Form 1 **Processor Quality Control Chart**

Processor: _____ Film: _____ Emulsion #: _____Year: _____

Month																															
Day																															
Performed by																															
Developer Temperature																															

DD = Step   – Step

	+0.15																															
	+0.10																															
	+0.05																															
Density																															
Difference																															
	-0.05																															
	-0.10																															
	-0.15																															

Mid Density Step =

	+0.15																															
	+0.10																															
	+0.05																															
Mid																															
Density																															
	-0.05																															
	-0.10																															
	-0.15																															

Base + Fog Step =

	+0.03																															
Base +																															
Fog																															
	-0.03																															

Date	Remarks/Action Taken

Form 2   **Establishing Film Processor Operating Levels Worksheet**

Record all 21-density readings for each strip under the appropriate step and B+F (Base plus Fog)
Determine average for each step and B+F.

Step #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	B+F
Strip1																						
Strip 2																						
Strip 3																						
Strip 4																						
Strip 5																						

Average																						

Determine the Mid-density (MD). This is the step with an average density <u>closest to but not less than 1.20.</u>
Determine the High-density (HD). This is the step with an average density closest to 2.20.
Determine the Low-density (LD). This is the step with an average density closest to but not less than 0.45.
Determine the Density-difference (DD). Subtract the LD from the HD.

	Mid-density (MD)	High-Density (HD)	Low-density (LD)
Step #			
Average density			

Density difference (DD) = HD - LD	

Form 3   Cross-Over Data Sheet

Date Performed:

Old Emulsion Data

Old Emulsion #

	Base + Fog	MD	LD	HD
Strip 1				
Strip 2				
Strip 3				
Strip 4				
Strip 5				
Average				

Density Difference = HD - LD
DD =

New Emulsion Data

New Emulsion #

	Base + Fog	MD	LD	HD
Strip 1				
Strip 2				
Strip 3				
Strip 4				
Strip 5				
Average				

Density Difference = HD – LD
DD =

Determining Differences Between Old and New Emulsions

	Base + Fog	MD	DD
New Emulsion Average			
Old Emulsion Average			

Difference (New-Old)			

Determining New Operating Level from Old Level and Differences

	Base + Fog	MD	DD
Difference (New-Old)			
Old Operating Level			

New Operating Level (Diff +Old)			