Table 1—Specified Exposure Control Equipment/task		Required reprotection a protection	and ssigned factor (APF
	Engineering and work practice control methods	≤ 4 hours/shift	
i) Stationary masonry saws	Use saw equipped with integrated water delivery system that continuously feeds water to the blade Operate and maintain tool in accordance with manufacturer's instructions to minimize dust emissions	None	None
ii) Handheld power saws (any blade diameter)	Use saw equipped with integrated water delivery system that continuously feeds water to the blade Operate and maintain tool in accordance with manufacturer's instructions to minimize dust emissions: -When used outdoors	None	APF 10
(iii) Handhald according	-When used indoors or in an enclosed area	APF 10	APF 10
iii) Handheld power saws for cutting fiber-cement coard (with blade diameter of 8 inches or less) iv) Walk-behind saws	For tasks performed outdoors only: Use saw equipped with commercially available dust collection system Operate and maintain tool in accordance with manufacturer's instructions to minimize dust emissions Dust collector must provide the air flow recommended by the tool manufacturer, or greater, and have a filter with 99% or greater efficiency Use saw equipped with integrated water delivery system that continuously feeds water to the blade Operate and maintain tool in accordance with	None	None
	manufacturer's instructions to minimize dust emissions: -When used outdoors	None	None
(v) Drivable saws	-When used indoors or in an enclosed area For tasks performed outdoors only:	APF 10	APF 10
,	Use saw equipped with integrated water delivery system that continuously feeds water to the blade Operate and maintain tool in accordance with manufacturer's instructions to minimize dust emissions	None	None
vi) Rig-mounted core saws or drills	Use tool equipped with integrated water delivery system that supplies water to cutting surface Operate and maintain tool in accordance with manufacturer's instructions to minimize dust emissions	None	None
vii) Handheld and stand-mounted drills (including mpact and rotary hammer drills)	Use drill equipped with commercially available shroud or cowling with dust collection system Operate and maintain tool in accordance with manufacturer's instructions to minimize dust emissions Dust collector must provide the air flow recommended by the tool manufacturer, or greater, and have a filter with 99% or greater efficiency and a filter-cleaning mechanism Use a HEPA-filtered vacuum when cleaning holes	None	None
viii) Dowel drilling rigs for concrete	For tasks performed outdoors only: Use shroud around drill bit with a dust collection system.	APF 10	APF 10
(ix) Vehicle-mounted drilling rigs for rock and concrete	Dust collector must have a filter with 99% or greater efficiency and a filter-cleaning mechanism		N
	Use dust collection system with close capture hood or shroud around drill bit with a low-flow water spray to wet the dust at the discharge point from the dust collector OR	None	None
	Operate from within an enclosed cab and use water for dust suppression on drill bit	None	None
(x) Jackhammers and handheld powered chipping tools	Use tool with water delivery system that supplies a continuous stream or spray of water at the point of impact: -When used outdoors	None	APF 10
	-When used indoors or in an enclosed area OR	APF 10	APF 10
	Use tool equipped with commercially available shroud and dust collection system Operate and maintain tool in accordance with manufacturer's instructions to minimize dust emissions Dust collector must provide the air flow recommended by the tool manufacturer, or greater, and have a filter with 99% or greater efficiency and a filter-cleaning		
	mechanism: -When used outdoors	None	APF 10
(xi) Handheld grinders for mortar removal (i.e., tuckpointing)	-When used indoors or in an enclosed area Use grinder equipped with commercially available shroud and dust collection system Operate and maintain tool in accordance with manufacturer's instructions to minimize dust emissions Dust collector must provide 25 cubic feet per minute (cfm)	APF 10	APF 25
	or greater of airflow per inch of wheel diameter and have a filter with 99% or greater efficiency and a cyclonic pre- separator or filter-cleaning mechanism		
(xii) Handheld grinders for uses other than mortar removal	For tasks performed outdoors only: Use grinder equipped with integrated water delivery system that continuously feeds water to the grinding surface Operate and maintain tool in accordance with manufacturer's instructions to minimize dust emissions OR	None	None
	Use grinder equipped with commercially available shroud and dust collection system		
	Operate and maintain tool in accordance with manufacturer's instructions to minimize dust emissions Dust collector must provide 25 cubic feet per minute (cfm)		
	Dust collector must provide 25 cubic feet per minute (cfm) or greater of airflow per inch of wheel diameter and have a filter with 99% or greater efficiency and a cyclonic presentation or filter elegation mechanism.		
	separator or filter-cleaning mechanism: -When used outdoors	None	None
(xiii) Walk-behind milling machines and floor grinders	-When used indoors or in an enclosed area Use machine equipped with integrated water delivery system that continuously feeds water to the cutting surface	None	APF 10 None
	Operate and maintain tool in accordance with manufacturer's instructions to minimize dust emissions OR Use machine equipped with dust collection system	None	None
	recommended by the manufacturer Operate and maintain tool in accordance with manufacturer's instructions to minimize dust emissions		
	Dust collector must provide the air flow recommended by the manufacturer, or greater, and have a filter with 99% or greater efficiency and a filter-cleaning mechanism		
xiv) Small drivable milling machines (less than half-	When used indoors or in an enclosed area, use a HEPA-filtered vacuum to remove loose dust in between passes Use a machine equipped with supplemental water sprays	None	None
lane)	designed to suppress dust. Water must be combined with a surfactant		
(xv) Large drivable milling machines (half-lane and larger)	Operate and maintain machine to minimize dust emissions For cuts of any depth on asphalt only:	None	None
	Use machine equipped with exhaust ventilation on drum enclosure and supplemental water sprays designed to suppress dust Operate and maintain machine to minimize dust emissions		0116
	For cuts of four inches in depth or less on any substrate: Use machine equipped with exhaust ventilation on drum	None	None
(vvi) Crushing machines	enclosure and supplemental water sprays designed to suppress dust Operate and maintain machine to minimize dust emissions		
	OR Use a machine equipped with supplemental water spray designed to suppress dust. Water must be combined with a surfactant	None	None
	Operate and maintain machine to minimize dust emissions		
xvi) Crushing machines	Use equipment designed to deliver water spray or mist for dust suppression at crusher and other points where dust is generated (e.g., hoppers, conveyers, sieves/sizing or vibrating components, and discharge points) Operate and maintain machine in accordance with manufacturer's instructions to minimize dust emissions Use a ventilated booth that provides fresh, climate-	None	None
xvii) Heavy equipment and utility vehicles used to	controlled air to the operator, or a remote control station Operate equipment from within an enclosed cab	None	None
brade or fracture silica-containing materials (e.g., oe-ramming, rock ripping) or used during demolition ctivities involving silica-containing materials	When employees outside of the cab are engaged in the task, apply water and/or dust suppressants as necessary to minimize dust emissions Apply water and/or dust suppressants as necessary to	None	None
uch as grading and excavating but not including: Demolishing, abrading, or fracturing silica-containing naterials	minimize dust emissions OR		
-	When the equipment operator is the only employee	None	None

When the equipment operator is the only employee engaged in the task, operate equipment from within an

enclosed cab