

11th U.S./North American Mine Ventilation Symposium

Short Course

State of the Art in Diesel Applications and Exhaust Control

Sunday, June 4, 2006

AGENDA

1. Welcome and Introduction - Edward Thimons (8:00 am- 8:15 am)
2. Update on MSHA Coal and Metal/Nonmetal Diesel Regulations - Bill Pomeroy (8:15 am - 8:45 am)
3. Strategies and Technologies for Controlling Exposure of Underground Miners to Diesel Particulate Matter and Gases - Dr. Aleksandar Bugarski (8:30 am - 9:15 am)

Coffee break (9:15 am - 9:30 am)

4. Emissions Assisted Maintenance
 - 4.1. Maintenance of Heavy-Duty Underground Mining Diesel Powered Equipment - Sean McGinn (9:30 am - 10:00 am)
 - 4.2. Emissions Assisted Maintenance Programs in Underground Coal Mines - Steve Forbush (10:00 am - 10:30 am)
5. Reformulated Fuels in Underground Mines
 - 5.1. Effects of Reformulated Fuels on Concentrations of Diesel Particulate Matter in Underground Mine – Stillwater Isolated Zone Studies – Dr. George Schnakenberg (10:30 am – 11:15 am)
 - 5.2. Biodiesel and Water Emulsions in Stone Mines - Ren Ramer (11:15 am – 11:45 am))

Lunch Break (11:45 am - 1:00 pm)

6. Selection and Implementation of Exhaust Aftertreatment Technologies
 - 6.1. Effects of Exhaust Aftertreatment Technologies on Concentrations of Diesel Particulate Matter and Gases in Underground Mine – Stillwater Isolated Zone Studies - Dr. Aleksandar Bugarski (1:00 pm - 1:30 pm)
 - 6.2. Selection of Diesel Particulate Filter Systems for Underground Mining Applications - Dr. George Schnakenberg (1:30 pm – 2:00 pm)
 - 6.3. Exhaust Aftertreatment Technologies in US mines - William Pomroy (2:00 pm - 2:30 pm)
 - 6.4. Implementation of Exhaust Aftertreatment Technologies in US MNM mines: Industry experience - Mark Good, John Head, and Rick Anderson (2:30 pm - 3:00 pm)
 - 6.5. Implementation of Diesel Particulate Filter Systems in Canadian Underground Mines - Dr. Jozef Stachulak (3:00 pm - 3:30 pm)

Coffee break (3:30 pm - 3:45 pm)

7. Open discussion forum moderated by Edward Thimons (3:45 pm - 5:30 pm)
8. Concluding remarks - Edward Thimons (5:30 pm - 5:35 pm)