Exhibit 2 - Silica Control Measures (Recalculated Table 1) Required Engineering Controls and Respiratory Protection for Silica

The engineering controls and respiratory protection identified below shall be used as the selection basis for work practices, controls, and personal protective equipment (PPE). However, if controls and PPE other than these are used, then exposure assessments must be conducted to demonstrate compliance with American Conference of Government Industrial Hygienists (ACGIH) threshold limit values (TLVs) per OPP 650-11 Silica Exposure Prevention and Control. The IH must exercise good IH judgement to determine when to periodically conduct confirmatory sampling of tasks conducted under this Table. Key: APF = assigned protection factor. Use the highlighted links to OSHA fact sheets for equipment listed in this table.

Equipment/Use	Photo of representative equipment	Engineering and work practice control methods • Operate and maintain tool in accordance with manufacturer's instructions to minimize dust emissions. • Operate and maintain machine to minimize dust emissions		NLR Respiratory Protection for compliance with ACGIH TLV of 25 µg/m ³ Select column that corresponds to maximum length of time task is conducted (e.g. Task 1 for 5 hours of work. Work must begin in APF 10 respirator.			
			<2 hr./ shift	2-4 hr./ shift	>4 hr./ shift		
1 Handheld and Stand- Mounted Drills (including impact and rotary hammer drills) [Per 29 CFR 1926.1153 c.1. vii]		https://www.osha.gov/Publications/silica/OSHA_FS-3630.pdf Use drill equipped with commercially available shroud or cowling with dust collection system. 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. 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 high-efficiency particulate air (HEPA)-filtered vacuum when cleaning holes. 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; and The dust collection bags are emptied to avoid overfilling.		None	APF 10		
2 Handheld Power Saws (any blade diameter) [Per 29 CFR 1926.1153 c.1. ii]	https://www.osha.gov/Publications/silica/OSHA_FS-3627.pdf Use saw equipped with integrated water delivery system that continuously feeds water to the blade. An adequate supply of water for dust suppression is used; The spray nozzle is working properly to apply water at the point of dust generation; All hoses and connections are intact. When used outdoors:		None	APF 10	APF 25		
3 Handheld Power Saws for cutting fiber cement board (with blade diameter of 8 inches or less) [Per 29 CFR 1926.1153 c.1. iii]		When used indoors or in an enclosed area (outdoor requirements above apply as well): https://www.osha.gov/Publications/OSHA3927.pdf For tasks performed outdoors only: Use saw equipped with commercially available dust collection system. Dust collector must provide the air flow recommended by the tool manufacturer, or greater, and have a filter with 99% or greater efficiency. 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 to prevent clogging; and The dust collection bags are emptied to avoid overfilling	APF 10 None	APF 25 None	APF 10		

Equipment/Use	Photo of representative equipment Engineering and work practice control methods Operate and maintain tool in accordance with manufacturer's instructions to minimize dust emissions. Operate and maintain machine to minimize dust emissions		NLR Respiratory Protection for compliance with ACGIH TLV of 25 µg/m³ Select column that corresponds to maximum length of time task is conducted (e.g. Task 6 for 5 hours of work. Work must begin in APF 10 respirator.			
		https://www.osha.gov/Publications/silica/OSHA_FS-3632.pdf				
4 Handheld Grinders for mortar removal (i.e., tuckpointing) [Per 29 CFR 1926.1153 c.1.xi]	G _i	https://www.osha.gov/Publications/silica/OSHA_FS-3632.pdf Use grinder equipped with commercially available shroud and dust collection system. 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 pre-separator or filter-cleaning mechanism. ■Ensure that the shroud is intact, encloses most of the grinding blade, and is 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; ■The blade is kept flush against the surface whenever possible; and ■The tool is operated against the direction of blade rotation, whenever practical.		APF 25	APF 50	
5 Handheld Grinders for uses other than mortar removal [Per 29 CFR 1926.1153 c.1.xii]		https://www.osha.gov/Publications/silica/OSHA_FS-3628.pdf Use grinder equipped with integrated water delivery system that continuously feeds water to the grinding surface. ■Ensure that an adequate supply of water for dust suppression is used; ■The spray nozzles are working properly and produce a pattern that applies water at the point of dust generation; ■The spray nozzles are not clogged or damaged; and ■All hoses and connections are intact. or use grinder equipped with commercially available shroud and dust collection system. 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 pre-separator or filter-cleaning mechanism. ■Ensure that the shroud 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; and ■The dust collection bags are emptied to avoid overfilling. For tasks performed outdoors only:	None	None	APF 10	
		When used indoors or in an enclosed area (Above conditions for outdoor tasks apply as well):	None	APF 10	APF 25	
6 Stationary Masonry Saws [Per 29 CFR 1926.1153 c.1. i]	Day Sold B	https://www.osha.gov/Publications/silica/OSHA_FS-3631.pdf Use saw equipped with integrated water delivery system that continuously feeds water to the blade. ■Ensure that an adequate supply of water for dust suppression is used; ■The spray nozzle is working properly to apply water at the point of dust generation; ■The spray nozzle is not clogged or damaged; and ■All hoses and connections are intact.	None	None	APF 10	

Equipment/Use	Photo of representative equipment	Engineering and work practice control methods • Operate and maintain tool in accordance with manufacturer's instructions to minimize dust emissions. • Operate and maintain machine to minimize dust emissions		NLR Respiratory Protection for compliance with ACGIH TLV of 25 µg/m³ Select column that corresponds to maximum length of time task is conducted (e.g. Task 7 outdoors for 3 hours of work. Work must begin in APF 10 respirator.		
			<2 hr./ shift	2-4 hr./ shift	>4 hr./ shift	
7 Jackhammers and Handheld Powered Chipping Tools [Per 29 CFR 1926.1153 c.1.x]		https://www.osha.gov/Publications/silica/OSHA_FS-3629.pdf Use tool with water delivery system that supplies a continuous stream or spray of water at the point of impact. ■Ensure that 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; and ■All hoses and connections are intact. When used outdoors: -When used indoors or in an enclosed area (conditions above for outdoor tasks apply).	None APF 10	APF 10 APF 25	APF 25	
		Use tool equipped with commercially available shroud and dust collection system. 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. ■Ensure that the shroud 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; and ■The dust collection bags are emptied to avoid overfilling. -When used outdoors. -When used indoors or in an enclosed area (conditions above for outdoor tasks apply).	None	APF 10	APF 25	
		https://www.osha.gov/Publications/silica/OSHA_FS-3633.pdf	APF 10	APF 25	APF 25	
8 Walk-behind Saws [Per 29 CFR 1926.1153 c.1. iv]		Use saw equipped with integrated water delivery system that continuously feeds water to the blade.: Ensure that an adequate supply of water for dust suppression is used; The spray nozzles are working properly to apply water at the point of dust generation; The spray nozzles are not clogged or damaged; and All hoses and connections are intact. When used outdoors: When used indoors or in an enclosed area (conditions above for outdoor tasks apply).		None APF 25	APF 10 APF 25	
9 Walk-behind	A THE	https://www.osha.gov/Publications/OSHA3932.pdf Use machine equipped with integrated water delivery system that continuously feeds water to the cutting surface. ■Ensure that an adequate supply of water for dust suppression is used; ■The spray nozzles are working properly and produce a pattern that applies water at the point of dust generation; ■The spray nozzles are not clogged or damaged; and ■All hoses and connections are intact.	APF 10 None	None	APF 10	
waik-benind milling machines and floor grinders [Per 29 CFR 1926.1153 c.1.xiiii]		Use machine equipped with dust collection system recommended by the manufacturer. 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. ■Ensure that 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 to prevent clogging; and ■The dust collection bags are emptied to avoid overfilling. When used indoors or in an enclosed area, use a HEPA-filtered vacuum to remove loose dust in between passes.	None	None	APF 10	
Equipment/Use	Photo of representative equipment	Engineering and work practice control methods Operate and maintain tool in accordance with manufacturer's instructions to minimize dust emissions. Operate and maintain machine to minimize dust emissions	for ACGI Select column the of time task is co	spiratory Pro compliance w H TLV of 25 hat corresponds to n onducted (e.g. Task must begin in APF)	vith µg/m ³ naximum length 11 for 5 hours of	

		<2 hr./ shift	2-4 hr./ shift	>4 hr./ shift
10 Drivable Saws [Per 29 CFR 1926.1153 c.1. v]	https://www.osha.gov/Publications/OSHA3928.pdf For tasks performed outdoors only: Use saw equipped with integrated water delivery system that continuously feeds water to the blade. ■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; and ■All hoses and connections are intact.	None	None	APF 10
11 Rig-mounted Core Saws or Drills [Per 29 CFR 1926.1153 c.1. vi]	https://www.osha.gov/Publications/OSHA3929.pdf Use tool equipped with integrated water delivery system that supplies water to cutting surface. 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; and All hoses and connections are intact.	None	None	APF 10
Dowel Drilling Rigs for Concrete [Per 29 CFR 1926.1153 c.1. viii]	https://www.osha.gov/Publications/OSHA3930.pdf For tasks performed outdoors only: Use shroud around drill bit with a dust collection system. Dust collector must have a filter with 99% or greater efficiency and a filter-cleaning mechanism. Use a HEPA-filtered vacuum when cleaning holes. Ensure that the shroud 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; instructions; and The dust collection bags are emptied to avoid overfilling.	APF 10	APF 25	APF 25
13 Vehicle-mounted Drilling Rigs for Rock and Concrete	https://www.osha.gov/Publications/OSHA3931.pdf 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. ■Ensure that the shroud or hood 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; and ■The dust collection bags are emptied to avoid overfilling or:	None	None	APF 10
[Per 29 CFR 1926.1153 c.1.ix]	Operate from within an enclosed cab and use water for dust suppression on drill bit. Ensure that 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; and All hoses and connections are intact.	None	None	APF 10

			NLR Respiratory Protection
		Engineering and work practice control methods	for compliance with
	Photo of representative	Operate and maintain tool in accordance with manufacturer's	ACGIH TLV of 25 μg/m ³
Equipment/Use	equipment	instructions to minimize dust emissions.	Select column that corresponds to maximum length of
	^ ^	Operate and maintain machine to minimize dust emissions	time task is conducted (e.g. Task 14 for 5 hours of
		1	work. Work must <u>begin in APF 10</u> respirator.
		•	•

			<2 hr./	2-4 hr./	>4 hr./
			shift	shift	shift
14 Small Drivable Milling Machines (less than half-lane) [Per 29 CFR 1926.1153 c.1.xiv]	O Contract Total Ver	https://www.osha.gov/Publications/OSHA3933.pdf Use a machine equipped with supplemental water sprays designed to suppress dust. Water must be combined with a surfactant. Ensure that: An adequate supply of water for dust suppression is used; The spray nozzles are working properly and produce a pattern that applies water at the point of dust generation; The spray nozzles are not clogged or damaged; and All hoses and connections are intact.	None	None	APF 10
15 Large Drivable Milling Machines (half-lane and larger) [Per 29 CFR 1926.1153 c.1.xv]	and the same	https://www.osha.gov/Publications/OSHA3934.pdf For cuts of any depth on asphalt only: Use machine equipped with exhaust ventilation on drum enclosure and supplemental water sprays designed to suppress dust.	None	None	APF 10
	For cuts of four inches in depth or less on any substrate: Use machine equipped with exhaust ventilation on drum enclosure and supplemental water sprays designed to suppress dust.	None	None	APF 10	
		For cuts of four inches in depth or less on any substrate: Use a machine equipped with supplemental water spray designed to suppress dust. Water must be combined with a surfactant. Or use a machine equipped with supplemental water spray designed to suppress dust. Water must be combined with a surfactant. Operate and maintain machine to minimize dust emissions	None	None	APF 10
16 Crushing machines [Per 29 CFR 1926.1153 c.1. xvi		https://www.osha.gov/Publications/OSHA3935.pdf 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). OSHA: <4hr- none; >4hr- none Use a ventilated booth that provides fresh, climate-controlled air to the operator, or a remote-control station. Ensure that: 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); and 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.	None	None	APF 10

Equipment/Use	Photo of representative equipment	Engineering and work practice control methods • Operate and maintain tool in accordance with manufacturer's instructions to minimize dust emissions. • Operate and maintain machine to minimize dust emissions	NLR Respiratory Protection for compliance with ACGIH TLV of 25 µg/m ³ Select column that corresponds to maximum length of time task is conducted (e.g. Task 18 for 5 hours of work. Work must begin in APF 10 respirator.		
			<2 hr./ shift	2-4 hr./ shift	>4 hr./ shift

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 [Per 29 CFR 1926.1153 c.1.xvii]	https://www.osha.gov/Publications/OSHA3936.pdf Operate equipment from within an enclosed cab. When employees outside of the cab are engaged in the task, apply water and/or dust suppressants as necessary to minimize dust emissions	None	None	APF 10
Heavy Equipment and Utility Vehicles for tasks such as grading and excavating but not	https://www.osha.gov/Publications/OSHA3937.pdf Apply water and/or dust suppressants as necessary to minimize dust emissions or	None	None	APF10
including: Demolishing, abrading, or fracturing silica-containing materials [Per 29 CFR 1926.1153 c.1. xviii]	When the equipment operator is the only worker engaged in the task operate equipment from within an enclosed cab.	None	None	APF10

NLR Guidance for Drywall Work	NLR allows drywall sanding up to 5 hours per day without the use of respirators as long as engineering controls (sanders equipped with HEPA vacuums) are used. 1. OSHA Silica PEA "OSHA has data indicating that an alternative PEL of 25 µg/m3 has already been achieved in several industries (e.g. asphalt pawing products, dental laboratories, mineral processing, and paint and coatings manufacturing in general industry, and drywall finishers and heavy equipment operators in construction). In these industries, airborne respirable silica concentrations are inherently low because either small amounts of silica containing materials are handled or these materials are not subjected to high energy processes that general large amounts of respirable dust." 2. NIOSH HHE 2019 Drywall Sanding "The Sc exposure of the employee using the power sander was well below all relevant OELs." However, the TLV for respirable dust would be exceeded at exposure times exceeding 360 minutes. 3. OSHA Interpretative Letter July 25, 2019 'Question 9: Drywall and dryvall joint compound frequently contain only trace amounts of silica (frequently less than percent), is work on or with such materials covered by the standard? Response: The RCS standard does not include an exemption based on the silica content of materials used. However, OSHA anticipates that employee exposures will typically renain below 25 µg/m" as an 8-hour TWA when working with drywall or sanding joint compound that contains crystalline silica only as a trace contaminary as an exemple of the standard per 20 FR 1926. 1153(a). However, employers should be aware that exposures could reach or exceed 25 µg/m" as an 8-hour TWA in situations where employees are working with drywall or sanding joint compound for long periods of time in very dusty conditions. In such cases, employers must comply with the silica standard, including paragraph (d) "falternative exposure control measures as necessary to limit employee exposure on interest the silica standard, including paragraph (d) "faltern	None	None	> 5 hr
NLR Guidance for Mixing Concrete and Grout	Respirable Silica Exposure – Required Engineering Controls, Work Practices and Housekeeping: 1. Use wet methods as described below: Wet the internal drum/pan first Place bag inside drum/pan Wet down the bag inside the drum/pan Open the bag with a knife and mist the bag while removing the bag/packaging from the drum/pan Continually mist and wet the contents while mixing Operate and maintain tools in accordance with manufacturer's instructions to minimize dust emissions. Dust containing silica on work surfaces/equipment must be cleaned up using wet methods or HEPA equipped vacuum. When using a vacuum, ensure all dust has been pulled from the hose by turning the hose up vertically and shaking it while the vacuum is still running. Suse of compressed air or dry sweeping for removing dust and debris containing silica is prohibited. Dispose of used vacuum bags/silica contained dust in a closed sealed container. Time Limitations: Not to exceed 8 hours in one workday. Quantity Limitations: Workers must not exceed 420 lbs. (dry weight) of Quikrete or equivalent.	None < 420 lbs.	None < 420 lbs	None < 420 lbs

When implementing the control measures specified in the table, each employer shall:
For tasks performed indoors or in enclosed areas, provide a means of exhaust as needed to minimize the accumulation of visible airborne dust;

For tasks performed using wet methods, apply water at flow rates sufficient to minimize release of visible dust;

For measures implemented that include an enclosed cab or booth, ensure that the enclosed cab or booth:

Is maintained as free as practicable from settled dust;

Has door seals and closing mechanisms that work properly;

Has gaskets and seals that are in good condition and working properly;

Is under positive pressure maintained through continuous delivery of fresh air;

Has intake air that is filtered through a filter that is 95% efficient in the 0.3-10.0 µm range (e.g., MERV-16 or better); and

Has heating and cooling capabilities.

Multiple Tasks Performed on the Same Day

Where a worker performs more than one task on the table during a shift, and the total duration of tasks combined is greater than 4 hours, the required respiratory protection for each task is the respiratory protection specified for greater than 4 hours per shift. If the total duration of tasks in the table combined is between 2-4 hours, the required respiratory protection for each task is the respiratory protection specified for 2-4 hours. If the total duration of tasks in the table combined is less than 2 hours, the required respiratory protection for each task is the respiratory protection specified for less than 2 hours per shift.

Basis for NLR Adopted Respiratory Protection APF

The NLR Adopted APF modifies the OSHA APF for compliance with the ACGIH TLV of 25 μ g/m3. OSHA PEL is used to back calculate the maximum concentration associated with the controls listed – time, respirator, or time and respirator. Choose the concentration associated with the same controls when performing the calculation to achieve 25 μ g/m3.

*For tasks where OSHA did not restrict exposure duration (time) or require respirators, assumed maximum concentration is 50 μ g/m3. This applies to row one tasks only (green row) Equations reflect control for time first (divide by 4 or 2), then a second division for respirator. **NOTE: Select column that corresponds to maximum length of time task is conducted for determining respirator requirements.** (e.g. Task 6 for 5 hours of work. Work must <u>begin in</u> APF 10 respirator). For example, <u>do not</u> begin work under \leq 2 hours/shift requirements then if work takes more than 2 hours select the respirator requirement for the \leq 4 hours/shift and continue working.

Note:

Division by 2 accounts for 4-hour exposure duration versus the PEL based 8-hr exposure.

Division by 4 accounts for 2-hour exposure duration

Division by 10, 25, or 50 accounts for the respirator APF reduction.

OSHA PEL = 50 μg/m3			ACGIH TLV = 25 μ g/m3	OSHA Table 1 Tasks	
≤ 4 hours/shift	> 4 hours/shift	≤ 2 hours/shift	≤ 4 hours/shift	> 4 hours/shift	
None*	None*	None	None	APF 10	3, 4, 5, 12 outdoors,
50 μg/m3	50 μg/m3	50/4=12.5	50/2=25	50/10 = 5	1, 6, 7, 8 outdoors, 9, 13, 14, 15, 16, 17, 18
None (time only)	APF 10 (respirator only)	None	APF 10	APF 25	2 outdoors, 10 outdoors,
100/2=50 100 μg/m3	500/10=50 500 μg/m3	100/4=25	100/2=50 500/2/10=25	500/10=50 500/25=20	12 indoors/enclosed,
APF 10 (time & respirator)	APF 10 (respirator only)	APF 10	APF 25	APF 25	2 indoors/enclosed, 4 indoors/enclosed,

1000/2/10 = 50	500/10=50	1000/4/10=25	1000/2/10=50	500/10=50	8 indoors,
1000 μg/m3	500 μg/m3		APF 10 not protective enough	500/25=20	10 indoors/enclosed
			1000/2/25=20		
APF 10	APF 25	APF 10	APF 25	APF 50	11
(time and	(respirator only)				
respirator)					
1000/2/10=50	1250/25=50	1000/4/10=25	1000/2/10=50	1250/25=50	
1000 μg/m3	<mark>1250 μg/m3</mark>		1000/2/25=20	1250/50=25	

In the Preamble to 29 CFR1925.1153 in the Federal Register Vol 81, No 58 (pages 16461-16463), OSHA discussed the adequacy of use of 29 CFR 1925.1153c.1 Table 1 for compliance with the OSHA Action Level of 25 μ g/m3. The OSHA table does not ensure compliance with 25 μ g/m3. The OSHA Action Level and the ACGIH TLV are both 25 μ g/m3, thus this comparison is appropriate to be used for U.S. Department of Energy (DOE)-mandated ACGIH TLV. To address the lower TLV value, when OSHA's Table 1 provided an APF, NLR has reduced the exposure time or increased the APF value as necessary to ensure that the 25 μ g/m3 TLV is not exceeded. For instance, if the OSHA Table 1 listed APF=10, NLR set the APF=25-50 to ensure that the TLV is not exceeded. When OSHA listed "None" for 8-hours, NLR may have adopted APF=10 as needed. NLR added the <2 hour/shift column to allow safe exposure without respiratory protect when possible.

Table Implementation Examples

- 1. Task 2 Handheld Power Saws (any blade diameter, outdoors) 3 hrs. and then Task 1 Handheld and Stand-Mounted Drills 2 hrs. = Start work in APF 10 respirator and worker must continue to wear APF for remainder of the day 5 hrs. total. WHY? Because worker has already received exposure of 25 ug/m3 (TLV) after 2 hrs. of Task 2 so even though Task 1 doesn't require APF 10 until >4 hrs. daily 8-hr. TWA has been met.
- 2. Reverse of above: Task 1 Handheld and Stand-Mounted Drills 2 hrs. and then Task 2 Handheld Power Saws (any blade diameter, outdoors) 3 hrs. Start work in APF 10 respirator and worker must continue to wear APF for remainder of the day 5 hrs. total. WHY? Because worker received 50 % of dose towards 8-hr TWA for Task 1 (2 hrs.) and 100% of dose from 2 hrs. of work at Task 2 so worker would be overexposed (> 100% of 8-hr TWA) by hour 4.
- 3. Task 8 Walk-behind Saws (outdoors) 3 hrs. and then 3 hrs. Task 18 Heavy Equipment and Utility Vehicles (only worker in enclosed cab). 3 hrs. of Task 8 out of 4 hrs. allowed w/o respirator = ³/₄ = .75 (75% dose) + Task 18 3 hrs. = 3 hrs. of Task 18 out of 4 hrs. allowed w/o respirator = ³/₄ = .75 (75% dose) + 75% Task 8 = 150% so need to start workday in APF 10.
- 4. Task 7 Jackhammers and Hand-Held Powered Chipping Tools (indoors) 1 hr. and then Task 8 Walk-behind Saws (indoors) 1 hr. 1 hr. of Task 8 out of 2 hrs. allowed with APF 10 respirator =1/2 =.5 (50% dose) + Task 8 1 hrs. = 1 hr. of Task 8 out of 2 hrs. allowed with APF 10 respirator =1/2 =.5 (50% dose) + 50% Task 8 = 100% so need to start work day in APF 10 and wear until completion of both tasks.
- 5. Task 2 Handheld Power Saws (any blade diameter, outdoors) ³/₄ hrs. and then Task 2 Handheld Power Saws (any blade diameter, indoors) ³/₄ hrs. Start work in APF 10 respirator.
- 6. Task 2 Handheld Power Saws (any blade diameter, outdoors) 1.9 hrs. and then Task 2 Handheld Power Saws (any blade diameter, indoors) 1 hr. Start work in APF 25 respirator. Why? Because 1.9 hrs. Task 2 outdoors = 1.9/2 = 0.95 + Task 2 indoors 1 hr = $\frac{1}{2} = 0.5 + 1.9 = 2.4$

Work Tasks not Included in the NLR Silica Control Measures Table

For tasks not listed in the NLR Silica Control Measures Table, or where it is not possible to fully implement the engineering controls, work practices, and respiratory protection described, respiratory protection and exposure assessment is required unless exposure will remain below the TLV under foreseeable circumstances. Employers must develop and implement a written exposure control plan. Plan(s) are specific to the tasks performed. This is completed by the ESH POC for workers and completed by subcontractors for subcontracted work. The ESH POC reviews and accepts the subcontractor plan. An exposure control plan template is available to subcontractors through the NLR ESH – Subcontractors Documents website. The plan contains at least the following elements incorporated in the Construction Subcontractor Safe Work Permit (for NLR work incorporated into the construction SWP/SOP):

- A description of the tasks in the workplace that involve exposure to respirable crystalline silica
- A description of the engineering controls, administrative controls, work practices, and respiratory protection used to limit worker exposure to respirable crystalline silica for each task
- A description of the housekeeping measures used to limit worker exposure to respirable crystalline silica
- A description of the procedures used to restrict access to work areas, when necessary, to minimize the number of workers
 exposed to respirable crystalline silica and their level of exposure, including exposures generated by other employers or sole
 proprietors.

- A description of the engineering controls, administrative controls, work practices, and respiratory protection used to limit worker exposure to respirable crystalline silica for each task
- A description of the housekeeping measures used to limit worker exposure to respirable crystalline silica
- A description of the procedures used to restrict access to work areas, when necessary, to minimize the number of workers exposed to respirable crystalline silica and their level of exposure, including exposures generated by other employers or sole proprietors.