PA Asphalt Pavement Association

Safety Committee





Silica in Construction Best Practices

Silica Rule – Timeline

29 CFR 1926.1153

June 23rd 2017 -Original effective date of Silica Standard

• Sept. 23rd 2017 -Enforcement delayed until this date

• Oct 19th 2017 -Interim Enforcement guidelines issued

• Oct. 23rd 2017 -Last day of extremely limited enforcement

Dec 22nd 2017 -DC court of Appeals upholds Silica Standard

OSHA essentially gave employers an entire extra season achieve compliance. But everything has been resolved at this point, so expect enforcement.

This presentation covers some of the Silica control methods that have been utilized by PAPA members in 2017 to comply with the standard.





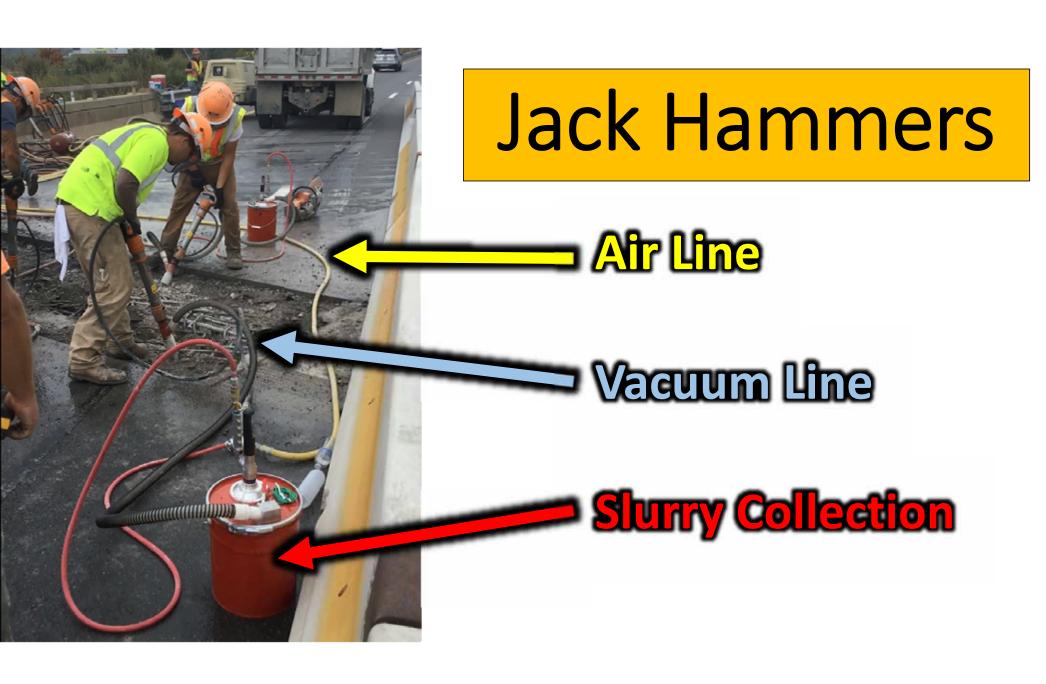










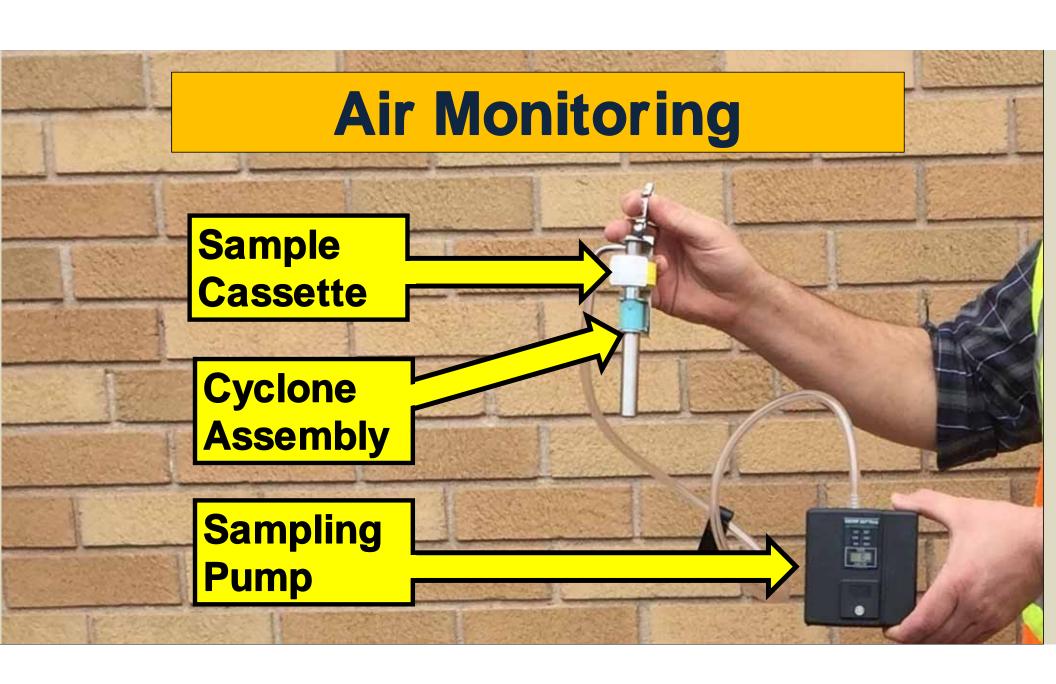






Leaf Blowers???





Respirators

OSHA 1910.134

Silica's PEL 50 µg/m³





APF of 10
Assigned Protection Factor



Allowed to work in 500 µg/m³ environment

Respirators

OSHA 1910.134

- 1) Written Program
- 2) Medical Evaluation before anything
- 3) Training Every 12 Months
- 4) Fit Test Every 12 Months

You must have all 4 if employees wear dust masks or other respirators.

LANE	LANE CONST		Doc No: Initial Issue Date	SIUCA Insert Date
THIRE W	Sarety manage	ment system	Revision Date:	Initial Version
			Revision No.	0
SILICA CONTROL PR	DGRAM		Next Review Date:	Insert Date
Preparation: Safety Mgr.	Authority: CEO	Issuing Dept.: Safety	Page:	Page 1 of 1

SITE-SPECIFIC SILICA EXPOSURE CONTROL PLAN

Location:		Date:
Work description:		
	check those options used and explai	
	rocedures or products that do not cre	
Other means of demo:		
Different products:		
Other substitutions:		
Engineering controls (when u	sing ventilation, draw air out and don	(Lexpose others to exhaust dustri)
Manuscrations	•	
Wetting:		
Ventilation:		
Isolation:		
Other means:		
Other means.		
Administration controls (red	ucing exposure by work schedules, tir	ming, or planning options)
Control points:		
Work schedule:		
Other means:		
	ns (check those options used and exp	plain use if needed)
Personal protective equipm	ent	
Half-mask		
respirators:	Cartridge type:	Fit tests confirmed:
	Cartridge type:	Fit tests confirmed:
Supplied air units:		
Coveralls required:		
Husiana and dacontemination	on ontions (-during amounts of	ter work has stopped or during breaks)
Water or washing facilities	on site.	
Water or washing facilities		
Water or washing facilities Vacuuming clothing/self:		
Vacuuming clothing/self:	and other	
Water or washing facilities Vacuuming clothing/self: Safe work procedures details:	and other	

HRI,	INC

Task Specific Silica Exposure Control Plan

Task Descrip	otion:
,	
	Methods we are using to control Silica Exposure
Engineering	(physical or mechanical things we use, modify, or change):
Work Practi	CCS (how we do things to minimize exposure):
WOIK FIGURE	ous from we do unings to minimize exposure).
Respirators	Is use required? Yes or No . (If yes, explain the type required and when needed):
Respirators	Is use required? Yes□ or No□. (If yes, explain the type required and when needed):
Respirators-	Is use required? Yes or No . (If yes, explain the type required and when needed):
	Is use required? Yes or No . (If yes, explain the type required and when needed): specific housekeeping procedures required.):
Cleanup (List	
Cleanup (tiss	specific housekeeping procedures required. J':
Cleanup (List Access- Doe Individuals fi	specific housekeeping procedures required.): s access to the work area need to be controlled to protect employees or

Medical Surveillance

- Evaluate in first 30 days, then every 3 years.
- Your Occupational Health Clinic wont understand.
- Employer must educate the health care provider.
- Includes: X-Ray, TB test, Spirometry, Check up
- Employer only receives notice that the employee was evaluated.
- Employee receives full report.
- Maintain record 30 years.

Final Thoughts

- Keep respirator use below 30 days a year.
- Follow table 1 whenever possible.
- Keep your records, training, medical surveillance, fit testing, medical clearance, air monitoring, employee notification.
- Have a simple clear written plan that <u>everyone</u> understands on how silica will be controlled.
- New Products and approaches are appearing daily.