







Technical Seminar: Practices and Technologies: Coal Mine Methane Recovery and Utilization in Ukraine

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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)
	sion 1: Policy and State of Coal Industry in Ukraine oderator: 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 CMM	Reserve Assessment, Pump Selection and Utilization Sizing for AMM and	
	William L. Tonks, Harworth Energy Limited, U.K.	
15:10– 15:30	Networking and Refreshment Break	
Moderat	Session 4: Ukrainian Case Studies or: 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		

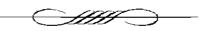
Increase on Efficiency of CMM Recovery and Utilization at Zasyadko Coal 9:00 - 9:30 Mine Vyacheslav Lukinov, Institute of geotechnical mechanics of National Academy of Sciences, Boris Bokiy, JSC "Mine after A.F. Zasyadko", Ukraine







Session 5: Mitigation of Methane Emissions through Ventilation Air Methane (VAM) Utilization Moderator: Meredydd Evans, PNNL
VAM Oxidation: VAMOX [®] Technology and Project Experience Guy Drouin, Biothermica, Canada
VAM Processing: Background and Global Status Richard Mattus, MEGTEC Systems, Sweden
Brainstorming Session: Critical Barriers and Needs on CMM
Closing remarks



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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 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