

Interactive comment on “Emissions databases for polycyclic aromatic compounds in the Canadian Athabasca Oil Sands Region – development using current knowledge and evaluation with passive sampling and air dispersion modelling data” by Xin Qiu et al.

Anonymous Referee #1

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This paper developed two speciated and spatially-resolved emissions databases for polycyclic aromatic compounds (PAC) in the Athabasca oil sands region (AOSR), and compared the two emissions databases with the measurements from a passive air monitoring network. Papers have a high degree of novelty and I recommend to publish after a minor revised. 1. Please delete some basic concepts, concise articles. 2. What are the PAHs in CEMA database and JOSM database, respectively? Are they the same? 3. In Results and Discussion, please describe the same meteorological data in

C1

detail.

Interactive comment on Atmos. Chem. Phys. Discuss., <https://doi.org/10.5194/acp-2017-1091>, 2017.

C2