

Certified Person Responsibilities



Sampling for Respirable Dust

Health Hazard Information Card HH-54

Pre-shift Check of the Sampling Equipment

Coal Mine Dust Personal Sampling Unit (CMDPSU):

- ❖ Examine all components of the cyclone assembly including the interior of:
 - ✓ the connector barrel
 - ✓ vortex finder
 - ✓ cyclone body
 - ✓ grit pot
- ❖ Examine the inner surface of the cyclone for scratches or scoring
- ❖ Examine the external hose connecting the pump to the sampling head assembly to assure it is clean and free of leaks
- ❖ Examine the clamping and positioning of the cyclone body, vortex finder and cassette to assure they are rigid, in alignment, firmly in contact and airtight
- ❖ Test the voltage of the battery while under actual load

Continuous Personal Dust Monitor (CPDM):

- ❖ Follow the pre-operational examinations, testing and set-up procedures recommended by the manufacturer
- ❖ Perform necessary external maintenance recommended by the manufacturer
- ❖ Perform other required scheduled examinations and maintenance procedures recommended by the manufacturer

Who can perform the pre-shift checks?

- ❖ A certified person sampling
- ❖ A certified person maintenance and calibration

When are the pre-shift checks to be made?

- ❖ No more than 3 hours prior to the shift the sampling unit will be used to collect respirable dust samples

What is required on on-shift checks of the sampling equipment?

- ❖ It is in the proper location
- ❖ It is operating properly
- ❖ It is operating at the proper flow rate

When are the on-shift checks required?

- ❖ If using a Coal Mine Dust Personal Sampling Unit (CMDPSU):
 - ✓ during the second hour after being put into operation and in the last hour of operation
- ❖ If using a Continuous Personal Dust Monitor (CPDM):
 - ✓ mid-shift or
 - ✓ as specified in the ventilation plan

Who can perform the on-shift checks?

- ❖ A certified person sampling

Who signs the dust data card?

- ❖ The certified person sampling that performed the on-shift checks

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
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April 2014