

Corrective Actions

When A Sample Meets or Exceeds the ECV on Operator Samples



Health Hazard Information Card HH-55

What is an ECV?

- ❖ ECV stands for Excessive Concentration Value:
 - ✓ indicates with 95% confidence the standard has been exceeded
 - ✓ ECVs are different based on the type of sampling device used and the number of samples collected
 - ECV for single full-shift samples CMDPSU and CPDM
 - ECV for average of 5 or 15 samples CMDPSU and CPDM

What triggers corrective actions?

- ❖ Any single sample that meets or exceeds the ECV

What corrective actions are required?

- ❖ The operator must:
 - ✓ make respirators available
 - ✓ immediately take corrective action to lower the respirable dust levels to at or below the applicable standard
 - ✓ record the corrective actions in a secure book or electronically

Will a citation be issued?

- ❖ A citation will not be issued if:
 - ✓ only 1 of 5 required samples meets or exceeds the ECV or
 - ✓ only 1 or 2 of 15 required samples meets or exceeds the ECV

When will a citation be issued?

- ❖ A citation will be issued if:
 - ✓ 2 or more of 5 required samples meets or exceeds the ECV or
 - ✓ 3 or more of 15 required samples meets or exceeds the ECV or
 - ✓ the average of all required samples meets or exceeds the ECV

What is required if a citation is issued?

- ❖ The operator must:
 - ✓ make respirators available
 - ✓ immediately take corrective action to lower the respirable dust levels to at or below the applicable standard
 - ✓ record the corrective actions in a secure book or electronically
 - ✓ within 8 days begin sampling consecutive normal production shifts until 5 valid samples are collected

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

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