

**Minutes of the WGL meeting
 Tuesday November 4, 2008
 In Singapore**

Present:	Derek Greedy (DG), UK, Chair Emmanuel Julienne (EJ), France Didier Rallu (DR), France Anthony Kortegast(AK), New Zealand Bill Debord (BD), USA David Kaminski (DK), USA Amanda Singleton (AS), USA James Law (JL), USA Bryce Lloyd (BL), Hong Kong Gunay Kocasoy (GK), Turkey Antonis Mavrapoulos (AM), Greece Andjelka Mihajlov (AMi), Serbia Helena Bergman (HB), ISWA General Secretariat Diana de Bastos (DB), ISWA General Secretariat
Apologies	Gabriel Dennison Bjorn Halldórsson Luís Marinheiro Jan Thrane (JT), Denmark, Vice-Chair

1. Welcome

The WG chair welcomed the participants and all of the attendees gave a brief presentation of themselves.

2. Approval of agenda

The agenda was approved with some additions made by DG to include a discussion on a possible cooperation with the Methane to Markets Initiative.

3. Approval of last meetings minute

It was confirmed that the minutes had been sent out. There were no comments received on the minutes and the minutes were approved.

4. Information from GS and STC

DB informed the members that the General Secretariat has set up the transitional office in Vienna and will move to a permanent office in January 2010.

DB reported on events, workshops and conferences that had taken place in the past year and the ones that are being scheduled to take place in 2009.

HB added that there had been several decisions taken during the General Assembly in Singapore, these included:

- Atilio Savino is the new ISWA president;
- Jeff Cooper has taken the place of the new ISWA vice president;
- Antonis Mavrapoulos was appointed the new chair for the ISWA Scientific and Technical Committee (STC);
- Helmut Stadler was appointed as the new Vice Chair of the STC;
- Helmut Stadler was appointed as the new ISWA treasurer;

GV informed the WG regarding the updates on the Greenhouse Gas Task Force (TF) and that two workshops will be held in the upcoming months, leading to the COP 15 in November 2009 in Copenhagen. The first workshop will take place in February in Copenhagen and an external workshop organized by ISWA will be held in Paris in May.

To allow further participation and input from the several WG members that were not present at the first TF workshop the papers produced at that event will be circulated among WG members for comments.

AM inquired if there would be funds allocated for discussions on possible solutions focusing on climate change adaptation. GV explained that the focus was currently set on obtaining carbon credits from landfilling, so the priority at this point was mitigation and not adaptation.

5. Workshop Feedback

DG informed the WG that the workshop “From open dumps to landfills” that had taken place earlier in Singapore, had received very positive feedback and that attendees expressed the wish for similar workshops at future events. It was also very encouraging to note that some of the participants had come only to attend the workshop and had not come for the conference.

Regarding developments on delivering training in Morocco, HB informed the WG chair that there had been no further contact and that this did not appear to be an opportunity for the near future.

HB had to leave the meeting early due to other commitments and the WG chair thanked her for all her work and commitment to the WG in the past years.

6. Potential collaboration with M2M

The WG Chair informed attendees that he had attended a meeting organized by M2M and had seen potential opportunities for a possible collaboration. He then requested the M2M representative AS to provide a brief description of the M2M initiative and what they are currently focusing on. One of the main objectives of the initiative is to develop a database with information on landfills worldwide, to assist potential developers in searching for suitable landfills for landfill gas to energy projects. The criteria used for adding landfills to the database

were discussed and information forms were circulated among the WG. There was a brief discussion on the link between M2M and the US government and if ISWA would be supporting a political organization if there was cooperation between the M2M initiative and the WG. AS explained that although M2M has received funds from the US EPA it is an independent organization and is not linked to the US government.

AK offered to gather data on landfills in New Zealand if it would be of interest. The WG chair explained that gathering information on landfills had once been considered a prospective project to be developed by the WG, hence a cooperation with M2M would be valuable for both parties.

7. Up-date of Landfill Operational Guidelines

AK updated the WG on the work that has been done on the OGs. Most chapters have been delivered by the authors for editing and there is only one chapter missing, which AK will find a volunteer to draft in the next months. AK added that the chapters that have been produced are of good quality even if the drafting was very variable.

It was suggested that links to other documents be added to each chapter to make them more complete and provide readers with sources for more detailed and technical documents. DG recommended adding a brief introduction to each chapter explaining that these documents are general guidelines and do not offer technical detail, as well as providing a reference of the target audience.

To finalize the OGs, the edited version of each chapter will be resent to the respective author for a final review. The chapters will also be posted on the online forum for Working Group members to add comments or suggestions. The reviewed versions will all be sent to DB by December, when she will send them to AK for a final review. The deadline for a final version to be prepared and available was set to be spring of 2009.

There were discussions on how to distribute the OGs. Most of the WG members agreed that they should be made available as a locked pdf on the ISWA website and would be downloaded with no cost. It was also noted that marketing and visibility need to be taken into account when the OGs are finished and ready for distribution. A statement should also be added to the website highlighting that the targeted audience for the OGs are developing countries. It was also suggested that the OGs be used for training under the M2M initiative.

DG thanked AK and all the other authors for their participation and contribution to the OGs which he considered were a very valuable contribution to Waste Management worldwide.

b. Status of key issue papers

Key issue papers have been approved by the STC and the paper on open dumps was used as the basis for the workshop in Singapore.

c. Possible Training/Participation

i. Morocco

There were no further contacts from Morocco.

ii. Nigeria – 21-22 April 2009

The training in Nigeria has been scheduled to take place during 21-22 April 2009. There is also to be a conference taking place at the same time and it might be useful if ISWA were to be represented. Volunteers were requested for training in Nigeria and DK and BD both offered their assistance.

AM interrupted the meeting to request the WG to view the possibility of holding a workshop at the next ISWA congress in Lisbon, and if the content could be focused on “Sustainable landfilling”. DG thought this will be possible.

8. Country reports

UK: DG presented a country report for the UK, which focused on the 4 yearly review of the hydrogeological risk assessments for landfills. Due to remodelling of hydrogeological barriers by updated models there is some concern that many landfills may end up not complying with what is set in the groundwater directive for protection of groundwater. Additionally, compliance with the landfill directive may also be at risk for many UK landfills due to misinterpretation of the engineering requirements set for geological barriers.

France: In France the focus is now on the registration of new chemical products in landfills. All new products need to be registered before 2009 and registration is very expensive if done after the set deadline.

USA: DK explained that the trend in the USA is moving towards leachate recirculation in landfills. Leachate recirculation provides the same benefits as bioreactors and eliminates the need for leachate treatment. It was noted that in the UK leachate recirculation is not permitted, but in France if the leachate that is intended for recirculation was produced in the same landfill there are no impediments. WD questioned if the temperature rise that accompanies leachate recirculation is not an issue for liner integrity, DK noted that there has been some discussion on this issue and that the conclusions appear to indicate that it is not a problem. But one of the factors that does have to be taken into account with leachate recirculation is the increase in biogas generated and consequently the existence of a gas collection system that can handle increases in volume of biogas.

9. Date and venue for next WG meetings

a. Spring/Summer 2009 – France

DR will look into the possibility to arrange a meeting in Paris during the 18 – 19 of May.

b. Autumn – Lisbon

There will be a WG meeting in conjunction with the ISWA congress set for the 12-14 of October in Lisbon.

The WG chair informed that he had had an invitation to participate in a conference in Australia in August 2009. This would be a good opportunity to meet with the WG of the WMAA, ISWA's national member in Australia and possibly hold a joint WG meeting to encourage the debate between the two groups. The conference will take place in Hobart, Tasmania and more details will be sent as the date for that event approaches.

10. Other matters or business

DR informed the WG that he had been present at a conference in the UK focusing on energy and waste recovery from landfills and he questioned if anyone was familiar with mining of waste from landfills. DK noted that there had been a paper presented at a SWANA conference that focused on a pilot program of mining in a landfill in Florida and that he would forward the paper to DR. In Korea the presence of potentially toxic materials and the odour control issues that mining can lead has also been discussed in a paper. Additionally DG noted that there was also a mining project in Beirut that had been documented and was available on the internet.

11. Adjourn

The Chair thanked all the participants for their participation and contributions in the meeting.

Drafted by Diana de Bastos on 12th November, 2008

Approved by Chair Derek Greedy on 19th November, 2008

Action	
Review of Operational Guidelines by authors	Comments prior to Dec 15
Final review of Operational Guidelines by AK	Final version by April 31