

SILICA EXPOSURE CONTROL PLAN

STRAVIK Construction Group · Controlled Document

Document No.	Revision	Effective Date	Document Owner	Status
STV-HSE-PLN-024	00 (Initial Issue)	2026-10-24	[SAFETY DIRECTOR]	Issued for review / pending approval

Management system alignment: This document is aligned with ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018 requirements as applicable. STRAVIK Construction Group does not claim third-party certification to these standards. Florida Certified General Contractor License No. [FL LICENSE NO.].

REVISION HISTORY

Rev.	Date	Description of Change	Prepared By	Approved By
00	2026-10-24	Initial issue for STRAVIK Construction Group	[PREPARED BY]	Michael Gaya, President

1. PURPOSE

To protect workers from respirable crystalline silica generated by cutting, grinding, drilling, crushing and demolition of concrete, masonry and stone, in compliance with OSHA's construction silica standard.

2. SCOPE

Applies to all STRAVIK Construction Group employees, subcontractors and visitors on STRAVIK-controlled projects and facilities. Includes concrete crushing and recycling operations.

3. REFERENCES

- OSHA 29 CFR 1926.1153 (Respirable Crystalline Silica)
- OSHA 29 CFR 1910.134 (Respiratory Protection)
- STV-HSE-PRO-031 Respiratory Protection Program
- Management system alignment: ISO 45001:2018 (no certification claimed)

4. EXPOSURE ASSESSMENT

Tasks are controlled using OSHA Table 1 (1926.1153(c)) where the specified engineering controls and respirators are fully implemented. Tasks not on Table 1, or where Table 1 cannot be followed, are assessed by air monitoring by a qualified person, with exposure kept below the PEL of 50 µg/m³ (8-hour TWA).

5. ENGINEERING & WORK PRACTICE CONTROLS

Task (examples)	Required Control
Stationary/handheld saws	Integrated water delivery, operated per manufacturer

Task (examples)	Required Control
Handheld grinders / tuckpointing	Shroud with dust collector (vacuum with filter of 99% or greater efficiency)
Drilling into concrete	Dust collection system or water
Jackhammers / demolition	Continuous water spray or shroud with dust collector
Crushing / recycling	Water suppression at transfer points; enclosed cab where available

- Dry sweeping and compressed air for cleaning silica dust are prohibited unless no feasible alternative exists.

6. RESPIRATORY PROTECTION & MEDICAL SURVEILLANCE

- Respirators are provided where required by Table 1 or monitoring, under STV-HSE-PRO-031.
- Medical exams are offered to workers required to wear a respirator for 30 or more days per year (STV-HRM-REG-003A).

7. COMPETENT PERSON & HOUSEKEEPING

- A competent person is designated on each project to implement this plan, inspect controls and restrict access to high-exposure areas.
- HEPA-filtered vacuums or wet methods are used for cleanup.

RESPONSIBILITIES

Role	Responsibility
President	Provides resources and approves this program.
[SAFETY DIRECTOR]	Administers the program, training, audits and records.
Superintendents / Foremen	Implement the program on site and correct deficiencies immediately.
Employees / Subcontractors	Follow the program, use controls and report hazards.

TRAINING & RECORDS

- Training is delivered before assignment and refreshed as required; recorded in STV-HRM-REG-002.
- Inspection, permit and monitoring records are retained per STV-GOV-POL-011.

DOCUMENT CONTROL

- Controlled under the Records Management & Document Control Policy (STV-GOV-POL-011) and the Document Control Procedure (STV-GOV-PRO-015).
- Reviewed at least annually, or after an incident, audit finding, regulatory change or significant change in operations.
- Records generated under this document are retained per the retention schedule in STV-GOV-POL-011.

APPROVAL

Role	Name	Title	Signature	Date
Prepared By	[PREPARED BY]	[TITLE]		
Reviewed By	[QUALITY / HSE MANAGER]	[TITLE]		
Approved By	Michael Gaya	President		

This document is reviewed at least annually, or upon significant organizational, legal or operational change, and re-issued under document control per STV-GOV-POL-011.