#### NJDEP Medical Physicist's Fluoroscopic QC Survey

PLEASE PRINT				
		Facility Information		
Name				
NJDEP Facility ID #	ŧ			
		Unit Information		
Registration #				
Manufacturer		Model		
Console Model #		Console serial #		
Tube serial #		Location (room)		
		QC Survey Information		
Date of QC Survey				
Qualified Medical Pl	hysio	cist Name		
Medical Physicist Assistant in Fluoroscopy Name				
CERTIFICATION STATEMENT				

I certify that to the best of my knowledge the information in this document and all attached				
documents is true, accurate and complete				
Medical Physicist Signature	Date			
Medical Physicist Assistant Signature	Date			

NOTE: Please mark all tests performed by Certified Physicist Assistant with an (\*).

Item	Description	Pass	Needs Repair	N/A	Standard	
	Fluoroscopic Unit Assembly Evaluation					
1	Is tube registered with DEP?				NJAC 7:28 -3.3(a)	
	EACH TUBE must have a separate registration					
	number					
2	Radiation safety survey of the environs current				NJAC 7:28 -15.10	
3	Primary protective barrier intercepts the entire				NJAC 7:28 -	
	cross-section of the useful beam				15.5(b)1	
4	Primary protective barrier in place before x-ray				NJAC 7:28 -	
	production can occur				15.5(b)1i	
5	Exposure rate due to transmission through				NJAC 7:28 -	
	primary protective barrier does not exceed 2				15.5(b)1ii	
	mR/hour					
	Measured:			•		
6	Source to skin distance for stationary units not				NJAC 7:28 -	
	less than 15 inches				15.5(b)11	
7	Source to skin distance for portable units not				NJAC 7:28 -	
	less than 12 inches				15.5(b)11	
8	If used for surgical applications source to skin				NJAC 7:28 -	
	not less than 8 inches				15.5(b)11	
9	Bucky slot cover and protective drapes				NJAC 7:28 -	
10					15.5(b)14, 15	
10	kVp and mA indicator present on control panel				NJAC 7:28 - 15 5(b)10	
11	5 minute fluro timer meets all requirements				NJAC 7:28 -	
	e minute mare unior meets an requirements				15.5(b)12	
12	Control provided that requires continuous				NJAC 7:28 -	
	pressure by the operator to produce x-rays				15.5(b)4	
	Entrance Exposure Rate to In	nage In	tensifier			
13	Does entrance exposure rate to image intensifier				Manufacturer's	
	meet manufacturer's specifications?					
	Manufacturer's specifications:					
	Measured :					
	Patient Entrance Expos	ure Ra	te			
14	Does patient entrance exposure rate meet				Manufacturer's	
	manufacturer's specification?					
	Manufacturer's specifications:					
	Measured :					

Item	Description	Pass	Needs Repair	N/A	Standard	
	Maximum Exposure	Rate				
15	Units with automatic exposure control not to exceed 10 R/min				NJAC 7:28- 15.5(b)5	
	Measured:					
	R/min at k	Vp		mA		
16	Units without automatic exposure control not to exceed 5 R/min				NJAC 7:28- 15.5(b)6	
	Measured:	1				
	R/min at k	Vp		mA		
17	Units with both automatic and manual exposure				NJAC 7:28-	
	rate control not to exceed 10 R/min				15.5(b)5	
	Measured:					
	R/min at k	Vp		mA		
	High Level Control	T		1		
18	A special means of activation (such as two step pedal)				NJAC 7:28- 15.5(b)7i	
19	Continuous manual activation provided for				NJAC 7:28-	
	operator				15.5(b)7ii	
20	Continuous signal audible to operator				NJAC 7:28- 15.5(b)7iii	
Н	igh Contrast Resolution/Low Contrast Resoluti	on for ]	Fluorosco	py Vide	o Monitor	
21	High contrast meets manufacturer's specifications				Manufacturer's	
	Manufacturer's specifications:	•	1			
	Measured :					
22	Low contrast meets manufacturer's				Manufacturer's	
	Manufacturer's specifications:					
	1					
	Measured :					
	Spot Film Automatic Exposure Control (AEC) System Performance					
23	AEC meets manufacturer's specifications				Manufacturer's	
	Manufacturer's specifications:			•		
	Measured :					

Item	Description	Pass	Needs Repair	N/A	Standard	
High Co	High Contrast Resolution/Low Contrast for Fluoroscopy Image recording System (i.e. spot					
	film device, cine system, video	tape sy	stem)			
NOTE: 11	fluoroscopy unit has more then one image record	ling sys	tem (1.e. a	spot filr	n device and a	
videotape	e system) each system must be tested					
24	High contrast resolution of spot film device meets manufacturer's specifications				Manufacturer's	
	Manufacturer's specifications:	I		I		
	Measured:					
25	High contract resolution of sine system mosts				Monufooturor's	
23	manufacturer's specifications				Manufacturer s	
	Manufacturer's specifications:					
	Measured:					
26	High contrast resolution of videotape system meets				Manufacturer's	
	manufacturer's specifications					
	Manufacturer's specifications:					
	Measured:					
27	High contrast resolution of (insert name of device)				Manufacturer's	
	meets manufacturer's specifications					
	Manufacturer's specifications:					
	Measured:					
28	Low contrast resolution of spot film device meets				Manufacturer's	
	manufacturer's specifications					
	Manufacturer's specifications:					
	Measured:					
29	Low contrast resolution of cine system meets				Manufacturer's	
	manufacturer's specifications					
	Manufacturer's specifications.					
	Measured:					
30	Low contrast resolution of videotape system				Manufacturer's	
	meets manufacturer's specifications					
	Manufacturer's specifications:					
	Measured:					
31	Low contrast resolution of (insert name of device)				Manufacturer's	
	meets manufacturer's specifications					
	Manufacturer's specifications:	ı	1	ı		
	Massurad					
	measuleu.					

Half Value Layer       Manufacturer's specification:     Manufacturer's specification:       Manufacturer's specification:     Manufacturer's specification:       Kilovoltage       Status     Manufacturer's specification:       Manufacturer's s	Item	Description	Pass	Needs Repair	N/A	Standard	
32   Half value layer meets manufacturer's specification:   Manufacturer's     Manufacturer's specification:   Manufacturer's     33   Kilovoltage meets manufacturer's specification:   Manufacturer's     34   Kilovoltage meets manufacturer's specification:   Manufacturer's     Manufacturer's specification:   Manufacturer's     33   Kilovoltage meets manufacturer's specification:   Manufacturer's     Measured:   Measured:   Manufacturer's     Thuoroscopic and Spot Film Collimator Assessment     Image Intensified Units – Test all magnification modes   NJAC 7:28-     38   Length/with of the X-ray field not to exceed that of the SID   NJAC 7:28-     39   Sum of the excess length and excess width not to exceed   NJAC 7:28-     40   Rectangular X-ray field with a circular receptor, error   NJAC 7:28-     15.5(b)3ii   in digament determined by comparison of the length and widt of the X-ray field with the diameter of the visible area of the image receptor which parallels them   NJAC 7:28-     41   Means indicate when system is perpendicular where angle between image receptor which parallels them   NJAC 7:28-     43   Stepless adjustment at greatest SID to provide continuous field sizes from maximum to 5 cm X 5 cm   S:5(b)3iii  <		Half Value Laver					
Manufacturer's specification:     Kilovoltage       33     Kilovoltage meets manufacturer's specification:     Manufacturer's specification:       34     Kilovoltage meets manufacturer's specification:     Manufacturer's specification:       Measured:     Measured:     Manufacturer's specification modes       38     Length/width of the X-ray field not to exceed that of the visible area of the image receptor by more than 3% of the SID     NJAC 7:28-15.5(b)3ii       39     Sum of the excess length and excess width not to exceed     NJAC 7:28-15.5(b)3ii       4% of the SID     NJAC 7:28-15.5(b)3ii     NJAC 7:28-15.5(b)3ii       40     Rectangular X-ray field with a circular receptor, error in alignment determined by comparison of the length and width of the X-ray field with the diameter of the visible area of the image receptor which parallels them     NJAC 7:28-15.5(b)3ii       41     Means to indicate when system is perpendicular where angle between image receptor and heam axis is variable     NJAC 7:28-15.5(b)3ii       42     Beam limiting device present and meets all requirements     NJAC 7:28-15.5(b)3ii       43     Stepless adjustment areaset SID to provide continuous field sizes from maximum to 5 cm X 5 cm     Stob)3ii       44     Override of automatic adjustment in case of system failure     NJAC 7:28-15.5(b)3iii       45     <	32	Half value layer meets manufacturer's specification:				Manufacturer's	
Kilovoltage       Silovoltage meets manufacturer's specification:     Manufacturer's specification:       Manufacturer's specification:     Manufacturer's specification:       Measured:       Fluoroscopic and Spot Film Collimator Assessment       Measured:       Nage Intensified Units – Test all magnification modes       Sum of the x-ray field not to exceed that of the visible area of the image receptor by more than 3% of the SID       39     Sum of the excess length and excess width not to exceed 44% of the SID       4% of the SID       A weetangular X-ray fields with a circular receptor, error in alignment determined by comparison of the length and with of the X-ray field with the dimeter of the visible area of the image receptor which parallels them     NJAC 7:28-15.5(b)3ii       41       Means to indicate when system is perpendicular where angle between image recept and becam axis is variable       and with of dimets is available       In Stol)Siv       Automatically imit the x-ray field to to exceed 2% of the SiD       Automatically limit the x-ray field at the time of the image receptor shall differ by more than 3% of the SID		Manufacturer's specification:					
Kilovoltage       Kilovoltage meets manufacturer's specification:     Manufacturer's specification:       Manufacturer's specification:     Manufacturer's specification:       Measured:       Fluoroscopic and Spot Film Collimator Assessment       Image Intensified Units – Test all magnification modes       38     Length/width of the X-ray field not to exceed that 0f the visible area of the image receptor by more than 3% of the SID     NJAC 7:28-       39     Sum of the excess length and excess width not to exceed 4     NJAC 7:28-       15.5(b)3ii       40     Rectangular X-ray field with a circular receptor, error in alignment determined by comparison of the length and width of the X-ray field with the diameter of the visible area of the image receptor which parallels them     NJAC 7:28-       41     Means to indicate when system is perpendicular where angle between image receptor and beam axis is variable and vidth of the X-ray field with the diameter of the visible area of the image receptor and beam axis is variable action is 0.5(b)3iii     15.5(b)3i, 3vi       42     Beam limiting device present and meets all requirements     15.5(b)3i, 3vi       43     Steples adjustment a greatest SID to provide continuous field sizes from maximum to 5 cm X 5 cm     15.5(b)3i, 3vi <td colspanelength="" nor="" of<="" td=""><td></td><td></td><td></td><td></td><td></td><td></td></td>	<td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
Kilovoltage       Silovoltage meets manufacturer's specification:     Manufacturer's specification:       Manufacturer's specification modes       Manufacturer's specification modes       Manufacturer's respecification modes       <		Measured:					
33   Kilovoltage meets manufacturer's specification:   Manufacturer's     Manufacturer's specification:   Measured:     Image Intensified Units – Test all magnification modes     38   Length/width of the X-ray field not to exceed that of the visible area of the image receptor by more than 3% of the SID   NJAC 7:28-15.5(b)3i     39   Sum of the excess length and excess width not to exceed 4% of the SID   NJAC 7:28-15.5(b)3ii     40   Rectangular X-ray fields with a circular receptor, error in alignment determined by comparison of the length and width of the X-ray field with the diameter of the visible area of the image receptor which parallels them   NJAC 7:28-15.5(b)3ii     41   Means to indicate when system is perpendicular where angle between image receptor and beam axis is variable   NJAC 7:28-15.5(b)3ii     42   Beam limiting device present and meets all requests all sizes dijustment at greatest SID to provide continuous field sizes from maximum to 5 cm X 5 cm   NJAC 7:28-15.5(b)3vii     44   Override of automatic adjustment in case of system failurer   NJAC 7:28-15.5(b)3vii     45   Automatically limit the x-ray field at the time of exposure   NJAC 7:28-15.5(b)3vii     47   Image receptor shall differ by more than 3% of the SID   NJAC 7:28-15.5(b)3vii     48   A device provided to reduce the x-ray field to a size smaller whore fiering erceceptor shall differ by more than 3% of the SID<		Kilovoltage					
Manufacturer's specification:       Measured:       Image Intensified Units – Test all magnification modes       38     Length/width of the X-ray field not to exceed that of the visible area of the image receptor by more than 3% of the SID     NJAC 7:28-15.5(b)3i       39     Sum of the excess length and excess width not to exceed     NJAC 7:28-15.5(b)3ii       40     Rectangular X-ray fields with a circular receptor, error in alignment determined by comparison of the length and width of the X-ray field with the diameter of the visible area of the image receptor which parallels them     NJAC 7:28-15.5(b)3ii       41     Means to indicate when system is perpendicular where angle between image receptor and beam axis is variable     NJAC 7:28-15.5(b)3iv       42     Beam limiting device present and meets all continuous field sizes from maximum to 5 cm X 5 cm     NJAC 7:28-15.5(b)3vii       43     Stepless adjustment at greatest SID to provide continuous field sizes from maximum to 5 cm X 5 cm     NJAC 7:28-15.5(b)3viii       44     Override of automatic adjustment in case of system finage receptor shall differ by more than 3% of the SID     NJAC 7:28-15.5(b)3viii       45     Automatically limit the x-ray field in the pane of the image receptor shall differ by more than 3% of the SID     NJAC 7:28-15.5(b)18ii       44     Override of automatic adjustment not to exceed 2% of the SID     NJAC 7:28-15.5(b)18ii	33	Kilovoltage meets manufacturer's specification:				Manufacturer's	
Fluoroscopic and Spot Film Collimator Assessment       Image Intensified Units – Test all magnification modes       38     Length/width of the X-ray field not to exceed that of the visible area of the image receptor by more than 3% of the SID     NJAC 7:28-15.5(b)3i       39     Sum of the excess length and excess width not to exceed     NJAC 7:28-15.5(b)3i       40     Rectangular X-ray fields with a circular receptor, error in alignment determined by comparison of the length and width of the X-ray field with the diameter of the visible area of the image receptor which parallels them     NJAC 7:28-15.5(b)3ii       41     Means to indicate when system is perpendicular where angle between image receptor and beam axis is variable     NJAC 7:28-15.5(b)3iv       42     Beam limiting device present and meets all requirements     NJAC 7:28-15.5(b)3ivi       43     Stepless adjustment at greatest SID to provide contautomatic adjustment in case of system     NJAC 7:28-15.5(b)3viii       44     Override of automatic adjustment in case of system     NJAC 7:28-15.5(b)3viii       45     Automatically limit the x-ray field at the time of exposure     NJAC 7:28-15.5(b)18ii       46     Neither length nor of the x-ray field in the pane of the image receptor shall differ by more than 3% of the SID     NJAC 7:28-15.5(b)18ii       47     Image receptor centers all sizes used     NJAC 7:28-15.5(b)18ii <td></td> <td>Manufacturer's specification:</td> <td></td> <td></td> <td></td> <td></td>		Manufacturer's specification:					
Fluoroscopic and Spot Film Collimator Assessment       Image Intensified Units – Test all magnification modes       38     Length/width of the X-ray field not to exceed that of the visible area of the image receptor by more than 3% of the SID     NJAC 7:28-15.5(b)3i       39     Sum of the excess length and excess width not to exceed 44% of the SID     NJAC 7:28-15.5(b)3ii       40     Rectangular X-ray fields with a circular receptor, error in alignment determined by comparison of the length and width of the X-ray field with the diameter of the visible area of the image receptor which parallels them     NJAC 7:28-15.5(b)3ii       41     Means to indicate when system is perpendicular where angle between image receptor which parallels them     NJAC 7:28-15.5(b)3vii       42     Beam limiting device present and meets all requirements     NJAC 7:28-15.5(b)3vii       43     Stepless adjustment at greatest SID to provide continuous field sizes from maximum to 5 cm X 5 cm     NJAC 7:28-15.5(b)3viii       44     Override of automatic adjustment in case of system failure     NJAC 7:28-15.5(b)3viii       45     Automatically limit the x-ray field in the pane of the image receptor shall differ by more than 3% of the SID     NJAC 7:28-15.5(b)18ii       46     Neither length nor of the x-ray field in the pane of the image receptor shall differ by more than 3% of the SID     15.5(b)18ii       47     Image receptor centers a		Measured:					
Image Intensified Units – Test all magnification modes       38     Length/width of the X-ray field not to exceed that of the visible area of the image receptor by more than 3% of the SID     NJAC 7:28-15.5(b)3i       39     Sum of the excess length and excess width not to exceed 4% of the SID     NJAC 7:28-15.5(b)3ii       40     Rectangular X-ray fields with a circular receptor, error in alignment determined by comparison of the length and width of the X-ray field with the diameter of the visible area of the image receptor which parallels them     NJAC 7:28-15.5(b)3ii       41     Means to indicate when system is perpendicular where angle between image receptor and beam axis is variable 15.5(b)3ivi     NJAC 7:28-15.5(b)3ivi       42     Beam limiting device present and meets all requirements     NJAC 7:28-15.5(b)3vi       43     Stepless adjustment at greatest SID to provide continuous field sizes from maximum to 5 cm X 5 cm     NJAC 7:28-15.5(b)3vii       44     Override of automatic adjustment in case of system failure     NJAC 7:28-15.5(b)3vii       45     Automatically limit the x-ray field at the time of exposure     NJAC 7:28-15.5(b)3vii       47     Image receptor shall differ by more than 3% of the SID     IJS.5(b)18ii       47     Image receptor centers alignment not to exceed 2% of the SID     NJAC 7:28-15.5(b)18ii       47     Image receptor centers alignment not to exceed 2% of the S		Fluoroscopic and Spot Film Collin	nator A	ssessment	;		
38   Length/width of the X-ray field not to exceed that of the visible area of the image receptor by more than 3% of the SID   NJAC 7:28-15.5(b)3i     39   Sum of the excess length and excess width not to exceed 4% of the SID   NJAC 7:28-15.5(b)3ii     40   Rectangular X-ray fields with a circular receptor, error in alignment determined by comparison of the length and width of the X-ray field with the diameter of the visible area of the image receptor which parallels them   NJAC 7:28-15.5(b)3ii     41   Means to indicate when system is perpendicular where angle between image receptor and beam axis is variable   NJAC 7:28-15.5(b)3ii     42   Beam limiting device present and meets all requirements   NJAC 7:28-15.5(b)3ii   NJAC 7:28-15.5(b)3ii     43   Stepless adjustment at greatest SID to provide continuous field sizes from maximum to 5 cm X 5 cm   NJAC 7:28-15.5(b)3vii   15.5(b)3vii     44   Override of automatic adjustment in case of system failure   NJAC 7:28-15.5(b)3viii   15.5(b)3viii     45   Automatically limit the x-ray field at the time of exposure   NJAC 7:28-15.5(b)18ii   15.5(b)18ii     47   Image receptor shall differ by more than 3% of the SID   NJAC 7:28-15.5(b)18ii   15.5(b)18ii     47   Image receptor shall differ by more than 3% of the SID   15.5(b)18ii   15.5(b)18ii     48   A device provided to reduce the x-ray field to a s		Image Intensified Units – Test all magnification	on mod	es			
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the SID   NJAC 7:28-     39   Sum of the excess length and excess width not to exceed   NJAC 7:28-     4% of the SID   15.5(b)3ii     40   Rectangular X-ray fields with a circular receptor, error in alignment determined by comparison of the length and width of the X-ray field with the diameter of the visible area of the image receptor which parallels them   NJAC 7:28-     41   Means to indicate when system is perpendicular where angle between image receptor and beam axis is variable   NJAC 7:28-     42   Beam limiting device present and meets all requirements   NJAC 7:28-     43   Stepless adjustment at greatest SID to provide continuous field sizes from maximum to 5 cm X 5 cm   NJAC 7:28-     44   Override of automatic adjustment in case of system failure   NJAC 7:28-     45   Automatically limit the x-ray field at the time of exposure   NJAC 7:28-     45   Automatically limit the x-ray field in the pane of the image receptor shall differ by more than 3% of the SID   NJAC 7:28-     47   Image receptor centers alignment not to exceed 2% of the SID   NJAC 7:28-     48   A device provided to reduce the x-ray field to a size smaller than the image receptor   15.5(b)18ii     47   Image receptor   15.5(b)18ii     48   A device provided to reduce the x-ray field to a size smaller than		visible area of the image receptor by more than 3% of				15.5(b)3i	
39   Sum of the excess length and excess width not to exceed 4% of the SID   NJAC 7:28- 15.5(b)3ii     40   Rectangular X-ray fields with a circular receptor, error in alignment determined by comparison of the length and width of the X-ray field with the diameter of the visible area of the image receptor which parallels them   NJAC 7:28- 15.5(b)3ii     41   Means to indicate when system is perpendicular where angle between image receptor and beam axis is variable   NJAC 7:28- 15.5(b)3ii     42   Beam limiting device present and meets all requirements   NJAC 7:28- 15.5(b)3v;     43   Stepless adjustment at greatest SID to provide continuous field sizes from maximum to 5 cm X 5 cm   NJAC 7:28- 15.5(b)3v;iii     44   Override of automatic adjustment in case of system failure   NJAC 7:28- 15.5(b)3v;iii     45   Automatically limit the x-ray field at the time of exposure   NJAC 7:28- 15.5(b)18ii     46   Neither length nor of the x-ray field in the pane of the image receptor shall differ by more than 3% of the SID   NJAC 7:28- 15.5(b)18ii     47   Image receptor centers alignment not to exceed 2% of the SID   NJAC 7:28- 15.5(b)18ii     48   A device provided to reduce the x-ray field to a size smaller than the image receptor   NJAC 7:28- 15.5(b)18iv     49   With fixed SID the minimum field size shall nor exceed 5 cm X 5 cm   NJAC 7:28- 15.5(b)18iv2     51   Automatic		the SID					
4% of the SID   15.5(b)3ii     40   Rectangular X-ray fields with a circular receptor, error in alignment determined by comparison of the length and width of the X-ray field with the diameter of the visible area of the image receptor which parallels them   NJAC 7:28-     41   Means to indicate when system is perpendicular where angle between image receptor and beam axis is variable   NJAC 7:28-     42   Beam limiting device present and meets all requirements   NJAC 7:28-     43   Stepless adjustment at greatest SID to provide continuous field sizes from maximum to 5 cm X 5 cm   NJAC 7:28-     44   Override of automatic adjustment in case of system failure   NJAC 7:28-     45   Automatically limit the x-ray field at the time of exposure   NJAC 7:28-     45   Automatically limit the x-ray field in the pane of the image receptor shall differ by more than 3% of the SID   NJAC 7:28-     47   Image receptor shall differ by more than 3% of the SID   15.5(b)18ii     48   A device provided to reduce the x-ray field to a size smaller than the image receptor   NJAC 7:28-     49   With fixed SID the minimum field size shall nor exceed 2% of the SID the minimum field size shall nor exceed 5% of SID (8):18ii   NJAC 7:28-     50   With xriable SID shall have stepless adjustment of the field size to 5 cm X 5 cm   15.5(b)18iv1     50   Wi	39	Sum of the excess length and excess width not to exceed				NJAC 7:28-	
40   Rectangular X-ray fields with a circular receptor, error in alignment determined by comparison of the length and width of the X-ray field with the diameter of the visible area of the image receptor which parallels them   NJAC 7:28- 15.5(b)3iii     41   Means to indicate when system is perpendicular where angle between image receptor and beam axis is variable   NJAC 7:28- 15.5(b)3iv     42   Beam limiting device present and meets all requirements   NJAC 7:28- 15.5(b)3v, 3vi     43   Stepless adjustment at greatest SID to provide continuous field sizes from maximum to 5 cm X 5 cm   NJAC 7:28- 15.5(b)3viii     44   Override of automatic adjustment in case of system failure   NJAC 7:28- 15.5(b)3viii     45   Automatically limit the x-ray field at the time of exposure   NJAC 7:28- 15.5(b)18ii     46   Neither length nor of the x-ray field in the pane of the image receptor shall differ by more than 3% of the SID   NJAC 7:28- 15.5(b)18ii     47   Image receptor centers alignment not to exceed 2% of the SID   NJAC 7:28- 15.5(b)18iii     48   A device provided to reduce the x-ray field to a size smaller than the image receptor   NJAC 7:28- 15.5(b)18ivi1     50   With fixed SID the minimum field size shall nor exceed 5 cm X 5 cm   NJAC 7:28- 15.5(b)18ivi2     50   With variable SID shall have stepless adjustment of the field size to 5 cm X 5 cm   NJAC 7:28- 15.5(b)18iv1     51		4% of the SID				15.5(b)3ii	
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42   Bean mining device present and meets an requirements   15.7(b) 3v, 3vi     43   Stepless adjustment at greatest SID to provide continuous field sizes from maximum to 5 cm X 5 cm   NJAC 7:28-15.5(b) 3v; ii     44   Override of automatic adjustment in case of system failure   NJAC 7:28-15.5(b) 3v; ii     45   Automatically limit the x-ray field at the time of exposure   NJAC 7:28-15.5(b) 18i     46   Neither length nor of the x-ray field in the pane of the image receptor shall differ by more than 3% of the SID   NJAC 7:28-15.5(b) 18i     47   Image receptor centers alignment not to exceed 2% of the SID   NJAC 7:28-15.5(b) 18ii     48   A device provided to reduce the x-ray field to a size smaller than the image receptor   NJAC 7:28-15.5(b) 18ii     49   With fixed SID the minimum field size shall nor exceed 5 cm X 5 cm   NJAC 7:28-15.5(b) 18iv1     50   With variable SID shall have stepless adjustment of the field size to 5 cm X 5 cm   NJAC 7:28-15.5(b) 18iv1     51   Automatic x-ray field size adjustment override   NJAC 7:28-15.5(b) 18iv2	42	angle between image receptor and beam axis is variable				15.5(0)51V	
43   Stepless adjustment at greatest SID to provide continuous field sizes from maximum to 5 cm X 5 cm   NJAC 7:28- 15.5(b)3vii     44   Override of automatic adjustment in case of system failure   NJAC 7:28- 15.5(b)3vii     45   Automatically limit the x-ray field at the time of exposure   NJAC 7:28- 15.5(b)18i     46   Neither length nor of the x-ray field in the pane of the image receptor shall differ by more than 3% of the SID   NJAC 7:28- 15.5(b)18ii     47   Image receptor centers alignment not to exceed 2% of the SID   NJAC 7:28- 15.5(b)18ii     48   A device provided to reduce the x-ray field to a size smaller than the image receptor   NJAC 7:28- 15.5(b)18ii     49   With fixed SID the minimum field size shall nor exceed 5 cm X 5 cm   NJAC 7:28- 15.5(b)18iv1     50   With variable SID shall have stepless adjustment of the field size to 5 cm X 5 cm   NJAC 7:28- 15.5(b)18iv2     51   Automatic x-ray field size adjustment override   NJAC 7:28- 15.5(b)18iv1	42	requirements				NJAC 7:28- 15 5(b)3y 3yi	
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	51	Automatic x-ray field size adjustment override				NJAC /:28- 15 5(b)18v	

		-	Needs		
Item	Description	Pass	Repair	N/A	Standard
	<b>Review of Facility/Technologist</b>	QC Tes	st Records	•	
52	All QC tests comply with the minimum frequencies and standards as per N.J.A.C. 7:28-22.6.				NJAC 7:28-22.6
	If no, please specify finding(s)				
	PROHIBITED INSTAL	LATIO	NS		
No perso	n shall operate, permit to be operated, maintain or	display	in workin	g condi	tion any of the
following		1 5		0	5
53	Shoe-fitting fluoroscopic devices				15.11(a)1
54	Chest photo-fluorographic machine after October 18, 1994				15.11(a)2
55	Fixed vertical systems designed for non-image intensified fluoroscopy used for radiography after October 18, 1994				15.11(a)3
56	Uncertified fluoroscopic equipment that does not have image intensification after October 18, 1994.				15.11(a)4
57	Hand-held fluoroscopic screens				15.11(a)5

Summary of Areas Needing Correction					
		8			
		•			
	Recommendat	ions			
	Statement of Me	eeting			
Date of the Meeting or	Conference Call				
Persons Attending					
Registrant's Receipt of Report					
I have received this report and Lagree to correct any deficiencies in accordance with N LA C					
7:28-22.9(f).					
Registrant	or designee signature	Date			
Kegistialit	or aconglice orginature	Daic			

### kVp Accuracy

Provide measurements in diagnostic range for minimum of six (6) different kVp settings.

mA Set =	mS Set =	mAs Set=	
kVp Set	kVp Measured	% kVp Error	mR Measured

% Accuracy = ( measured value – set value) x 100 set value

# Half-Value Layer (HVL)

Minimum of three (3) measurements: One measurement for zero mm Al, one measurement before actual HVL and one measurement near actual HVL.

kVp Set =		
mS Set =	mA Set =	mAs Set =
mm Al.	kVp Measured	mR Measured
0 mm Al		
mm Al	@ kVp	