Table 1 – Equipment Names and Best Practice Tips

- Includes equipment terms commonly used by different trades and geographic areas
- 'Best practice' tips are intended to help employers and their employees operate the equipment-control options effectively and are based on 1) <u>OSHA's</u> <u>Small Entity Compliance Guide for the Respirable Crystalline Silica Standard for Construction;</u> 2) manufacturer specifications; and/or 3) craft worker/contractor input based on experience in the field.

Equipment/ Control	Photo	Names	Best Practice Tips
(i) Stationary masonry saws CONTROL: water	Table saw Brick/block saw	 OSHA¹ requires the employer to ensure that: The saw is equipped with an integrated water delivery system (commercially developed specifically for the type of tool in use) An adequate supply of water for dust suppression The spray nozzle is working properly to apply water at the point of dust generation The spray nozzle is not clogged or damaged 	
	Photo courtesy of the International Masonry Institute & OSHA		 All hoses and connections are intact Water is applied at least at the flow rate specified by the manufacturer Additional exhaust is provided as needed to minimize the accumulation of visible airborne dust when operating indoors or in an enclosed space (area where airborne dust can build up)
			 Other tips: Visually inspect the water attachment to ensure it is properly connected to the water source and the tool Inspect the blade for cracks, loose segments, or other damage Check the hose or water tubes and the water flow rate regularly to ensure it is sufficient to control the dust generated so that no visible dust² is emitted from the process once the blade has entered the substrate (material) being cut If recycling water, check regularly to make sure the water is circulating and change water to avoid silt build-up in water Prevent wet slurry from accumulating and drying



Equipment/ Control	Photo	Names	Best Practice Tips
(ii) Handheld power		Chop saw	OSHA ¹ requires the employer to ensure that:
saws (any blade			An adequate supply of water for dust suppression is used
diameter)		Cut-off saw	• The spray nozzle is working properly to apply water at the point of dust generation
CONTROL:		Wet saw	 The spray nozzle is not clogged or damaged
water + respirators ³			 All hoses and connections are intact
(APF 10 outdoors more than 4 hours		Partner saw	 Water is applied at least at the flow rate specified by the manufacturer
or all times indoors)	Steak y		 Additional exhaust is provided as needed to minimize the
			accumulation of visible airborne dust when operating indoors or in
	Photo courtesy of the International Masonry Institute & OSHA		an enclosed space (area where airborne dust can build up)
			Other tips:
			 Visually inspect water attachment to ensure it is properly connected to the water source and the tool
			• Inspect the blade for cracks, loose segments, or other damage
			• Check the hose and the water flow rate regularly to ensure it is
			sufficient to control the dust generated so that no visible dust ² is emitted from the process once the blade has entered the
			substrate (material) being cut
			 Prevent wet slurry from accumulating and drying Adjust nozzles so that water goes to the cutting area but still cools
			the blade



Equipment/ Control	Photo	Names	Best Practice Tips
(iii) Handheld		Worm drive	OSHA ¹ requires the employer to ensure that:
power saws for			• The shroud or cowling is intact and installed in accordance with the
cutting fiber-		Circular saw	manufacturer's instructions
cement board (with			• The hose connecting the tool to the vacuum is intact and without
blade diameter of 8		Cement saw	kinks or tight bends
inches or less)			• The filter(s) on the vacuum are cleaned or changed in accordance
			with the manufacturer's instructions to prevent clogging
CONTROL:			The dust collection bags are emptied to avoid overfilling
ventilation (local exhaust ventilation or LEV)	shop-vao		• The air flow rate is equal to or greater than recommended by the manufacturer
,	Photo courtesy of NIOSH		Other tips:
			When working indoors, provide sufficient ventilation to prevent
			build-up of visible airborne dust
			• Visually inspect the blade, hood (shroud or cowl), and the shop
			vacuum system for missing or damaged parts
			Check the hood (shroud or cowl) and dust collection system
			regularly to ensure the system is operating so that no visible dust ² is emitted from the process once the blade has entered the substrate (material)
			• The hose should be of sufficient size (\leq 1.25-inch inner diameter) to
			allow adequate airflow for the dust capture and transport, only be
			as long as necessary, and be kept as straight as possible
			• Visually inspect the blade, hood (shroud or cowl) and shop vacuum
			system to ensure they are properly connected
			• A high efficiency disposable filter bag can be used as a prefilter in
			the shop vacuum to capture most of the dust to prolong the life of
			the filter cartridge
			• Plug the shop vacuum or saw into intelligent vacuum switches or
			use a shop vacuums with a built-in intelligent vacuum switch
			• Regularly clean the saw, check and replace the filter, and empty the
			dust collection unit to prevent clogging and overheating
			• Do not use compressed air to clean the equipment, filters, work clothing, or work environment compressed air can damage the
			filter

Equipment/ Control	Photo	Names	Best Practice Tips
(iv) Walk-behind		Concrete saw	OSHA ¹ requires the employer to ensure that:
saws			An adequate supply of water for dust suppression is used
(iv) Walk-behind	Photo Image: Constraint of the the theory of the the theory of theory of the theory of theory of the theory of the theory of theory o		OSHA ¹ requires the employer to ensure that:



Equipment/ Control	Photo	Names	Best Practice Tips
(v) Drivable saws CONTROL: water	Foto courtesy of Diamond Products Imited		 OSHA¹ requires the employer to ensure that: An adequate supply of water for dust suppression is used The spray nozzles produce a pattern that applies water at the point of dust generation The spray nozzles are not clogged or damaged All hoses and connections are intact Water is applied at the flow rate specified by the manufacturer or greater Additional exhaust is provided as needed to minimize the accumulation of visible airborne dust when operating indoors or in an enclosed space (area where airborne dust can build up) Other tips: Visually inspect the water attachment to ensure it is properly connected to the water source and the tool Inspect the blade and shroud for cracks, loose segments, or other damage Check the water nozzles and the water flow rate regularly to ensure it is sufficient to control the dust generated so that no visible dust² is emitted from the process once the blade has entered the substrate (material) being cut Prevent wet slurry from accumulating and drying



Equipment/ Control	Photo	Names	Best Practice Tips
Equipment/ Control (vi) Rig-mounted core saws or drills CONTROL: water	Photo Image: Constraint of the system of the syst	Names Core drilling machine/ equipment	 Best Practice Tips OSHA¹ requires the employer to ensure that: The saw or drill is equipped with an integrated water delivery system (commercially developed specifically for the type of tool in use) The equipment is operated in accordance with manufacturer's instructions to minimize dust emissions. An adequate supply of water for dust suppression is used The spray nozzles produce a pattern that applies water at the point of dust generation The spray nozzle is not clogged or damaged All hoses and connections are intact Additional exhaust is provided as needed to minimize the accumulation of visible airborne dust when operating indoors or in an enclosed space (area where airborne dust can build up) Other tips: Visually inspect the water attachment to ensure it is properly connected to the water source and the tool Inspect the drill for cracks, loose segments, or other damage Water is at the flow rate specified by the manufacturer or greater Check the hose or water tubes and the water flow rate regularly to ensure it is sufficient to control the dust generated so that no visible dust² is emitted from the process once the blade has entered the substrate (material) being cut If recycling water, check regularly to make sure the water is circulating and change water to avoid silt build-up



Fauinment/Control	Photo	Names	Best Practice Tins
<u> </u>			
Equipment/ Control (vii) Handheld and stand-mounted drills (including impact and rotary hammer drills) CONTROL: ventilation (local exhaust ventilation or LEV)	Photo Final of the International Masonry Institute & OSHA Masonry Institute & OSHA Final of the International Masonry Institute & OSHA Final of the International Masonry Institute & OSHA	Names Hammer drill Rotohammer Roto-hammer	 Best Practice Tips OSHA¹ requires the employer to ensure that: The equipment is equipped with a commercially available shroud or cowling with a dust collection system that provides at least the minimum air flow required by the manufacturer The shroud or cowling is intact and installed in accordance with the manufacturer's instructions The hose connecting the tool to the vacuum is intact and without kinks or tight bends The filter(s) on the vacuum are cleaned or changed in accordance with the manufacturer's instructions The dust collection bags are emptied to avoid overfilling A HEPA-filtered vacuum is used when cleaning holes; compressed air can be used in conjunction with a HEPA-filtered vacuum or hole cleaning kit designed for use with compressed air Additional exhaust is provided as needed to minimize the accumulation of visible airborne dust when operating indoors or in an enclosed space (area where airborne dust can build up) Other tips: Check the air flow rate to ensure it is equal to or greater than recommended by the manufacturer Visually inspect the drill, hood (shroud or cowl) and the dust collection system to ensure they are properly connected Visually inspect the drill, hood (shroud or cowl) and the dust collection system for missing or damaged parts Check the drill, hood (shroud or cowl) and the dust collection system for missing or damaged parts Check and replace the filter and empty the dust collection unit, and use filters and collection bags for collecting silica dust If applicable, regularly check the automatic filter cleaning system to ensure it is operating properly to maintain maximum air flow and
	(Stand-mounted) Photo courtesy of David Rempel		 Check and replace the filter and empty the dust collection unit, a use filters and collection bags for collecting silica dust If applicable, regularly check the automatic filter cleaning system



Equipment/ Control	Photo	Names	Best Practice Tips
Equipment/ Control (viii) Dowel drilling rigs for concrete CONTROL: ventilation + respirators ³ (APF 10)	Photo	Names	 Best Practice Tips OSHA¹ requires the employer to ensure that: The shroud or cowling is intact and installed in accordance with the manufacturer's instructions The hose connecting the tool to the vacuum is intact and without kinks or tight bends The filter(s) on the vacuum are cleaned or changed in accordance with the manufacturer's instructions
	Photos courtesy of the Laborers Health and Safety Fund		 The dust collection bags are emptied to avoid overfilling The equipment is equipped with a shroud around the drill bit and a dust collection system that has a filter with 99% or greater efficiency The dust collection equipment has a filter cleaning mechanism A HEPA-filtered vacuum is used when cleaning holes; compressed air can be used in conjunction with a HEPA-filtered vacuum or hole cleaning kit designed for use with compressed air
			 Other tips: Visually inspect the tool, hood, and the dust collection system to ensure they are properly connected, and there are no missing or damaged parts Check the tool, hood, and dust collection system regularly to ensure the system is operating so that no visible dust² is emitted from the process once the drill has entered the substrate (material) Use smooth ducts and maintain duct transport velocity at 3,500 to 4,000 feet per minute [ACGIH 2010] Provide duct clean-out points Install pressure gauges across dust collection filters so the drill operator knows when to clean or change the filter

Equipment/ Control	Photo	Names	Best Practice Tips
Equipment/ Control (ix) Vehicle- mounted drilling rigs for rock and concrete CONTROL: ventilation (local exhaust ventilation or LEV) + water OR enclosed cab + water	Photo Photo	Names	 Best Practice Tips OSHA¹ requires the employer to implement dust collection systems and water controls that ensure that: The shroud or cowling is intact and installed in accordance with the manufacturer's instructions The hose connecting the tool to the vacuum is intact and without kinks or tight bends The filter(s) on the vacuum are cleaned or changed in accordance with the manufacturer's instructions The dust collection bags are emptied to avoid overfilling An adequate supply of water for dust suppression is used The spray nozzles are working properly and produce a pattern that applies water on the discharge point from the dust collector The spray nozzles are not clogged or damaged All hoses and connections are intact OR Enclosed cab is: Maintained as free as practicable from dust Has door seals and closing mechanism that work properly Has gaskets and seals that are in good condition and work properly Is under positive pressure maintained through continuous delivery of filtered air Has intake air that is filtered through a pre-filter that is 95% efficient in the 0.3-100 µm range (e.g., MERV-16 or better) Has heating and cooling capabilities An adequate supply of water for dust suppression is used The spray nozzles are working properly and produce a pattern that applies water on the discharge point from the dust collector



Equipment/ Control	Photo	Names	Best Practice Tips
(x) Jackhammers and handheld powered chipping tools CONTROL: Water + respirators ³ (APF 10 outdoors more than 4 hours; indoors all times) OR Ventilation+ respirators ³ (Go to page 11 for details)	Water Photos courtesy of the International Assonry Institute & OSHA	Chipping gun Chipping gun Chisel gun	 OSHA¹ requires, for water controls, the employer to ensure that: A continuous stream or spray of water is delivered at the point of impact through direct connections to fixed water lines or portable water tank systems; one or two workers can operate the water delivery system An adequate supply of water for dust suppression is used The water sprays are working properly and produce a pattern that applies water at the point of dust generation The spray nozzles are not clogged or damaged All hoses and connections are intact Additional exhaust is provided as needed to minimize the accumulation of visible airborne dust when operating indoors or in an enclosed space (area where airborne dust can build up) Other tips: Check the hose or spray nozzle regularly to ensure the flow rate is sufficient to control the dust generated so that no visible dust² is emitted from the process once the breaker/drill has entered the substrate (material) Prevent wet slurry from accumulating and drying.



Equipment/ Control Pho	oto Names	Best Practice Tips
(x) Jackhammers and handheld powered chipping tools CONTROL: Water + respirators ³ (Go to page 10 for details) OR (va Phot	to Names Image: Chipping hammer Chipping gui Chipping gui Chisel gui cuum) Chisel gui tos courtesy of the International onry Institute & OSHA Share	 OSHA¹ requires, for dust collection controls, the employer to ensure that: The system provides at least the air flow recommended by the



Equipment/ Control	Photo	Names	Best Practice Tips
(xi) Handheld		Tuckpointing	OSHA ¹ requires the employer to ensure that:
grinders for mortar		grinder	• The system provides at least 25 CFM of air flow per inch of wheel
removal (i.e.			diameter, a filter with 99% efficiency or greater, and either a cyclonic
tuckpointing)		Angle grinder	pre-separator or a filter-cleaning mechanism
			• The shroud or cowling is intact, encloses most of the grinding blade,
CONTROL:		Grinder	and is installed in accordance with the manufacturer's instructions
ventilation (local			• The hose connecting the tool to the vacuum is intact and without kinks or tight bends
exhaust ventilation			 The filter(s) on the vacuum are cleaned or changed in accordance with
or LEV) +	Photo courtesy of the International		the manufacturer's instructions
respirators ³ (APF 10 4 hours or	Masonry Institute & OSHA		 The dust collection bags are emptied to avoid overfilling
less; APF 25 4 hours			• The blade is kept flush against the surface whenever possible
or more)			• The tool is operated against the direction of blade rotation whenever
			practical
			Additional exhaust is provided as needed to minimize the
			accumulation of visible airborne dust when operating indoors or in an
			enclosed space (area where airborne dust can build up)
			Other tips:
			• Visually inspect the grinder, shroud (cowl or hood), and dust collection system to ensure they are properly connected, there are no missing or
			damaged parts, and the system is operating so that no visible dust ² is
			emitted from the process once the grinder is flush against the work
			surface
			• If applicable, regularly check the automatic filter cleaning system to
			ensure it is operating properly to maintain maximum air flow and
			suction power
			Place one side of the shroud against the working surface before
			inserting the blade into the mortar joint - this directs the dust into the shroud as the blade cuts into the mortar joint
			 Do not move the grinder back and forth along the slot as this will
			create a gap that increase dust escape for better results, move the
			grinder in one direction, making a second pass only if necessary
			Back off the cutting pressure of the blade a short distance before
			removing it from the slot so the vacuum can have enough time to clear
			any dust buildup; use only enough cutting force to operate the tool
			effectively and keep the leading tool edge flush against the working
			surface



Equipment/ Control	Photo	Names	Best Practice Tips
(xii) Handheld		Surface Grinder	OSHA ¹ requires, for water controls, the employer to ensure that:
grinders for uses			An integrated water system is provided that continuously feeds
other than mortar		Sander	water to the grinding surface
removal			An adequate supply of water for dust suppression is used
CONTROL: water		Polisher	 The spray nozzle is working properly and produce a pattern that applies water at the point of dust generation The spray nozzle is not clogged or damaged All hoses and connections are intact
OR			 Additional exhaust is provided as needed to minimize the accumulation of visible airborne dust when operating indoors or in
ventilation (local	(water)		an enclosed space (area where airborne dust can build up)
exhaust ventilation	Photos courtesy of the International		
or LEV) +	Masonry Institute & OSHA		Other tips:
respirators ³ (used indoors longer than 4 hours – APF10) (Go to page 14 for details)			 Visually inspect the water attachment to ensure it is properly connected to the water source and the tool, and for missing or damaged parts Check the hose and water flow rate regularly to ensure it is sufficient to control the dust generated so that no visible dust² is emitted from the process once the grinder is flush with the cutting/work surface Prevent wet slurry from accumulating and drying Use the smallest wheel and least aggressive tool necessary to complete task Use a static pressure gauge, where available, to monitor
			• Ose a static pressure gauge, where available, to monitor performance



Equipment/ Control Phot	to Names	Best Practice Tips
xii) Handheld grinders for uses other than mortar removal CONTROL: water (Go to page 13 for details) OR (vac Photo	to Names Surface Grine Sander Polisher	



Equipment/ Control	Photo	Names	Best Practice Tips
(xiii) Walk-behind	See photo with ventilation on		OSHA ¹ requires, for water controls, the employer to ensure that:
milling machines	page 16		 An integrated water system is provided that continuously feeds
and floor grinders			water to the cutting surface
			 An adequate supply of water for dust suppression is used
CONTROL:			 The spray nozzles are working properly and produce a pattern that
water			applies water at the point of dust generation
0.0			 The spray nozzles are not clogged or damaged
OR			All hoses and connections are intact
ventilation			Additional exhaust is provided as needed to minimize the
(Go to page 16 for			accumulation of visible airborne dust when operating indoors or in
details)			an enclosed space (area where airborne dust can build up)
			Other tips:
			Other tips:Check the hose or spray nozzle regularly to ensure the flow rate is
			sufficient to control the dust generated so that no visible dust ² is
			emitted from the process once the breaker/drill has entered the
			substrate (material)
			 Prevent wet slurry from accumulating and drying

Equipment/ Control	Photo	Names	Best Practice Tips
(xiii) Walk-behind milling machines and floor grinders CONTROL: water OR ventilation	<image/>		 OSHA¹ requires, for dust collection controls, the employer to ensure that: The system provides a filter with 99% efficiency or greater and a filter-cleaning mechanism The hose connecting the tool to the vacuum is intact and without kinks or tight bends The filter(s) on the vacuum are cleaned or changed in accordance with the manufacturer's instructions The dust collection bags are emptied to avoid overfilling Additional exhaust is provided as needed to minimize the accumulation of visible airborne dust when operating indoors or in an enclosed space (area where airborne dust can build up) Loose dust must be cleaned with a HEPA-filtered vacuum in between passes of the machine to prevent the loose dust from being re-suspended Other tips: Visually inspect the milling machine, shroud (hood or cowl) and dust collection system to ensure they are properly connected Visually inspect the milling machine, shroud (hood or cowl) and dust collection system for missing or damaged part Check the milling machine, shroud (hood or cowl) and dust collection system regularly to ensure the system is operating so that no visible dust² is emitted from the process once the once the blade has entered the substrate being cut Use dust collector in accordance with manufacturer specifications including airflow rate



Equipment/ Control	Photo	Names	Best Practice Tips
(xiv) Small drivable			OSHA ¹ requires the employer to ensure that:
milling machines (less than half-lane)			 Supplemental water sprays are designed to suppress dust Water used is combined with a surfactant
			 Water used is combined with a surfactant An adequate supply of water for dust suppression is used
CONTROL:			 The spray nozzles are working properly and produce a pattern that
water + surfactant			applies water at the point of dust generation
	Party I Party Party And		The spray nozzles are not clogged or damaged
			 All hoses and connections are intact Additional exhaust is provided as needed to minimize the
	Photo courtesy of © WIRTGEN GmbH		 Additional exhaust is provided as needed to minimize the accumulation of visible airborne dust when operating indoors or in an enclosed space (area where airborne dust can build up)



Equipment/ Control	Photo	Names	Best Practice Tips
(xv) Large drivable milling machines (half-lane and larger)	Photo With the second	Names	 Best Practice Tips OSHA¹ requires, for cuts of any depth on asphalt only, the employer to ensure that: The machine is equipped with exhaust ventilation drum enclosure and supplemental water sprays designed to suppress dust The machine is operated and maintained to minimize dust For cuts of 4 inches or less: The machine is equipped with exhaust ventilation on the drum enclosure and supplemental water spray is designed to suppress dust OR The machine is equipped with a supplemental water spray Water used is combined with a surfactant Other tips: See <u>NAPA field guide at http://www.silica-safe.org/training-and-other-resources/manuals-and-guides/asset/Field-Guidefor-Controlling-Silica-Dust-Exposure-on-Asphalt-Pavement-Milling-Machines.pdf</u> Ensure the correct controls are being used for the depth of the asphalt cut



Equipment/ Control	Photo	Names	Best Practice Tips
(xvi) Crushing machines CONTROL: water + ventilated booth	Used by permission of Screen Machine Industries™		 OSHA¹ requires the employer to ensure that: A remote control station or ventilated booth that provides fresh, climate-controlled air operator, or a remote control station Enclosed cab or booth: Is maintained as free as practicable from settled dust Has door seals and closing mechanism that work properly Has gaskets and seals that are in good condition and work properly Is under positive pressure maintained through continuous delivery of filtered air Has intake air that is filtered through a pre-filter that is 95% efficient in the 0.3-100 µm range (e.g., MERV-16 or better) Has heating and cooling capabilities Water sprays or mists for dust suppression at the crusher and other points where dust is generated (e.g., hoppers, conveyers, sieves,/sizing or vibrating components, and discharge points) Nozzles are located upstream of dust generation points and positioned to thoroughly wet the material The volume and size of droplets is adequate to sufficiently wet the material (optimal droplet size is between 10 and 150 µm) Spray nozzles are located far enough from the target area to provide complete water coverage, but not so far that the water is carried away by wind



Equipment/ Control	Photo	Names	Best Practice Tips
(xvii) Heavy equipment and utility vehicles used to abrade or fracture silica- containing materials (e.g., hoe- ramming, rock ripping) or used during demolition activities involving silica-containing materials CONTROL: enclosed cab OR Water + ventilation (if nearby workers outside cabs)	Finite Contrasts of OSHA Small Entity Compliance Guide for the Respirable Cystalline Silica Standard for Construction/CPWR		 OSHA¹ requires the employer to ensure that: Enclosed cab or booth: Is maintained as free as practicable from settled dust Has door seals and closing mechanism that work properly Has gaskets and seals that are in good condition and work properly Is under positive pressure maintained through continuous delivery of filtered air Has intake air that is filtered through a pre-filter that is 95% efficient in the 0.3-100 µm range (e.g., MERV-16 or better) Has heating and cooling capabilities When employees outside of the cab are engaged in the task, apply water and/or dust suppressants as necessary to minimize dust emissions

grading and excavating but not including: demolishing, abrading, or fracturing silica- containingIs maintained as free as practicable from settled dust • Is maintained as free as practicable from settled dust • Has door seals and closing mechanism that work properly • Has gaskets and seals that are in good condition and work properly • Is under positive pressure maintained through continuous delivery of filtered air	Equipment/ Control	Photo	Names	Best Practice Tips
utility vehicles for tasks such as grading and excavating but not including: demolishing, abrading, or fracturing silica- containing materials Image: Control is the only employee engaged in the task, operated equipment operator is the only employee engaged in the task, operated equipment from within an enclosed cab or booth: Is maintained as free as practicable from settled dust # Has door seals and closing mechanism that work properly that are in good condition and work properly # Has door seals and closing mechanism that work properly that are in good condition and work properly • Has intake air that is filtered through a pre-filter that is 95% efficient in the 0.3-100 µm range (e.g., MERV-16 or better) • Has heating and cooling capabilities • Water + ventilation (if nearby workers				
tasks such as grading and excavating but not including: demolishing, abrading, or fracturing silica- containing materials• When the equipment operator is the only employee engaged in the task, operated equipment from within an enclosed cab or booth: Is maintained as free as practicable from settled dustHas door seals and closing mechanism that work properlyHas gaskets and seals that are in good condition and work properlyIs under positive pressure maintained through continuous delivery of filtered airHas intake air that is filtered through a pre-filter that is 95% efficient in the 0.3-100 µm range (e.g., MERV-16 or better)Has heating and cooling capabilities	• •	and a feature		
grading and grading and excavating but not including: including: including: demolishing, abrading, or fracturing silica- Photo courtesy of NIOSH containing Photo courtesy of NIOSH CONTROL: enclosed cab enclosed cab OR Water + ventilation (if nearby workers	-	The The State		
	tasks such as grading and excavating but not including: demolishing, abrading, or fracturing silica- containing materials CONTROL: enclosed cab OR Water + ventilation (if nearby workers	Photo courtesy of NIOSH		 When the equipment operator is the only employee engaged in the task, operated equipment from within an enclosed cab or booth: Is maintained as free as practicable from settled dust Has door seals and closing mechanism that work properly Has gaskets and seals that are in good condition and work properly Is under positive pressure maintained through continuous delivery of filtered air Has intake air that is filtered through a pre-filter that is 95% efficient in the 0.3-100 µm range (e.g., MERV-16 or better)

¹Best practice requirements from <u>OSHA's Small Entity Compliance Guide for the Respirable Crystalline Silica Standard for Construction</u>

²A small amount of visible dust may be present when the blade or tool initially enters the substrate and when it is being removed at the end of a task. However, if visible dust is present after the blade or tool has entered the work surface/substrate, this is a sign that the control is not working properly. The operation should be stopped and the equipment and/or workers' cutting technique checked and fixed.

³Respirator use is conditional on time spent using equipment and if task is done outdoors, indoors or in an enclosed area. See <u>Table 1</u> in the standard for specific requirements including the assigned protection factor (respiratory protection).

