

Interactive comment on “Mercury air-borne emissions from 5 municipal solid waste landfills in Guiyang and Wuhan, China” by Z. G. Li et al.

Anonymous Referee #1

Received and published: 2 March 2010

The manuscript presents data on Hg surface-air fluxes and speciation of Hg emissions from waste sites. This is an area poorly studied, especially in China and other countries where large amounts of Hg are still used in products and processes. This in combination with no or inadequate Hg recovery of Hg from disposed products and other wastes results in large amounts of Hg left in waste. The fate of this Hg needs attention to protect the environment and human health. The manuscript serves an important purpose by indicating the comparatively large amounts of dimethyl Hg emitted with landfill gas emissions. To reduce the hazards related to this, the authors suggest to burn the landfill gas, which may be possible at certain places, e.g. vent shafts, but not at other places. In order to reduce the overall Hg emissions from Chinese landfill sites, more stringent regulations on Hg in products and processes are needed in China. The English is reasonable now with just a few grammatical errors left.

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Interactive comment on Atmos. Chem. Phys. Discuss., 10, 1383, 2010.

ACPD

10, C316–C317, 2010

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