

AGENDA

Technical Seminar:
Practices and Technologies:
Coal Mine Methane Recovery and Utilization
in Ukraine
&
UNECE Best Practice Guidance for
Effective Methane Drainage and Use in Coal Mines

September 21-22, 2011
Victoria Hotel
14 A Mira Avenue, Donetsk 83015, Ukraine

Day One: 21 September

- 9:30 – 10:00** **Registration and refreshments**
- 10:00 – 10:10** **Welcome and opening remarks**
Donetsk Oblast State Administration
- 10:10 – 10:30** **Keynote speeches**
*Igor Yashchenko, Deputy Head of Industrial Safety Department,
Ministry of Energy and Coal Industry of Ukraine*
Felicia Ruiz, U.S. Environmental Protection Agency (US EPA)

Session 1: Policy and State of Coal Industry in Ukraine

Moderator: Boris Gryadushchiy, Donetsk Research Coal Institute

- 10:30 – 10:50** **Modernization of Degasification Systems and CMM Recovery and Utilization: Situation in Ukraine**
S. Maneilo, SE "Alternative Fuels Center" of Ministry of Energy and Coal Industry
- 10:50 – 11:10** **Preparing Coal Mine Methane (CMM) Projects in Ukraine**
Meredydd Evans, Pacific Northwest National Laboratory (PNNL)
- 11:10 – 11:30** **Networking and Refreshment Break**

Session 2: Best Practices for Degasification in Advance of Mining

*Moderator: Raymond C. Pilcher, President of Raven Ridge Resources, Incorporated
and Chair of UNECE Group of Experts on CMM*

- 11:30 – 11:40** **Overview of Advanced Drilling Technologies**
Raymond C. Pilcher, Raven Ridge Resources, U.S.A.
- 11:40 – 12:10** **Pre-Drainage of Deep Coal Seams**
Thomas Imgrund and Erwin Kunz, DMT GmbH & Co. KG, Germany

12:10 – 12:40 **Directional Drilling for Gob Gas Drainage at the Belozerskaya Mine**
Jeff Schwoebel, REI Drilling, Inc., U.S.A.

12:40 – 13:40 **Luncheon**

Session 3: Combination of Methods for Maximizing Methane Capture & Optimizing Utilization of Drained Gas

Moderator: Felicia Ruiz, US EPA

13:40 – 14:10 **Improved Drainage Boosts CMM to Power Economics**
Gerhard Pirker, GE Energy (Jenbacher), Austria

14:10 – 14:40 **Electric Power Applications using CMM**
Igor Novad, CATERPILLAR CIS, Russia

14:40 – 15:10 **Reserve Assessment, Pump Selection and Utilization Sizing for AMM and
CMM**

William L. Tonks, Harworth Energy Limited, U.K.

15:10– 15:30 **Networking and Refreshment Break**

Session 4: Ukrainian Case Studies

*Moderator: Igor Yashchenko, Deputy Head of Industrial Safety Department,
Ministry of Energy and Coal Industry of Ukraine*

15:30 – 15:45 **Challenges and Perspective of Increasing CMM Recovery and Utilization
in Ukraine**
Victor Kocherga, Makeevka Scientific-Research Institute of Coal Mine Safety

15:45 – 16:00 **GHG Emissions Reduction at DTEK Coal Enterprises**
Irina Verbitskaya, Head of the Environmental Security Department, DTEK

16:00 – 16:15 **Main Directions of CMM Utilization at the Ukrainian Coal Mines**
Vladimir Kasianov, Eco-Alliance Ltd

16:15 – 16:30 **CMM Extraction and Utilization at Public Company “Shahtoupravlenie
Pokrovskoe”**
Andrey Bondar, Donetskstal Metallurgical Plant PrJSC

16:30 – 16:45 **Examining Prospects for VAM Utilization in Ukraine**
Nikolai Zhikaliak, Donetskgeologiya (State Regional Geological Company)

16:45 – 17:00 **Day One Closing Remarks**

17:00 – 17:45 **Light reception**

Day Two: 22 September

9:00 – 9:30 **Increase on Efficiency of CMM Recovery and Utilization at Zasyadko Coal
Mine**
*Vyacheslav Lukinov, Institute of geotechnical mechanics of National Academy
of Sciences, Boris Bokiy, JSC “Mine after A.F. Zasyadko”, Ukraine*

Session 5: Mitigation of Methane Emissions through Ventilation Air Methane (VAM) Utilization

Moderator: Meredydd Evans, PNNL

- 9:30 – 10:00 **VAM Oxidation: VAMOX[®] Technology and Project Experience**
Guy Drouin, Biothermica, Canada
- 10:00 – 10:30 **VAM Processing: Background and Global Status**
Richard Mattus, MEGTEC Systems, Sweden
- 10:30 – 11:00 **Brainstorming Session: Critical Barriers and Needs on CMM**
- 11:00 – 11:15 **Closing remarks**



UNECE BEST PRACTICE GUIDANCE FOR EFFECTIVE METHANE DRAINAGE AND USE IN COAL MINES

- 11:30 – 12:45 **Opening to Workshop – Working Lunch**
- 12:30– 12:45 **Introduction to the work of the UNECE Group of Experts on CMM**
*Branko Milicevic, UNECE, Secretary for the Group of Experts on CMM,
Raymond C. Pilcher, Chair, UNECE Group of Experts on CMM*
- 12:45– 13:15 **Assistance for a New Coal Mine Inspector Training Facility at Lugansk,
Ukraine**
Jerry Triplett, Partnership for Energy and Environmental Reform
- 13:15– 13:45 **Best Practice Explosion Prevention**
Dr. David Creedy, Sindicatum Carbon Capital
- 13:45 – 14:15 **Best Practice Guidance for Effective Post-Mining Drainage**
Dr. Erwin Kunz, DMT GmbH & Co. KG
- 14:15 – 14:45 **Refreshment Break**
- 14:45 – 15:15
Formations **Application of Advanced Drilling Technology in Overpressured
Formations**
Raymond C. Pilcher, Raven Ridge Resources, Incorporated
- 15:15 – 16:45 **Panel Discussion: How Can Adoption of Best Practices Improve Mine
Safety?** (Open discussion of questions submitted by Ukraine mine professionals
related to technical problems encountered in Ukraine coal mines)
Creedy, Kunz, Triplett, Pilcher, Tonks, Imgrund
- 16:45 – 17:00 **Closing Remarks**