

2.0 OPERATION AND MAINTENANCE

In order to ensure the correct performance of baghouses and fabric filters, an inspection schedule is necessary, as well as the timely repair and replacement of damaged or malfunctioning equipment.

2.1 Observations, Checks, and Operation

The following observations, checks and operations apply to these sources and shall be conducted on the schedule specified:

Daily

1. Check pressure drop.
2. Observe stack (visual).
3. Walk through system listening for proper operation (audible leaks, proper fan and motor functions, etc.).
4. Note any unusual occurrence in the process being ventilated.
5. Assure that dust is being removed from the system.

Weekly

1. Check reverse air pressure, as applicable.
2. Check bag/cartridge cleaning sequence to ensure that all valves are opening and closing properly, as applicable.
3. Check pressure drop indicating equipment for plugged valves.

Monthly

1. Inspect screw conveyor and air lock bearings for lubrication.
2. Operate all damper valves (isolation, by-pass, etc.).
3. Inspect housing for corrosion.

Quarterly

1. Inspect baffle plate for wear.
2. Check screw conveyor flighting.

Semi-Annually

1. Inspect fans for corrosion and material build-up.

Annually

1. Thoroughly inspect bags/cartridges and replace as needed.
2. Check all bolts.
3. Check welds.
4. Inspect hopper for wear.
5. Spot check bag tension inside bag collector.
6. Check gaskets on all doors.

Additionally, a spare parts inventory will be maintained to reduce downtime due to common malfunctions.

2.2 Recordkeeping

Records of inspection, maintenance and performance parameter data shall be retained as applicable and shall be made available to the RESD upon request.

TABLE 1

EQUIPMENT SPECIFICATIONS AND RECOMMENDED OPERATION PARAMETERS

	A	B	C
Manufacturer	Hosokawa MikroPul	Hosokawa MikroPul	National Turbine
Model Number	3GT 121S-8C	36S8	48x86 Dual Cartridge Pulse Jet
Type of Unit	Reverse Air Flow	Reverse Air Flow	Pulse Jet
Design Flow Rate	7,500 cfm	2,000 cfm	Pulse Jet
Efficiency Rating	99.9%	99.9%	99.9%
Pressure Drop	0.1 to 0.95 inches of water gauge	0.1 to 2 inches of water gauge	2 to 10 inches of water gauge
Air to Cloth Ratio	6.25 feet per minute	5.60 feet per minute	19.1 feet per minute
Filter Media	Polyester Bag	Polyester Bag	Polyester-Bottom Access-Dual Cartridge
Inlet Gas Temp.	Ambient	Ambient	Ambient
Outlet Gas Temp.	Ambient	Ambient	Ambient
Bag Cleaning Mechanism	Compressed air reverse flow	Compressed air reverse flow	Compressed air pulse jet mechanism