SITE survey. APP

SITE SURVEY REPORT

Silica Exposure Control Plan

Prepared for	Bluffside Property Group
Date	2 Oct 2026
Site	Marlow Street parking garage deck repairs, Pittsburgh, PA
Prepared by	L. Haddad

FORM

Silica Exposure Control Plan

1. Plan, site and competent person

Project	Marlow Street parking garage deck repairs, Pittsburgh, PA: silica exposure control plan (completed example)
Site address	210 Marlow Street, Pittsburgh, PA 15222
General contractor or owner	Bluffside Property Group
Location (GPS)	40.4441, -79.9958
Plan date	2 Oct 2026
Prepared by	L. Haddad
Employer	Ferncliff Concrete Restoration LLC
Work covered by this plan	Deck repairs on levels 2 to 4 and the top deck: saw cutting, core drilling, grinding and abrasive blasting of concrete.
Competent person	J. Kowalski, site foreman
Role and how to reach them	Site foreman, on site every shift; radio channel 3
Where the plan is kept on site	Site trailer, safety binder; copy with the foreman
Next review due	1 Oct 2027

What the written plan contains (29 CFR 1926.1153(g)). At least: the tasks that involve exposure to respirable crystalline silica; the engineering controls, work practices and respiratory protection for each task; the housekeeping measures; and the procedures to restrict access to work areas when necessary, including exposure created by other employers or sole proprietors. The employer reviews it at least once a year, makes it available on request, and names a competent person to make frequent and regular inspections of job sites, materials and equipment.

2. Tasks, controls and respiratory protection

For each task on Table 1 of 1926.1153, the employer fully and properly uses the engineering controls, work practices and respiratory protection Table 1 gives for it, or assesses and limits exposure instead. Read the entry in the standard and copy its controls and respirator into the task. For tasks not on Table 1, or where Table 1 is not fully followed, the exposure of each employee who may be at or above the action level of 25 micrograms per cubic meter is assessed, and nobody is exposed above the PEL of 50 micrograms per cubic meter, both as 8-hour TWAs (1926.1153(c), (d)).

Tasks that involve exposure to respirable crystalline silica 1: Saw cutting slab edges for patch repairs

Task	Saw cutting slab edges for patch repairs

Material	Concrete deck
Equipment or tool	14 in handheld power saw with integrated water feed (saws S-1, S-2)
Where the task is done	Outdoors
Time on this and other Table 1 tasks per shift	4 hours or less per shift
Who does it (trade or crew)	Concrete crew, 2 operators
How exposure is controlled	Table 1: controls fully and properly implemented
Table 1 entry used	(ii) Handheld power saws (any blade diameter)
Engineering controls and work practices for this task	Integrated water delivery feeding water continuously to the blade. Saw run and maintained to the maker's instructions. Water flow checked before each cut.
Respiratory protection for this task	None while total Table 1 time stays at 4 hours or less outdoors. APF 10 if a shift goes over 4 hours.
Will anyone wear a respirator for this task?	No

Photos of the set-up (tool, water feed or dust collection)

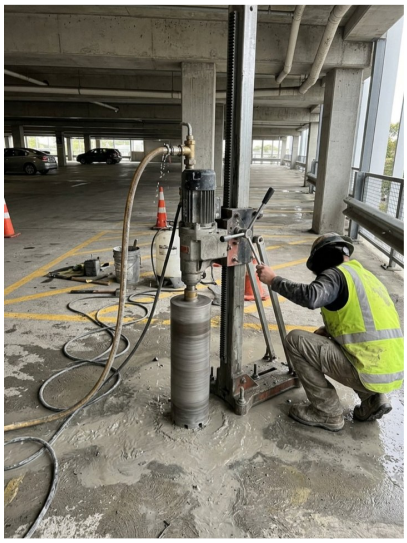


Tasks that involve exposure to respirable crystalline silica 2: Core drilling for new deck drains

Task	Core drilling for new deck drains
Material	Concrete deck
Equipment or tool	Rig-mounted core drill with water swivel
Where the task is done	Indoors or in an enclosed area
Time on this and other Table 1 tasks per shift	4 hours or less per shift

Who does it (trade or crew)	Coring operator
How exposure is controlled	Table 1: controls fully and properly implemented
Table 1 entry used	(vi) Rig-mounted core saws or drills
Engineering controls and work practices for this task	Integrated water delivery to the cutting surface, run to the maker's instructions. Slurry picked up with a wet vacuum. Fans at the ramp openings to move air out.
Respiratory protection for this task	None (Table 1)
Will anyone wear a respirator for this task?	No

Photos of the set-up (tool, water feed or dust collection)



Tasks that involve exposure to respirable crystalline silica 3: Grinding patch edges and high spots

Task	Grinding patch edges and high spots
Material	Concrete and repair mortar
Equipment or tool	5 in handheld grinders with shroud and dust collector
Where the task is done	Indoors or in an enclosed area
Time on this and other Table 1 tasks per shift	More than 4 hours per shift
Who does it (trade or crew)	Finishing crew, 2 operators
How exposure is controlled	Table 1: controls fully and properly implemented
Table 1 entry used	(xii) Handheld grinders for uses other than mortar removal
Engineering controls and work practices for this task	Shroud and commercially available dust collection system as Table 1 sets out for this entry, run to the maker's instructions. Filters changed as the maker says. Fans at the ramp openings.

Respiratory protection for this task	APF 10 half-mask respirator (more than 4 hours indoors, Table 1)
Will anyone wear a respirator for this task?	Yes

Photos of the set-up (tool, water feed or dust collection)



Tasks that involve exposure to respirable crystalline silica 4: Abrasive blasting of exposed rebar and concrete

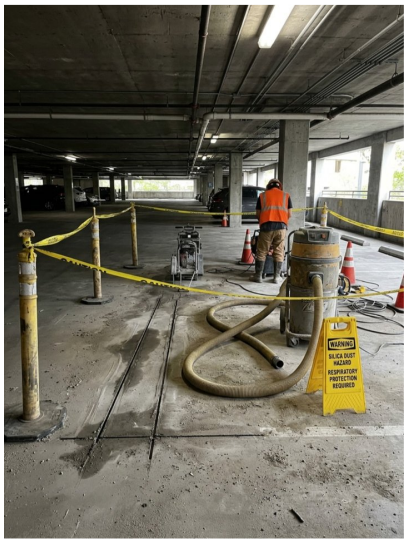
Task	Abrasive blasting of exposed rebar and concrete
Material	Concrete substrate, slag blasting media
Equipment or tool	Portable blast pot and nozzle
Where the task is done	Indoors or in an enclosed area
Time on this and other Table 1 tasks per shift	More than 4 hours per shift
Who does it (trade or crew)	Blaster and pot tender
How exposure is controlled	Exposure assessment (task not on Table 1, or Table 1 not fully followed)
Engineering controls and work practices for this task	Blast area enclosed with tarps and a dust collector exhausting the enclosure. Pot tender outside the enclosure. Blasting only when no other trades are on the level.
Respiratory protection for this task	Supplied-air blast helmet, as set out in the respiratory protection program
Assessment option	Performance option (air monitoring or objective data)
Assessment completed	29 Sep 2026
Result: 8-hour TWA (micrograms per cubic meter)	38
Result against the limits	At or above the action level (25), at or below the PEL

Results given to affected employees in writing or posted within five working days?	Yes
Will anyone wear a respirator for this task?	Yes
Tasks in the plan	4
Controlled by Table 1	3
Controlled by exposure assessment	1
Tasks assessed above the PEL	0
Results not yet given to employees	0
Tasks where respirators are worn	2

3. Housekeeping and restricted access

Housekeeping methods used	Wet sweeping, HEPA-filtered vacuuming, Slurry picked up wet and contained
Housekeeping measures (who, when, how)	Each crew cleans its own area at break and end of shift. Dust and debris by HEPA vacuum, slurry by wet vacuum into drums. Foreman checks at end of shift.
Is dry sweeping or dry brushing used where it could add to exposure?	No
Is compressed air used to clean clothing or surfaces where it could add to exposure?	No
How access to work areas is restricted when necessary	Barriers or tape around the work, Signs at the work area, Other trades kept out or moved, Work area enclosed or screened
Access procedures	Tape and signs 25 ft around each cutting or grinding area. Blasting inside a tarp enclosure. Only the crew doing the task inside the line.
Dust from other employers or sole proprietors on site covered?	Yes
How it is coordinated	Agreed daily at the 7 am coordination meeting: waterproofing and electrical crews are kept off a level while cutting, grinding or blasting is under way.

Photos (barriers, signs, vacuum, wet clean-up)



4. Competent person inspections

> The competent person makes frequent and regular inspections of job sites, materials and equipment to put the plan into effect (1926.1153(g)(4)). Add a dated entry for each one.

Inspection log 1: Top deck, saw cutting bays 4 to 6

Area or task seen	Top deck, saw cutting bays 4 to 6
Inspection date	6 Oct 2026
Inspected by	J. Kowalski
Controls set up as the plan says for each task seen	Action needed
What needs doing, or why not checked	Water feed hose not connected on saw S-2. Operator was cutting dry.
Tools and dust collection maintained and working	Acceptable
Respirators worn where the plan says	Not applicable
Housekeeping done as the plan says	Acceptable
Access restricted as the plan says	Acceptable
Materials checked against the plan	Acceptable
What was found and what was done on the spot	Stopped the cut. Hose connected and flow checked before restart. Crew reminded at the next morning huddle.

Photos



Result	Problem found

Inspection log 2: Level 2, grinding and core drilling

Area or task seen	Level 2, grinding and core drilling
Inspection date	13 Oct 2026
Inspected by	J. Kowalski
Controls set up as the plan says for each task seen	Acceptable
Tools and dust collection maintained and working	Acceptable
Respirators worn where the plan says	Acceptable
Housekeeping done as the plan says	Acceptable
Access restricted as the plan says	Acceptable
Materials checked against the plan	Acceptable
What was found and what was done on the spot	Shrouds and collectors running on both grinders. Barrier tape and signs up. Electricians moved to level 3 for the morning.
Result	No problems found
Inspections logged	2
Problems found	1

5. Medical surveillance, respirators and training

Will any employee be required to wear a respirator under this plan for 30 or more days a year?	Yes
How many employees	4
Medical surveillance provider (PLHCP or clinic)	Northside Occupational Health Clinic
Medical surveillance offered at no cost, at a reasonable time and place?	Yes

> Medical surveillance is made available at no cost, at a reasonable time and place, to each employee who will be required to use a respirator for 30 or more days a year, with periodic exams at least every three years or more often if the PLHCP recommends (1926.1153(h)(1)(i), (h)(3)).

Written respiratory protection program in place (29 CFR 1910.134)?	Yes
Silica included in the hazard communication program, with labels and safety data sheets available?	Yes
Training covers	Health hazards of respirable crystalline silica, Tasks that could result in exposure, Controls, work practices and respirators used, Contents of 1926.1153, Who the competent person is, Purpose and description of medical surveillance
Training given on	2 Oct 2026
Trained by	L. Haddad
Copy of 1926.1153 available to employees without cost?	Yes
Training topics not yet covered	0

6. Result, actions and sign-off

Items needing action	1
Result	Action needed before the work continues

Actions 1: Add a water feed check to the saw pre-start check and confirm on every saw before the first cut.

Action	Add a water feed check to the saw pre-start check and confirm on every saw before the first cut.
Priority	Before the task restarts
Who will do it	J. Kowalski

Due by	7 Oct 2026
Status	Done, checked

Actions 2: Reassess blasting exposure if the media, enclosure or crew changes, and before blasting on level 4.

Action	Reassess blasting exposure if the media, enclosure or crew changes, and before blasting on level 4.
Priority	Before the next review
Who will do it	L. Haddad
Due by	2 Nov 2026
Status	Open
Actions still open	1
Decision	In use: actions to finish
Next check or re-inspection date	20 Oct 2026
Summary for the client	Plan covers four tasks: three under Table 1 and abrasive blasting by air monitoring (38 micrograms per cubic meter, below the PEL). One inspection found saw S-2 cutting without its water feed; fixed on the spot and added to the pre-start check.
Competent person name	J. Kowalski
Competent person signature	
Employer representative name	L. Haddad
Employer representative signature	