Daily

- Check the manometer/magnehelic gauge reading. This will alert you to when the bags require shaking or when there is a problem developing inside the collector.

- Check the fan discharge for visible dust emissions. If a visible emission is present, turn off the fan and inspect the interior of the collector for worn or leaking bags/cartridges.

- Check the hopper. It should be emptied when level is one-third full. When emptying the hopper, check for useable abrasive as its presence indicates a problem with the system.

Monthly

- Shaker type collector - check shaker V Belts for cracks and tension.
- Check fan V Belts for proper tension.
- Check the duct system for leaks or any settled material accumulating. This material should be removed before it interferes with the air flow.

Quarterly

- Inspect baffle plates behind the inlet pipe, and if appreciable wear is evident, replace. If neglected, the abrasive action will shorten bag/cartridge life.

Annually

- The dust collector housing must be maintained in an air and water tight condition. Flange bolts should be tightened and seams recaulked whenever leaks are detected. Protection against corrosion is required usually in the form of periodic painting as needed.
- Access and inspection doors must be kept tightly closed, except when the collector is being worked on. Threaded members in clamps, etc. must be lubricated and protected from corrosion. Door seals and gaskets should be maintained in good condition and replaced when they lose resiliency or become damaged. Door seals and gaskets are not to be painted at any time.

Safety

Before any maintenance is attempted on any of your equipment, be sure to disconnect the main power source and lock out the main panel. After the main panel is locked out, attempt to start one of the motors to assure electrical power has been disconnected.

Be sure that all guards are replaced and properly protect all moving chains, belts, drives, etc. to assure protection when working in the area.

Patents Granted

In the Blast Cleaning Field

Printed copies of patents are furnished by the Patent and Trademark Office for $3.00 each. Address orders to: Commissioner of Patents and Trademarks, Wash., DC 20231

Blast Nozzle with Atomizer for Dust Control

US Patent 5,401,204 March 28, 1995

J.D. Shank, assignor to Church & Dwight Co., Inc.

Princeton, NJ

A process for removing contaminants from the surface of a solid substrate comprising directing a stream of abrasive friable sodium bicarbonate particles capable of stripping the contaminants upon contact by means of a blast nozzle.