

Global Methane Initiative

U.S. Country Update to Coal Subcommittee



Subcommittee Co-Chairs:
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U.S. Activities Update

- Cooperation with the UNECE on the ***Best Practices Guidance for Effective Methane Drainage and Use in Coal Mines***
 - Document developed by panel of international technical experts; underwent two rounds of peer review.
 - Published in spring 2010 in electronic and hard copy. Also available via free download from UNECE website and hard copies in UN bookstores (English, French, Russian, Chinese).
 - UNECE will hold series of workshops to disseminate the Best Practices findings in China, Ukraine, and Kazakhstan.
 - *US EPA supported development and publication of technical document and workshops in China, and planned in Ukraine, Kazakhstan.*



U.S. Activities Update (*continued*)

- Updated ***Global Overview of Coal Mine Methane Opportunities***
 - Newly updated and revised (October 2010).
 - Profiles of 37 coal producing countries globally, including their current activities and potential for coal mine methane projects.
- International **CMM Projects Database**
 - Updated, revised information for 309 projects in 16 countries (September 2010)
 - User-friendly features allow searching and exporting data
 - Project information can be updated or added to database by global CMM community
 - New features added in 2010:
 - Greenhouse gas emissions reduction calculator
 - Default emission reduction values provided where project-specific data are limited



U.S. Activities Update (*continued*)

- International activities supported:
 - Capacity building activities in China, India, Mongolia, Poland and Ukraine
 - Efforts will continue in 2011
 - Pre-feasibility studies, technology demonstrations and assessments completed or underway in China, Mongolia, Poland, Ukraine
 - Have awarded 17 grants since 2007
 - Will award several new grants in 2011, to be announced soon.



U.S. Activities Update: Country-Specific Highlights

- China
 - US EPA has conducted 5 full-scale CMM project feasibility assessments
 - Study complete at Songzao mines
 - Based on study, Chongqing Energy Investment Group recently announced plans to build world's largest CMM to LNG facility
 - Studies complete at Liuzhuang and Hebi mines
 - Studies near completion (by December 2010) at Linhua Mine, Guiyang, Guizhou Province and Tai Xi Mines, Inner Mongolia



U.S. Activities Update: Country-Specific Highlights

- India
 - Continued support for CBM / CMM Clearinghouse, hosted by Coal Mine Planning and Design Institute (CMPDI)
 - Hosted a study tour to US CMM and CBM sites in July 2010 for CMPDI
 - Recently generated VAM-specific data for several mines
- Mongolia
 - Completed pre-feasibility study of potential CMM project at closed underground Nailakh mine.
 - Based on study findings, Korean-Mongolian governments are sponsoring core drilling, gas resource assessment underway to evaluate potential CBM or CMM project
 - Sponsored technical workshop on CMM in Mongolia (August 2010) in Ulaanbaatar for Mongolian government, coal industry officials



U.S. Activities Update: Country-Specific Highlights

- Ukraine
 - Held successful CMM Investment Forum in Donetsk in May 2010
 - Developed 4 new coal mine profiles for *The Handbook*
 - Potential candidates for pre-feasibility studies
 - Assisted policymakers with development of its strategy on CMM promotion and implementation of new CMM Law
 - *Plan for continued support in 2011*



Key Domestic Activities in the U.S.

- U.S. EPA finalized requirements for reporting of greenhouse gas emissions from key sources
 - Gassy underground coal mines required to report, with monitoring beginning 1 January 2011, and reporting beginning March 2012
 - Reporting of ventilation air methane emissions, drained gas emissions
 - Will help make U.S. emissions inventory more accurate



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