

CPDM Status Codes Resulting in MSHA System Voiding Respirable Dust Samples

| CPDM Status Code | Condition | Void Code | Current Threshold |
|----------------------|--|-----------|---|
| TE NOT DETECTED | Sample is voided when status is detected before the last 15 minutes of the shift | EFI | Occurs earlier than 15 minutes before end of shift |
| FLOW OUT OF RANGE | Sample is voided when the total duration of the status is 5 or more percent of the shift duration. | FOR | 5 percent of the total sampling time |
| MASS OFFSET ERROR | Sample is voided when, over any two minute period, total mass increase is 0.3 mg or greater or total mass loss is 0.1 mg or greater. | EFI | Over 2 minute period, change in total mass of + 0.3 mg or -0.1 mg |
| CPU FAULT | Sample is voided when status occurs | EFI | When Occurs |
| TE FREQUENCY | Sample is voided when status occurs | EFI | When Occurs |
| PDM CPU RESET | Sample is voided when status occurs | EFI | When Occurs |
| POWER LOW SHUTDOWN | Sample is voided when status is detected before the last 15 minutes of the shift | EFI | Occurs earlier than 15 minutes before end of shift |
| TE Temp Out of Range | Sample is voided when status is detected in the first or last minute of the sample file. | EFI | Occurs during first or last minute of sample file |