

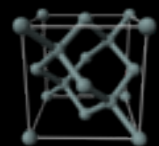
OSHA CRYSTALLINE SILICA RULE

Construction Industry Standards

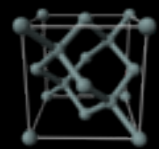
SAFRAN
LAW
OFFICES

BB&T
Construction Risk Services

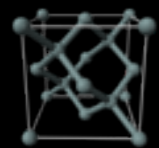
SILICA



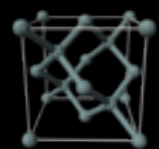
Common mineral.



Sand, Concrete, Asphalt, Coal Dust, Natural Stone.

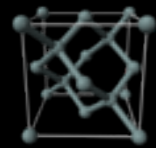


Respirable Silica particles are hazardous to health.

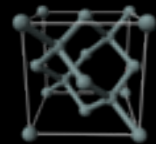


Silicosis, lung cancer, COPD, kidney disease

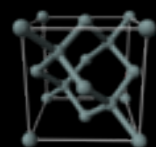
SILICA



2.3 million workers and 676,000 workplaces are estimated to be impacted by the new crystalline silica rule.



More workers died from silicosis in 2014 (1,100) than fires or from being caught in or crushed by collapsing materials.



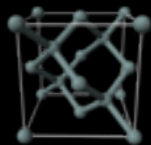
OSHA estimates the rule to have to result in an annual cost of \$1,524 to the average employer.

UPDATED EXPOSURE LIMIT

NEW

PERMISSIBLE EXPOSURE LIMIT (PEL)

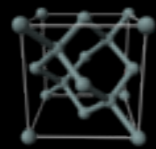
50 $\mu\text{g}/\text{m}^3$ over 8 hours.



Better protect worker health.

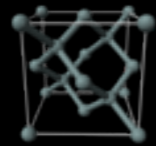
HOW TO COMPLY

Any workplace with exposure over $25 \mu\text{g}/\text{m}^3$



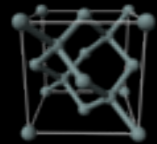
Follow specified exposure control methods in *Table 1* of OSHA Silica Rule

OR

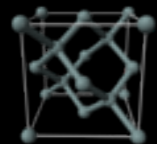


Measure and ensure exposure level below $50 \mu\text{g}/\text{m}^3$

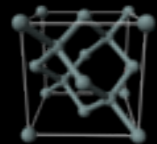
EXPOSURE CONTROL METHODS



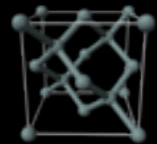
Water Delivery Systems



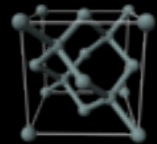
Tool Operation and Maintenance Guidelines



Dust Collection Systems

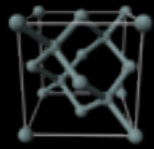


Dust Suppressants

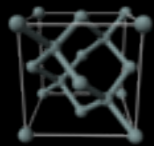


Respiratory Protections

SAFETY PRECAUTIONS

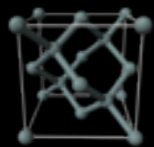


Refer to the SDS when working with a new material to check for silica.



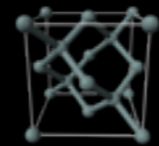
Always wear PPE and only a N100 NIOSH-certified respirator or a Type CE abrasive-blast supplied-air respirator.

Shave facial hair in order to create a tight seal with the respirator.

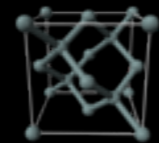


Wear disposable clothing or washable work clothing. Vacuum the dust from any clothing or change clothing before leaving the worksite

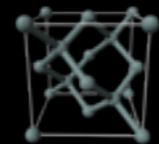
OTHER EMPLOYER RESPONSIBILITIES



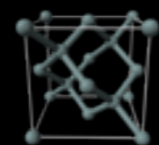
Housekeeping Practices



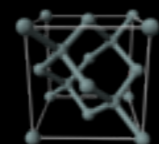
Written Exposure Plan



Medical Exams

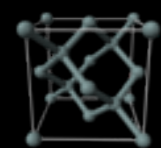


Training

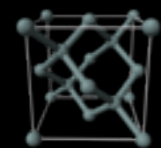


Record-Keeping

TIMELINE FOR CONSTRUCTION INDUSTRY



Comply by June 23, 2017.



1 year Extension for methods of sample analysis.