



SUPPORTING EXPOSURE CONTROL PLANS

Tools and technologies to support silica dust exposure control plans and help you work toward OSHA compliance.

- Wet sweeping
- Water flooding
- Dry sweeping with HEPA filtration when other methods aren't feasible



MANAGING THE SILICA DUST CHALLENGE

Silica dust poses a particular challenge in many work environments, potentially putting your workers' health and safety at risk and exposing your organization to regulatory fines. With the right tools and technologies, you can work to create safe, healthy and productive work environments, and work toward OSHA compliance.

1

WET SWEEPING

Wet sweeping is effective in most applications. Several Tennant rider-sweepers can be used for wet sweeping.

- Continual water spray provides a shield of moisture on side brushes.
- Silica dust is kept moist until it is swept up and contained within the hopper.



2

WATER FLOODING

In certain applications, water flooding is a very effective means of silica dust control. All Tennant scrubbers, including walk-behind and ride-on machines, can be used for water flooding.

- Tennant scrubbers use water to contain silica dust, preventing it from becoming airborne.
- Scrubbers then remove the wet dust from floor surfaces.



SUPPORT YOUR EXPOSURE CONTROL PLAN

OSHA indicates that a comprehensive silica dust exposure control plan should be customized to the unique environment and needs of each organization, including a range of dust control measures. Fitting within OSHA's Engineering Controls housekeeping practices, Tennant solutions can play a key role in supporting an exposure control plan, and helping you work toward OSHA compliance.

Tennant offers three types of dust control methods that can be used to support OSHA silica control housekeeping requirements:

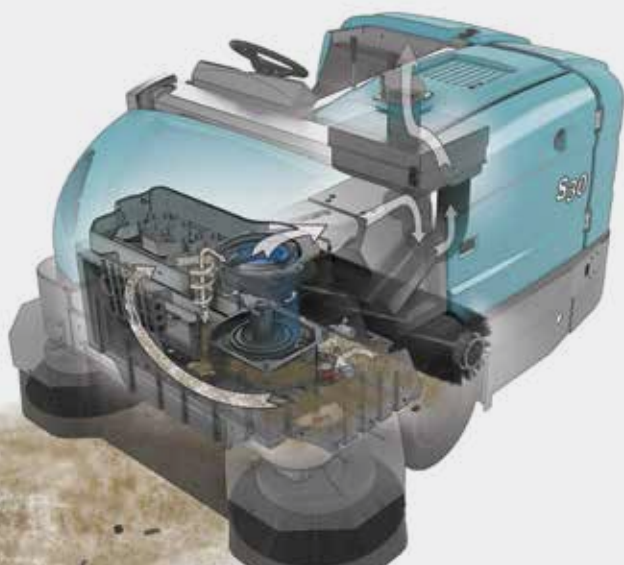
3

DRY SWEEPING WITH HEPA FILTRATION

*When other methods aren't feasible**

Dry sweeping with HEPA filtration is an OSHA-allowable method in applications where other methods, such as wet sweeping or HEPA vacuums, are not feasible. Several Tennant sweepers, riders and walk-behinds are available with HEPA filtration systems.

- Dry system providing a filtration efficiency of 99.97% to 0.3 microns.
- Leverages existing Tennant filtration systems, adding a final-stage HEPA system to collect and contain smaller particles.
- Tennant HEPA filters are supplier tested and certified.
- For additional operator protection, HEPA-pressurized cabs are available on select models.



*Organizations must determine that other methods for silica dust control are not feasible in their work environments.

TENNANT'S SILICA DUST CONTROL PORTFOLIO

DUST CONTROL METHOD	TENNANT PRODUCTS
Wet Sweeping	Sentinel®, S30, S20, M20 WOC, M30 WOC
Water Flooding	M30 WOC, M20 WOC, T20, T17, T16, T12, T7, 5700, 5680, T500/T500e, T300/T300e, T2, T1B, T1
Dry Sweeping with HEPA Filtration*	800, S30, S20, 6100, S10

*When wet sweeping or HEPA filtered vacuuming are not feasible



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GET STARTED TODAY.

Contact a Tennant representative to discuss your silica dust control strategy.

Visit [osha.gov/silica](https://www.osha.gov/silica) for more information on OSHA's silica dust control requirements.

www.tennantco.com

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