

Interactive comment on “Mercury emissions of a coal fired power plant in Germany” by Andreas Weigelt et al.

Anonymous Referee #3

Received and published: 11 September 2016

General comments: This MS conduct an very interesting study of multiple air pollutants, including Hg, SO₂, CO₂, CO, NO_x emissions through the onboard aircraft measurement in the plume downwind a large coal-fired power plant in Germany, and calculated the emission ratios of Hg versus different air pollutants, and the GOM percentage in the plume. Generally, the work provides a lot of information of the multiple air pollutants emissions. Based on the emission ratios, one can calculate one pollutant emission through the other emissions, these make the pollutant estimation much easier.

Specific comments: (1)Since the air pollutant emissions from the coal fired power plant is largely depended on the boiler type, coal property, and the air pollutant control devices (APCDs), so, the result form one plant maybe differs from the others. Hence, please supplement the information about some basic aspects about the studied power plant, especially the coal property such as the proximate and ultimate analysis (if pos-

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sible), the configuration of APCDs for NOx, PM and SO2 control.

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Interactive comment on *Atmos. Chem. Phys. Discuss.*, doi:10.5194/acp-2016-376, 2016.

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