

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

DRAFT AGENDA

Day One: 21 September

- 8:30 – 9:00** **Registration and refreshments**
- 9:00 – 9:10** **Welcome and opening remarks**
Deputy Head of Donetsk Oblast State Administration
- 9:10 – 9:30** **Keynote speeches**
Deputy Minister 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: Oleh Dudkin, Head of Secretariat of the Verhovna Rada (Ukrainian Parliament)
Committee on Fuel and Energy Complex, Nuclear Policy and Nuclear Safety*

- 9:30 – 9:50** **Policies to Encourage Coal Mine Methane Utilization Projects**
*Oleh Dudkin, Head of Secretariat of the Verhovna Rada Committee on Fuel and Energy
Complex, Nuclear Policy and Nuclear Safety*
- 9:50 – 10:10** **Preparing Coal Mine Methane (CMM) Projects**
Meredydd Evans, Pacific Northwest National Laboratory (PNNL)
- 10:10 – 10:30** **Modernization of Degasification Systems and CMM Recovery and Utilization:
Situation in Ukraine**
SE “Alternative Fuels Center” of Ministry of Energy and Coal Industry
- 10:30 – 11:00** **Networking and Refreshment Break**

This event is sponsored by US EPA through the Global Methane Initiative and organized by the United Nations Economic Commission for Europe (UNECE), Agency for Rational Energy Use and Ecology (Ukraine) and Pacific Northwest National Laboratory (USA). The event also counts on support from the Ministry of Energy and Coal Industry of Ukraine and the Donetsk Regional State Administration.

Session 2: Best Practices for Degasification in Advance of Mining

Moderator: Raymond C. Pilcher, Raven Ridge Resources Inc.

- 11:00 – 11:30** **Directional Drilling for Gob Gas Drainage at the Belozerskaya Mine**
Jeff Schwoebel, REI Drilling, Inc.
- 11:30 – 12:00** Ralph Schlüter, DMT GmbH & Co. KG (invited)
- 12:00 – 13:30** *Luncheon*
- 13:30 – 14:00** Schlumberger (invited)
- 14:00 – 14:30** **Ukraine Case Study**
- 14:30 – 14:50** **Question and Answer Session**
- 14:50 – 15:20** *Networking and Refreshment Break*

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

Moderator: Meredydd Evans, PNNL

- 15:20 – 15:50** **Electric Power Applications using CMM**
François-Xavier Saury, CATERPILLAR Electric Power
- 15:50 – 16:20** **Improved Drainage Boosts CMM to Power Economies**
Gerhard Pirker, GE Energy (Jenbacher)
- 16:20 – 16:50** Technical speaker, TBD
- 16:50 – 17:20** **Ukraine Case Study: Challenges and Perspective of Increasing CMM Recovery and Utilization in Ukraine**
Victor Kocherga, Makeevka Scientific-Research Institute of Coal Mine Safety
- 17:20 – 17:40** *Question and Answer Session*
- 18:00 – 19:00** *Reception*

Day Two: 22 September

Session 4: Mitigation of Methane Emissions through Ventilation Air Methane (VAM) Utilization

Moderator: Felicia Ruiz, US EPA

- 9:00 – 9:30** **VAM Oxidation: VAMOX[®] Technology and Project Experience**
Guy Drouin, Biothermica
- 9:30 – 10:00** **VAM Processing: Background and Global Status**
Richard Mattus, MEGTEC Systems

10:00 – 10:30	Harworth Energy Limited (invited)
10:30 – 11:00	Ukraine Case Study: Examining Prospects for VAM Utilization in Ukraine <i>Nikolai Zhikaliak, Donetskgeologiya (State Regional Geological Company) (invited)</i>
11:00 – 11:20	Questions and Answer Session
11:20 – 11:30	<i>Closing Remarks</i>
11:30 – 13:00	<i>Lunch</i>

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

13:00 – 13:15	Introduction to the work of the UNECE Group of Experts on CMM <i>Branko Milicevic, UNECE, Secretary for the Group of Experts on CMM, Raymond C. Pilcher, Chair, UNECE Group of Experts on CMM</i>
13:15 – 13:45	Assistance for a New Coal Mine Inspector Training Facility at Lugansk, Ukraine <i>Jerry Triplett, Partnership for Energy and Environmental Reform</i>
13:45 – 14:15	Best Practice Explosion Prevention <i>Dr. David Creedy, Sindicatum Carbon Capital</i>
14:15 – 14:45	Best Practice Guidance for Effective Post-Mining Drainage <i>Dr. Erwin Kunz, DMT GmbH & Co. KG, Germany</i>
14:45 – 15:15	<i>Refreshment Break</i>
15:15 – 15:45	Application of Advanced Drilling Technology in Overpressured Formations <i>Raymond C. Pilcher, Raven Ridge Resources, Inc.</i>
15:45 – 17:15	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) <i>Creedy, Kunz, Triplett, Pilcher, Schwoebel</i>
17:15 – 17:30	Closing Remarks

Please note this is a provisional program and times are subject to change