MSHA: Dust Exposures in Mining

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MNM - Number of Valid MSHA Quartz Samples

Data as of 10/2/2020 LIMS

Calendar Year

MSHA.GOV
MNM – MSHA Quartz Samples
Average Quartz Concentration

Data as of 10/2/2020 LIMS
MNM – MSHA Quartz Samples %> 100 µg/m³

Calendar Year

Data as of 10/2/2020 LIMS

MSHA.GOV
Occupations Being Overexposed

• Past Five Years (2016-2020)

• Coal - 833 Quartz Samples Exceeded 100 µg/m³
  o Continuous Mining Machine Operator (170 or 20.4%)
  o Roof Bolting Machine Operator (161 or 19.3%)
  o Longwall Operators (150 or 18.0%)
  o Bulldozer Operator (117 or 14.1%)
  o Highwall Drill Operators (100 or 12%)
  o Face Haulage Equipment Operators (81 or 9.7%)
Occupations Being Overexposed

• Past Five Years (2016-2020)

• MNM - 936 Quartz Samples Exceeding Allowable Limits
  o Crusher Operator (159 or 17.0%)
  o Laborer (115 or 12.3%)
  o Stone Polisher/Cutter (107 or 11.4%)
  o Cleanup Person (68 or 7.3%)
  o Bagging Operator (57 or 6.1%)
  o Utility Person (56 or 6.0%)
  o Front-End Loader Operator (54 or 5.8%)
  o Dry Screen Plant Operator (42 or 4.5)
Enforcement Practices

- Staff Meetings
- 104(b) Orders
- 103(i) Spot Inspections for Hazardous Conditions
Thank You