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			

New Emulsion Data			
New Emulsion #			
Base + Fog	MD	LD	HD

Average

Density Difference = HD - LD
DD =

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)			