

Interactive comment on “Air–surface exchange of gaseous mercury over permafrost soil: an investigation at a high-altitude (4700 m a.s.l.) and remote site in the central Qinghai-Tibet Plateau” by Zhijia Ci et al.

Anonymous Referee #3

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This manuscript investigated the mercury emission from permafrost soil in QTP and studied its controlling factors including the rainfall, snowfall, soil temperature and solar radiation. This work is very significant for this region with unique climate condition. I recommend this paper to be accepted. In addition, more studies were needed to explore its mechanism 1. Line 99, please give the specific flushing flow rate. 2. Line 410, low soil temperature is unfavorable for Hg(0) emission, however, how could understand your explanation of low soil temperature favors to absorb Hg(0).

Interactive comment on Atmos. Chem. Phys. Discuss., doi:10.5194/acp-2016-515, 2016.