

***Interactive comment on “Contributions of natural and anthropogenic sources to ambient ammonia in the Athabasca Oil Sands and north-western Canada” by Cynthia Whaley et al.***

**Cynthia Whaley et al.**

[cynthia.whaley@canada.ca](mailto:cynthia.whaley@canada.ca)

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Thank you for your thorough review of our paper. We will be taking into account all of your suggestions, which will greatly improve the manuscript. As part of the interactive ACPD discussion, we would like to address your serious concern about the infinite soil pool of  $\text{NH}_4^+$  early on. Please see the attached pdf document for our full response to reviewer #3's major concern. The rest of our responses to all reviewers will follow at a later time.

Please also note the supplement to this comment:

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<https://www.atmos-chem-phys-discuss.net/acp-2017-627/acp-2017-627-AC1-supplement.pdf>

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Interactive comment on Atmos. Chem. Phys. Discuss., <https://doi.org/10.5194/acp-2017-627>, 2017.

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