

Major Changes to Respirable Dust Sampling Program



Health Hazard Information Card HH-48

Immediate Changes

- ❖ Sample portal to portal for full shift regardless of shift length
- ❖ Control filter required for CMDPSU samples
- ❖ Establish Excessive Concentration Values (ECV)
- ❖ Certified sampler that made on-shift checks must sign dust data card
- ❖ Part 90 includes surface miners
- ❖ Medical monitoring applies to surface and underground miners
- ❖ Noncompliance on MSHA samples will be based on a single full shift measurement
- ❖ Shifts longer than 12 hours, certified sampler will switch CMDPSU with a fully charged pump prior to the 13th hour
- ❖ Mine ventilation plan content:
 - ✓ minimum quantity of air for each MMU
 - ✓ specific details of dust controls for each MMU
 - ✓ specific type, size and maintenance of scrubber screen
 - ✓ maintenance of dust collectors
- ❖ 75.362(a)(2) exams are recorded in a secure book or electronically, verified by certified person, and countersigned by Mine Foreman
- ❖ Operators required to record shift length for each production shift on each MMU
- ❖ Noncompliance based on 2 of 5 required samples meeting or exceeding the ECV

- ❖ Operators required to record production for each shift on each MMU
- ❖ Required air measurements at the end of the line curtain with the scrubber turned off
- ❖ Begin sampling DWPs and Part 90 miners on a quarterly basis
- ❖ Production on shift sampled is 80% of last 30 production shifts
- ❖ Establish $0.1\text{mg}/\text{m}^3$ ($100\mu\text{g}/\text{m}^3$) quartz standard
- ❖ DWPs include highwall drill and bulldozer operators

After 18 months

- ❖ CPDM sampling for DOs and Part 90
- ❖ Establish ODOs on MMUs
- ❖ Sample at least 15 consecutive normal production shifts for DOs and ODOs
- ❖ Noncompliance on operator collected samples will be based on 3 of 15 required samples meeting or exceeding the ECV
- ❖ The District Manager may require additional sets of 15 samples on DOs if he believes the ventilation plan is not being followed
- ❖ Shifts longer than 12 hours, certified sampler will switch CPDM with a fully charged unit prior to the 13th hour

After 24 months

- ❖ The dust standard is reduced to $1.5\text{mg}/\text{m}^3$ ($0.5\text{mg}/\text{m}^3$ on intake air and Part 90 miners)

If you have questions about any occupational health matter, please contact your local MSHA office or MSHA's national office at (202) 693-9500.

Our job is to protect your health

*U.S. Department of Labor
 Mine Safety and Health Administration
 Visit our Web site at www.msha.gov*

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