



**Respirable Dust Rule
Phase II
Effective February 1, 2016**

Continuous Personal Dust Monitor (CPDM)

- CPDMs are required for:
 - Designated Occupations
 - Other Designated Occupations
 - Part 90 Miners
 - Surface and Underground



Quarterly Sampling Schedules

- April 1- June 30
- July 1- September 30
- October 1 - December 31
- January 1- March 31

Designated Occupation (DO)

- Fifteen valid consecutive respirable dust samples per quarter
- Must be sampled before Other Designated Occupations (ODOs)

ODO Sampling

- Fifteen valid respirable dust samples per quarter
- Each ODO type must be sampled separately during the quarter after the Designation Occupation
- Each ODO must be listed in approved ventilation plan
- Designated Areas associated with an MMU (such as a roof bolter) will be ODOs after February 1, 2016

Other Entities

Outby Designated Areas

- 5 valid consecutive respirable dust samples per quarter
- Must be sampled with a gravimetric sampler unless CPDM use is requested

Part 90 Miners

- 5 valid consecutive respirable dust samples per quarter
- Each Part 90 miner must be sampled with a CPDM

Sample Void Codes

- ❑ MSHA establishes and uses codes to void respirable dust samples for:
 - Data entry errors
 - Equipment and technical errors

CPDM Status Codes Resulting in Sample Voids

Void Code	CPDM Status Code	Condition	Current Threshold
EFI	TE NOT DETECTED	Sample is voided when status is detected more than 15 minutes prior to the end of the shift	15 minutes prior to end of shift
	MASS OFFSET ERROR	Sample is voided when status is detected more than 15 minutes prior to the end of the shift	15 minutes prior to end of shift
	CPU FAULT	Sample is voided when status is found	Immediately when condition occurs
	TE FREQUENCY	Sample is voided when status is found	Immediately when condition occurs
	PDM CPU RESET	Sample is voided when status is found	Immediately when condition occurs
	POWER LOW SHUTDOWN	Sample is voided when status is detected before the last 15 minutes of the shift	15 minutes prior to end of shift
	TE Temp Out of Range	Sample is voided when status is detected for 30 minutes during the sampling shift.	30 minutes during sampling shift
FOR	FLOW OUT OF RANGE	Sample is voided when the total duration of the status is 5 percent or more of the shift duration	5 percent or more of the shift duration