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DUST COLLECTION SYSTEM NORMAL OPERATING BASELINE



IDENTIFY CHANGES, RECOGNIZE EARLY WARNING SIGNS, AND MAKE BETTER MAINTENANCE DECISIONS.

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SYSTEM INFORMATION

Facility:	
Department or production area:	
Dust Collector ID:	
Manufacturer and model:	
Collector type:	Pulse-jet / Shaker / Reverse-air / Cartridge
Design Airflow:	
Fan manufacturer and model:	
Motor horsepower:	
Number and type of filters:	
Date baseline established:	
Inspector:	

PROCESS CONDITIONS

Product or material processed:	
Normal production rate:	
Number of operating pickup points:	
Active hoods or branches:	
Damper positions:	
Process temperature:	
Process moisture or humidity:	
Dust loading or process condition:	
VFD frecuency or fan speed:	

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BASELINE OPERATING READINGS

PARAMETER	MEASUREMENT LOCATION	DESIGN VALUE	NORMAL RANGE	WARNING LIMIT
Differential Pressure	Collector			
Total system airflow	Main duct			
Duct velocity	Main duct			
Airflow or capture condition	Individual hoods			
Fan speed	Fan			
VFD frequency	Control panel			
Motor amperage	Fan motor			
Fan vibration	Fan bearings			
Bearing temperature	Fan bearings			
Compressed-air pressure	Air header			
Pulse duration	Controller			
Pulse delay	Controller			
Compressed-air consumption	Cleaning system			
Hopper level	Hopper			
Particulate reading	Clean-air outlet			
Outlet temperature	Collector outlet			

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FUNCTIONAL CONDITION

COMPONENT OR CONDITION	NORMAL	NOTES
Dust is captured effectively at all hoods		
Pulse valves fire in the correct sequence		
Compressed air is clean, dry, and stable		
Hopper empties completely		
Rotary valve or screw conveyor operates normally		
No visible emissions are present		
No abnormal dust buildup is present		
No unusual noise or vibration is present		
Access doors and seals do not leak		
Monitoring devices and alarms operate correctly		
Explosion-protection equipment is in service		

BASELINE VERIFICATION

Number of readings collected: _____
Monitoring period: _____
Production conditions remained stable: Yes □ No □
System was operating correctly during testing: Yes □ No □
Repairs or adjustments completed before establishing baseline:

Additional observations:

Approved by: _____
Date: _____

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THE MOST TRUSTED NAME IN DUST COLLECTION.