

MOSH DUST LEADING PRACTICES

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- 1. Definition of MOSH Adoption System
- 2. Dust Practices and Benefits
- 3. Conclusion



What is MOSH Leading Practice Adoption??

This is what distinguishes it from any other...........

BC and LB

Identifies Leading Practices in health and safety and helps with their widespread adoption across industry

Focuses on the "People" issues that help to overcome resistance-to-adoption.

Leading practice: A practices with the highest impact



Mine Occupational Safety and Health (MOSH)





MOSH Dust Leading practices



Fogger Dust Suppression System



For Intake airways, Used with surfactants



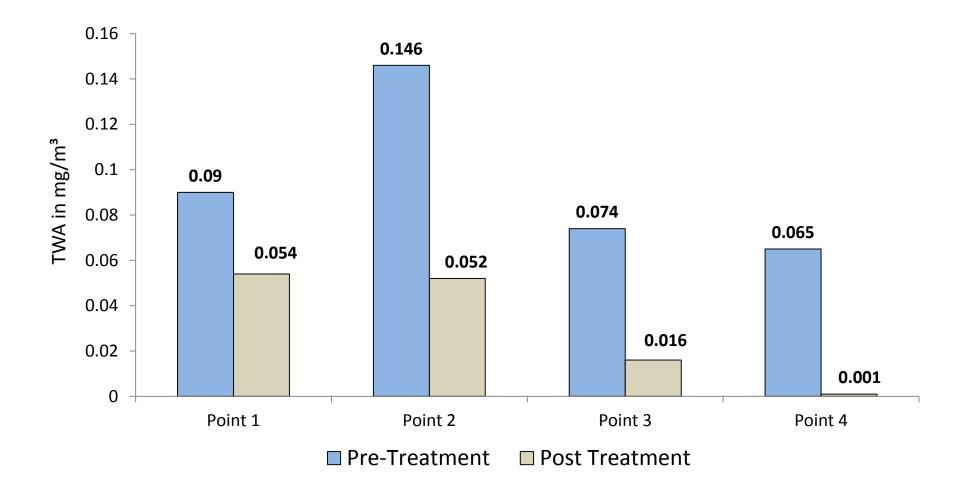
Footwall & Side wall treatment



Wetting of footwalls and sidewalls with water and surfactants to prevent dust from airborne

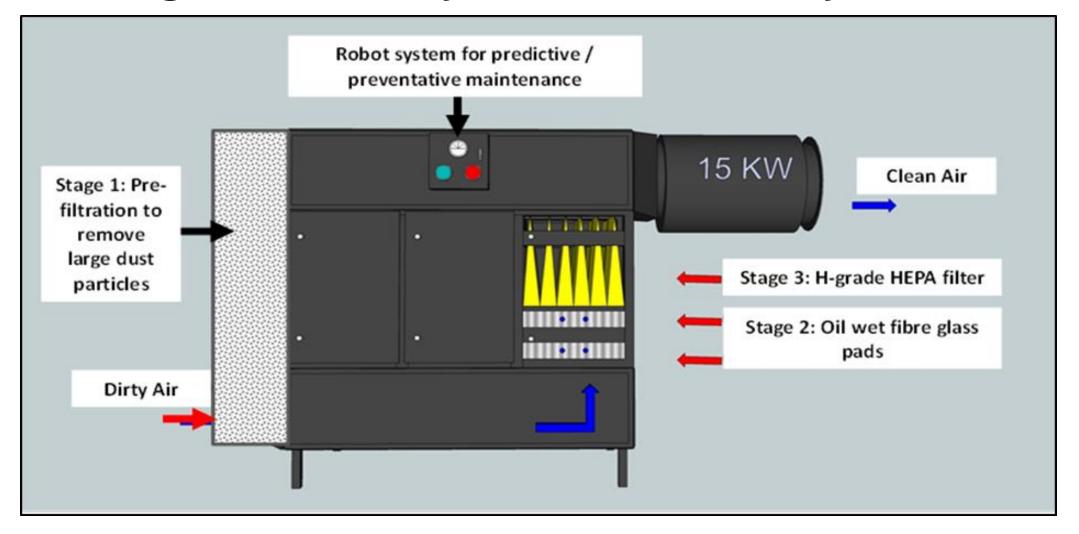


Benefits



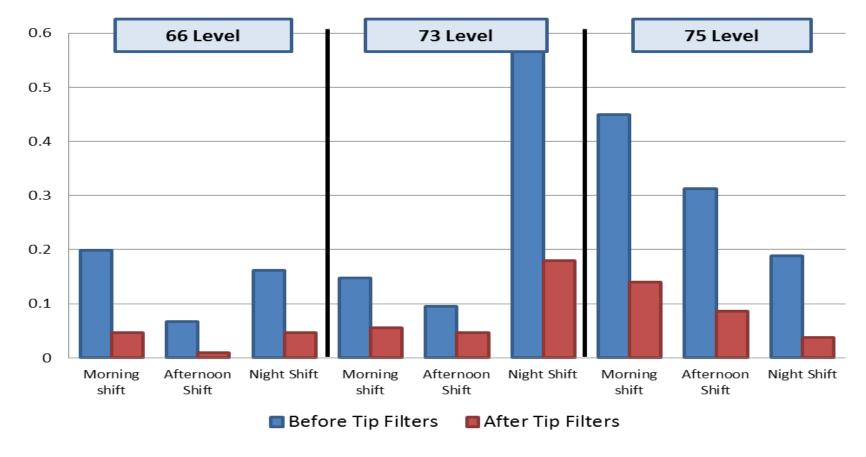


Multistage Filtration System-Intake airway





Benefits



□ Average improvement of 71% in the dust load (TWA)



Scraper winch covers









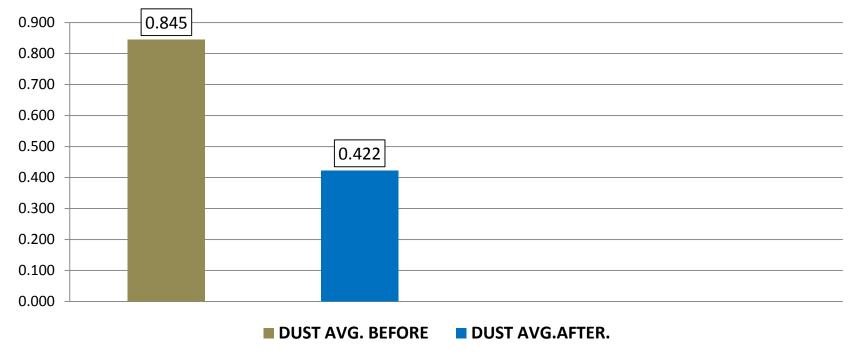
POST-COVER





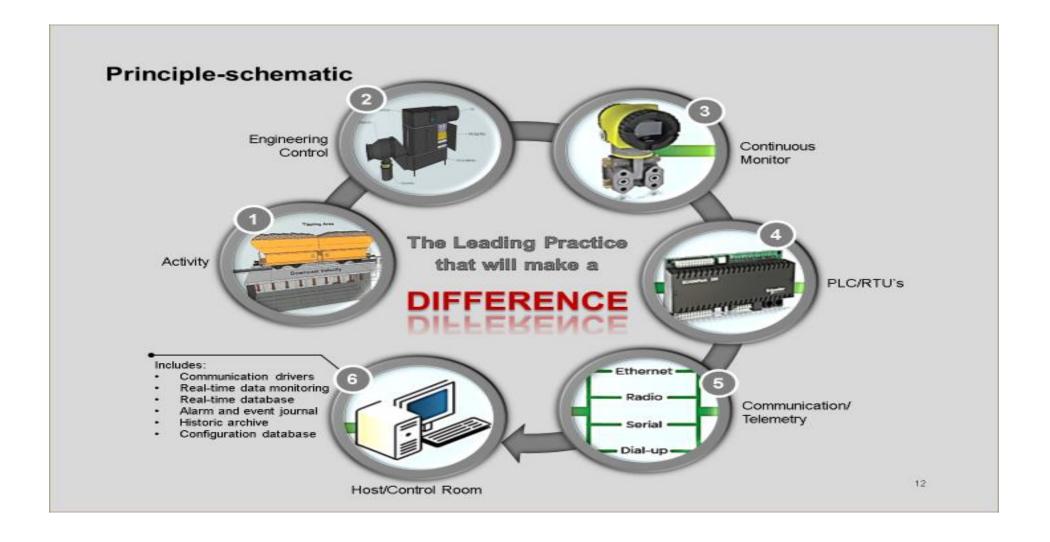
Benefits







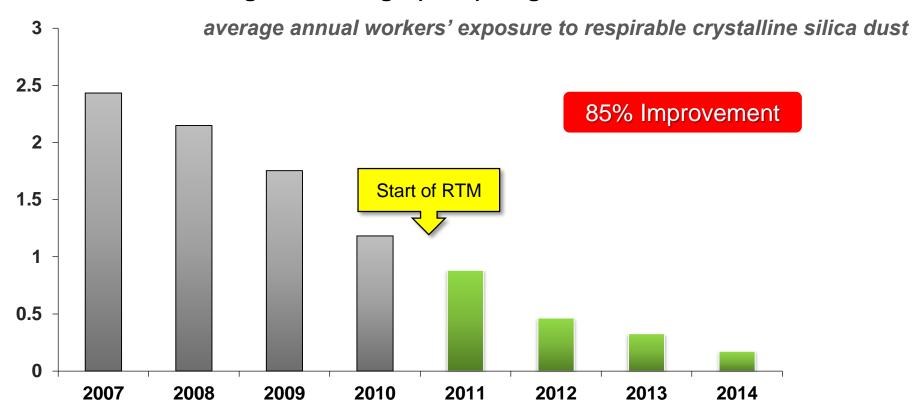
Continuous Real Time Monitor





Open cast source

Time Weighted Average (TWA) - mg/m³





Continuous real time notes

- Alarm levels set at a level far lower than the TWA exposure levels
- Proactive response to engineering controls problems
- Next step is to automate the engineering controls while waiting for human intervention
- Coal underground mines piloting real-time, which if successful, will be ground breaking globally



Conclusion

- 1. MOSH Dust Leading Practices are assisting the industry to achieve the 2024 Milestones, however,
- No single leading practice is "silver bullet" but merely one of a number of interventions that will take industry to 2024 and beyond



