. Measured light field size ACROSS table? ___.__ cm

If a wall bucky is present indicate the following information:

6. Measured distance from frontplate of cassette holder to film plane: ___.__ cm

7. Measured distance from source to frontplate of cassette holder: ___.__ cm

8. Measured misalignment between center of x-ray field and center of test film from wall bucky: ___.__ cm

Fill in for either wall bucky (if present) or 2nd SID for table. If using Wall Bucky - ALONG table = VERTICAL

9. Indicated Source to Image receptor Distance (SID) is indicated as ___.__ in or ____.__ cm

10a. Nominal cassette size in Bucky ___ by ___ (ALONG table dimension first) b. Units are IN or CM

11a. Measured light field size ALONG table? ___.__ cm 11b. Measured light field size ACROSS table? ___.__ cm

12a. Nominal cassette size in Bucky ___ by ___ (ALONG table dimension first) b. Units are IN or CM

13a. Measured light field size ALONG table? ___.__ cm 13b. Measured light field size ACROSS table? ___.__ cm

COMMENTS AND OBSERVATIONS