

Respirable Dust Sampling



Underground Coal Mines (DA)

Health Hazard Information Card HH-50

How often will the operator sample the DA?

- ❖ Mine operators will:
 - ✓ continue collecting Bimonthly samples using gravimetric sampling unit
 - ✓ sample portal to portal for full shift regardless of shift length
- ❖ Sampling done by a person Certified in sampling (Certified Sampler)
- ❖ A Certified Sampler is required to:
 - ✓ make at a minimum 2 on-shift checks
 - ✓ if a miner is a DA: put sampling device on the miner and take it off
 - ✓ if the DA is an area: carry the device to and from the DA
 - ✓ if shift is longer than a sampling unit will operate, transfer sampling hose with sampling head and filter to a fully charged pump while pump continues to operate on the DA
- ❖ Certified Sampler that made on-shift checks must sign dust data card
- ❖ If sample exceeds the standard, collect 5 additional samples

What happens 18 months after the rule goes into effect?

- ❖ DAs on an MMU:
 - ✓ become Other Designated Occupations (ODO)
 - ✓ begin sampling on a quarterly basis
 - ✓ use a Continuous Personal Dust Monitor (CPDM) to collect samples
 - ✓ sample at least 15 consecutive normal production shifts

- ✓ each ODO type sampled over separate periods
- ✓ sample portal to portal for full shift regardless of shift length
- ❖ Shifts longer than 12 hours, Certified Sampler will switch CPDM with a fully charged unit prior to the 13th hour
- ❖ Outby DAs:
 - ✓ sample at least 5 consecutive normal production shifts
 - ✓ optional use of CPDM or CMDPSU
- ❖ A Certified Sampler is required to:
 - ✓ at a minimum monitor the CPDM at mid-shift
 - ✓ fill out and sign dust data card generated by the CPDM

How will I know the results of the respirable sample collected?

- ❖ Gravimetric samples, operator must post MSHA provided report for at least 31 days
- ❖ CPDM data, Certified Sampler shall, within 12 hours after end of each sampling shift, print, sign and post CPDM generated dust data card
- ❖ CPDM generated dust data card shall remain posted until receipt of MSHA respirable dust sampling report
- ❖ MSHA report shall be posted for at least 31 days

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*

April 2014