

METHANE TO MARKETS REGIONAL WORKSHOP

Agenda – Working Draft

Venue: Beijing, China (Hotel Kunlun)

Date: 2 December 2005

Sponsors:

- Australia – Australian Greenhouse Office (AGO)
- USA – Environmental Protection Agency (US EPA)
- China – China Coal Information Institute (CCII)
- Japan – New Energy and Industrial Technology Development Organization (NEDO)

Workshop Facilitators:

- US Representative – Mr Raymond Pilcher
- Australian Representative – Dr Cliff Mallett
- Japanese Representative – Dr Sohei Shimada

Steering / Organisation

Committee:

- *Australia:*
 - AGO
 - ITR
 - CSIRO
- *China:*
 - CCII
- *USA:*
 - US EPA
- *Japan:*
 - NEDO

Workshop Objective:

The purpose of the workshop is to focus on the successful development of coal mine methane projects in China, including ventilation air methane projects. Several case studies will be developed and presented. The workshop will also provide a unique opportunity for interactive discussion with representatives from other developing coal mining countries to discuss the relevance of the Chinese experiences to overcoming project development barriers.

Workshop Programme:	
Morning: Session 1– General Introduction and Overview	
Master of Ceremonies	Professor Huang Shengchu
08:30 – 09:00	Introduction and Welcome / Overview and Objectives of the Workshop <i>Chinese Representative, Mr Wei Pengyuan, NDRC Australian Representative, Mr Cliff Mallett CSIRO US Representative, Ms Pamela Franklin, US EPA Japan Representative, Mr Hideo Shindo, NEDO</i>
09:00 – 09:20 Presentation	Brief Overview of CMM Activities in China <i>Professor Huang Shengchu, CCII</i>
Morning: Session 2 – Potential CMM Project Opportunities in China	
Master of Ceremonies	Dr Cliff Mallet, CSIRO

09:20 – 09:45 Technical Presentation	Coal Mine Drainage Gas for Power Generation in China <i>Mr. He Tiancai, Chief Engineer Jincheng Anthracite Mining Co.</i>
09:45 – 10:00	Morning Tea
10:00 – 10:25 Technical Presentation	Australian Company CMM China Project Case Study <i>Mr John Hocken, ComEnergy</i> <i>Mr. Hocken will present information about ComEnergy Technology which uses mine gas - including ventilation air and waste coal - to generate power. He will discuss the results of Project Studies undertaken both in Australia and China including the fuels used and commercial outcomes.</i>
10:25 – 10:50 Technical Presentation	Improvement of mine gas drainage and utilisation (Case A) <i>Dr Ting Ren, CSIRO</i> <i>Dr Ren will present an AGO/CSIRO sponsored case study demonstrating the procedures for and the economics of how to recover mine methane in a Chinese coal mine by improving drainage systems and how to efficiently utilise the drainage gas.</i>
10:50 – 11:15 Technical Presentation	Capture and utilisation of Ventilated Air Methane (Case B) <i>Dr Shi Su, CSIRO</i> <i>Dr Su will present an AGO/CSIRO sponsored case study demonstrating the economics and procedures for the effective capture and utilisation of low concentration ventilation air methane from a Chinese coal mine.</i>
11:15 – 11:40 Technical Presentation	United States VAM Pre-feasibility Study at Huainan Mine <i>Mr. Lee Schultz, BCS Incorporated</i> <i>Mr Schultz will present the results of a US EPA sponsored pre-feasibility evaluation of ventilation air methane-to-energy project potential at five mines in the Huainan Mining Group. He will address technical feasibility, economic viability and key factors for project success.</i>
11:40 – 12:20 Panel Discussion Facilitator Panel	Coal Company Experiences on working in China <i>Dr Sohei Shimada, University of Tokyo</i> <i>EcoSecurities (TBC)</i> <i>Asian-American Coal (Name TBC)</i> <i>Peabody (Name TBC)</i> <i>Mr Yoshito Yoshimura, Senior Executive Director, JCOAL</i> <i>This panel discussion will present the opportunity for representatives from international coal companies working in China to discuss informally and candidly their experiences and strategies for overcoming barriers in doing business there.</i>
12:20 – 13:20	Lunch

Afternoon: Session 3 – Addressing the Barriers to Conducting CMM Projects	
Master of Ceremonies	Mr Hideo Shindo, NEDO
13:20 – 14:00	Ownership, Regulations, Tax and other Policies in China
Policy Presentation	<i>Mr. Liu Wenge, CCII</i> <i>Question and Answer Session – All Participants</i>
14:00 – 14:50	Project Financing and Management
Facilitator	<i>TBA?</i>
Policy Presentation	<i>ADB Manilla Rep (Name TBC)</i> <i>Mr. Zhao Jianping, Senior Specialist World Bank</i> <i>Mr Wei Pengyuan, Director NDRC</i>
14:50 – 15:10	Afternoon Tea
15:10 – 17:00	Session 3 Open Forum Discussion & Developing Country CMM Project Experiences Discussion
Panel Discussion	
Introductions	<i>Mr Jack Siegel, ERI</i>
Moderator	<i>Mr Raymond Pilcher, Raven Ridge Resources</i>
Participants	<i>Panelists from developing countries and entire workshop participation.</i> <i>This panel will discuss country specific opportunities and barriers to CMM recovery and utilisation in the developing countries and/or countries in economic transition with a focus on the countries in attendance including China. The panellists will discuss an overview of CMM potential in their countries with a focus on barriers and opportunities unique to their domestic situation. The panel and group discussion should enable a better understanding of the ranges of experiences in overcoming barriers to CMM recovery and use in many countries and regions including China.</i>
17:00 – 17:30	Workshop Conclusion and Close – Summary of opportunities in China (prospective areas, technologies, markets etc) and issues for developing countries
Summary and Conclusion	
Co-facilitators	<i>Dr Sohei Shimada, University of Tokyo</i> <i>Dr Cliff Mallett, CSIRO</i> <i>Mr Raymond Pilcher, Raven Ridge Resources</i>

Developing Country Participants	
Country	Participant
Argentina	Mr. Daniel Perczyk Advisor, Secretariat of Environment and Sustainable Development
Colombia	Mr. Alonso Cardona Internal Advisor, Office of Viceminister of Mines and Energy, Ministry of Mines and Energy and/or Ms. Maria Piedad Mier Alonso Cardona works on energy transformation technologies, renewables and energy balances in processes. Maria Piedad Mier is head of regulatory activities and Ministry role in environmental aspects of energy projects.
Nigeria	Mr. Solomon Adesanya Deputy Director, Dept. of Pollution Control, Ministry of Environment
Russia	Mr. Vyacheslav Storonskiy Deputy Director General of OAO 'Promgaz'
Ukraine	Mr. Nikolay Lukinov Doctor of Geology-Mineralogy Sciences and Deputy-Director, Institute of the Geotechnical Mechanics, National Academy of Sciences of Ukraine Professor Lukinov is an expert in geology of coalmine/coalbed gases; he studies geological conditions of methane formation and accumulation in mine fields.