

# Dust Collector Maintenance Checklist

## Checklist

## Frequency

- |  |                   |
|--|-------------------|
| 1. Visual check of LED differential reading.<br>Note: Differential pressure across cartridges should not exceed 5" WG, if system is at steady state fan pulling air. System may take several days to achieve a full dust cake loading. | Daily             |
| 2. Check for air leaks   | Daily (per shift) |
| 3. Listen for unusual noises in dust collector fan and motor   | Daily             |
| 4. Inspect pulse valve for diaphragm leaks. Note: Pulse valve failures (ruptured diaphragm) will affect the collector cleaning system, repair as soon as possible.   | Weekly            |
| 5. Check compressed air regulators on pulsing system.  | Weekly            |
| 6. Check air pressure for pulsing system. Note: Air pressure should be 90 psi during normal operation.   | Weekly            |
| 7. Check fan belts, if applicable.   | Weekly            |
| 8. Pulse valves working when activated.  | Monthly           |
| 9. Inspect for broken welds or holes in dust collector housing and connecting duct work.   | Yearly            |

USAF has prepared this list of recommended preventative maintenance checks that can provide a better operating system with less overall maintenance and increased up-time. The frequency is only a recommendation. You may wish to increase or decrease the frequency.