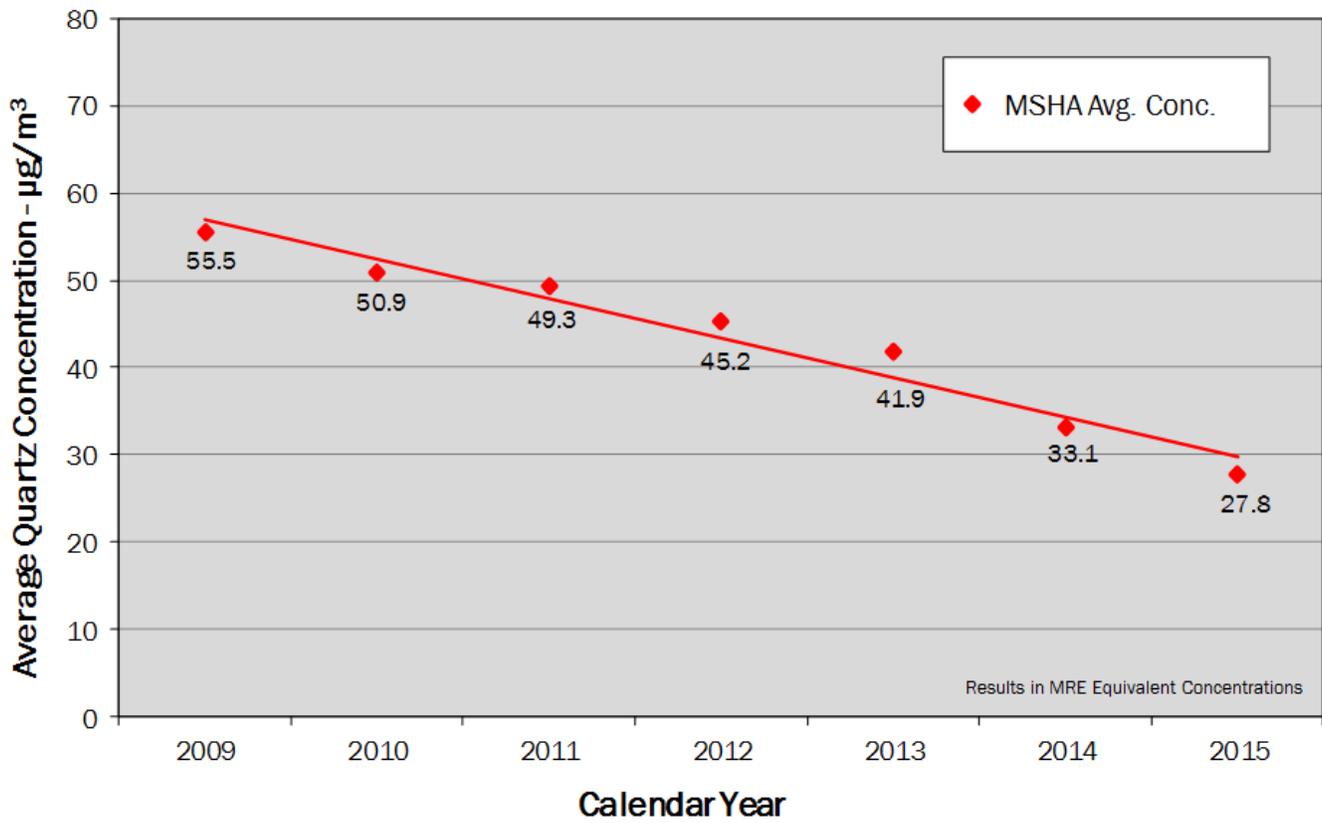




Underground Coal Mines MSHA Average Designated Occupation* Quartz Concentration by Calendar Year



*those occupations exposed to the highest levels of respirable coal mine dust (dustiest occupations)

This chart shows the significant improvements in the yearly average concentration of crystalline quartz, or silica, in underground coal mines for those occupations exposed to the highest levels of respirable dust for each year from 2009 through 2015. The 2015 level, which was half the amount as in 2009, was reached during the operation of the new rule.

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