Best Practice Guidance for Effective Methane Drainage & Use in Coal Mines

Status Report on Update to Ver 2.0

Clark Talkington and David Creedy
Group of Experts on Coal Mine Methane

9th Session of the Group of Experts on Coal Mine Methane
Geneva, Switzerland
23 October 2014
Background

July 2008  BPG concept agreed by UNECE Secretariat, Bureau of the Ad Hoc Group of Experts and Methane to Markets Partnership (predecessor to GMI)

Oct 2008  GoE agreed to proceed with drafting BPG and created a structured approach with a Steering Committee, Drafting Committee, Technical Peer Review and a Stakeholder Advisory Group

March 2010  BPG completed and published as UN document. Released at 2010 Methane Expo in India.

July 2011  ECOSOC issued Decision 2011/222 recommending worldwide use of the BPG

Nov 2013  GoE agreed to update BPG and established a Task Force to manage the project.
BPG Revision Task Force

- Task Force established at 8\textsuperscript{th} Session of the GoE (Nov 2013)
  - Clark Talkington (Chair)
  - Felicia Ruiz
  - Jacek Skiba
Findings of the Task Force

- Version 1.0 of the document will benefit from a thorough review and updating.
- A wholesale restructuring of the document is not necessary. The structure of the document and its purpose, to inform senior decision makers, are sound.
- The drafting and review process for Version 2.0 of the BPG should be more streamlined than Version 1.0.
- A separate Technical Peer Review will depend on the extent of changes.
Technical Drafting Team for Revisions

- David Creedy, Chair
- Michael Cote
- Ozgen Karacan
- Ray Pilcher
- Hua Guo (invited contributor)
Process

8/14 – 10/14 Drafting Team reviews doc and prepares proposed edits to BPG
11/14 – 12/14 Team compiles edits and prepares Draft ver 2.0 for review with Steering Cmte
01/15 Team revises draft based on input from Steering Cmte (draft released for Tech Peer Review if agreed).
02/15 Revised draft released to the GoE for comment
03/15 GoE review and comment
04/15 – 05/15 BPG ver 2.0 finalized
06/15 - 09/15 BPG ver 2.0 in UN publishing process
10/15 BPG ver 2.0 released at International Methane Forum
## Summary of Edits

<table>
<thead>
<tr>
<th>Chapter</th>
<th>Sub section</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foreword</td>
<td></td>
<td>Update</td>
</tr>
<tr>
<td>Exec summary</td>
<td></td>
<td>Minor edits, update GWP CH4 and IPCC ref (throughout document)</td>
</tr>
</tbody>
</table>
| 1       | Table 1.1   | Update table 1.1  
Number of CMM projects  
M2M to GMI (throughout document) |
| 2       | 2.3         | Expand on risk management and ref EU OSH standard  
Enforcement – negative aspects of blame culture |
| 3       |             | Minor edits as required  
Add section on gas flows from surface mines |
| 4       |             | Some Fig attributions to update (and throughout doc) |
| 5       |             | Minor edits as required |
| 6       | Fig 6.2     | Update  
New section on ghg mitigation, gas capture and use in surface coal mines  
Edit carbon credit paras  
Check and add any new technology developments |
| 6       | 6.3         |         |
| 7       | Table 7.1   | Update costs  
Minor typos  
Major revision required  
Major revision required |
<p>| 7       | 7.3         |         |
| 7       | 7.4         |         |
| 7       | 7.5         |         |
| 8       |             | Review IEA forecasts paragraph |</p>
<table>
<thead>
<tr>
<th>Revised case study 5</th>
<th>Updated NZME study of Duerping, Tunlan and Malan coal mine CMM projects; raising quality of gas for safe use</th>
<th>China</th>
</tr>
</thead>
<tbody>
<tr>
<td>Review 6 /7</td>
<td>VAM mitigation and use</td>
<td>China-Australia</td>
</tr>
<tr>
<td>New case study 8</td>
<td>Upper Big Branch mine disaster- lessons USA</td>
<td>USA</td>
</tr>
<tr>
<td>New case study 9</td>
<td>Pike River mine disaster – lessons NZ</td>
<td>New Zealand</td>
</tr>
<tr>
<td>New case study 10</td>
<td>Gas capture and use at a surface coal mine site</td>
<td>USA, Indonesia, Mongolia</td>
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<td>Others (max 5?)</td>
<td>Additional success studies with positive messages (gas drainage, optimisation of gas capture, VAM, mine closure for AMM extraction and use…..)</td>
<td>tba</td>
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</tbody>
</table>
Proposed case study template

- Brief description of the case/project/event
- Main principles demonstrated and issues encountered
- Lessons learned
- Changes that resulted (regulatory, institutional, work practices....)
- Conclusions
- Graphics – location map, figures and diagrams as appropriate
- Case study length - 4 pages maximum
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