Construction Employers Association

Silica Objective Data Sampling Form

Filter/Cassette #_____

Contractor	Date	Project Name

Employee Name (Optional)

OSHA Region of Sampling/State

☐ Region I ☐ Region II ☐ Region III ☐ Region IV ☐ Region V
☐ Region VI ☐ Region VII ☐ Region VIII ☐ Region IX ☐ Region X State :

Job Description

Type of Work Being Performed

Task	% Time Performing	Task	% Time Performing
☐ Abrasive Blasting	☐ <25% ☐ 25-50% ☐ 50-75%, ☐ >75%	☐ Mixing Concrete	☐ <25% ☐ 25-50% ☐ 50-75%, ☐ >75%
☐ Cutting	☐ <25% ☐ 25-50% ☐ 50-75%, ☐ >75%	☐ Mixing Mortar	☐ <25% ☐ 25-50% ☐ 50-75%, ☐ >75%
☐ Chipping	☐ <25% ☐ 25-50% ☐ 50-75%, ☐ >75%	☐ Patching	☐ <25% ☐ 25-50% ☐ 50-75%, ☐ >75%
☐ Drilling	☐ <25% ☐ 25-50% ☐ 50-75%, ☐ >75%	☐ Polishing	☐ <25% ☐ 25-50% ☐ 50-75%, ☐ >75%
☐ Excavating	☐ <25% ☐ 25-50% ☐ 50-75%, ☐ >75%	☐ Scabbing/ Scappling	☐ <25% ☐ 25-50% ☐ 50-75%, ☐ >75%
☐ Formwork Cleaning	☐ <25% ☐ 25-50% ☐ 50-75%, ☐ >75%	☐ Scarifying	☐ <25% ☐ 25-50% ☐ 50-75%, ☐ >75%
☐ Grading	☐ <25% ☐ 25-50% ☐ 50-75%, ☐ >75%	☐ Scraping	☐ <25% ☐ 25-50% ☐ 50-75%, ☐ >75%
☐ Grinding	☐ <25% ☐ 25-50% ☐ 50-75%, ☐ >75%	☐ Terrazzo Work	☐ <25% ☐ 25-50% ☐ 50-75%, ☐ >75%
☐ Hand Sweeping	☐ <25% ☐ 25-50% ☐ 50-75%, ☐ >75%	☐ Tile Work	☐ <25% ☐ 25-50% ☐ 50-75%, ☐ >75%
☐ Milling	☐ <25% ☐ 25-50% ☐ 50-75%, ☐ >75%		
☐ Other:			☐ <25% ☐ 25-50% ☐ 50-75%, ☐ >75%

Base Material Spec.		Silica Contained in Base Material
☐ Asphalt	☐ Gunite	☐ From bulk sample _____
☐ Block	☐ Mortar	☐ From estimate (SDS or list) _____
☐ Brick	☐ Soil	
☐ Concrete	☐ Terrazo	
☐ Cement	☐ Tile	
☐ Grout	☐ Other Material: _____	

Tool Being Used Attach Photo	PPE Utilized
Make:_____ Model: _____	☐ Dust Mask (DM) ☐ Half Face (HF) ☐ Full Face (FF) ☐ Protective Clothing (PC) ☐ Gloves (G)

Control Methods

☐ None (N)
☐ Dry (D)
☐ Natural Ventilation (NV)
- ☐ Employee Downwind
- ☐ Employee Upwind
- ☐ Employee Crosswind

☐ General Mechanical (GM)
☐ Local Exhaust Ventilation - with HEPA vacuum (LE-HEPA)
☐ Local Exhaust Ventilation - with shop vac or other vacuum (LE-OTHER)
☐ Wet Method - Continuous Drip (WM-CD)
☐ Wet Method - Continuous Spray (WM-CS)
☐ Wet Method - Non-continuous Drip (WM-NCD) Frequency: _____
☐ Wet Method - Non-continuous Spray (WM-NCS) Frequency: _____

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Filter/Cassette #_____

Contractor	Date	Project Name

Silica controls maintenance plan in effect?	☐ Yes	☐ No
Controls checked during sampling period?	☐ Yes	☐ No
Employee trained and familiar with operation of controls?	☐ Yes	☐ No

Weather Conditions

☐ Sunny ☐ Overcast ☐ Rain ☐ Snow

Environment	Air/Wind Currents	Temperature
☐ Outdoors ☐ Open Sided(Free Flow) ☐ Enclosed 1Side (Limited Flow) ☐ Enclosed All Sides (No Flow)	☐ None ☐ < 5mph ☐ 5-10 mph ☐ > 10 mph	☐ < 40^0F (<40) ☐ 40^0F < x < 90^0F (40-90) ☐ > 90^0 F (>90)

Nearby Visible Dust Sources	Humidity
☐ None ☐ Other workers doing same task ☐ Partial from Other tasks and sources ☐ Continuous from Other tasks and sources	☐ < 20% (<20) ☐ 20% < **x** < 40% (20-40) ☐ 40% < **x** < 60% (40-60) ☐ 60% < **x** < 80% (60-80) ☐ < 80% (<80)

Sampling Intent

☐ Respirable Silica (RS)

Sampling Type

☐ Personal (P) ☐ Area (A - Distance to Activity) ☐ Bulk (B)

Pump Identification	Analytical Method
Make/Model:	NIOSH 7500

Filter / Cassette #	Pre-Calibration Date	Post- Calibration Date	Flow Rates: Pre Rate
Cyclone Type	**Sampling Times**		Post Rate

Agent	Start	Stop	Time	
Respirable Silica				
	Start	Stop	Time	Average Flow rate

Average Flow Rate X	Total Sampling Time	Total Volume

Laboratory Results (ug/m3)

Quartz	Cristobalite	Trydymite	RCS

Notations

Samplers Name (Print)

Samplers Signature