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Estimating Oil Sands Emissions using Horizontal Path-Integrated Column Measurements

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Associate Editor decision: Publish subject to technical corrections

by [Reem Hannun](#)

Comments to the author:

A minor comment: It is still unclear whether the error estimation applies to only the tailings ponds emissions or both the tailings pond and the mine pit. If just the former, why are there no estimates for the mine pit?

Non-public comments to the Author:

If you feel it is appropriate, you could consider moving the appendix to a supplement instead.

Author's response:

Thank you for the comments (above) regarding our paper submission.

Section 5.3 describes our approach for a preliminary error estimation which utilized measurements from the Jul-Oct 2019 time period. We have fixed the abstract text by associating the 2.9 metric tons/day error estimate with the Jul-Oct 2019 time period to be consistent with Section 5.3 and the text in the Conclusion Section 6 (line 16). Lastly, section 5.3 (lines 21-22) state our intention to formalize our error analysis and run during each future measurement campaign.

The content currently included in our Appendix A seemed to fit the AMT description for an appendix versus a supplement (<https://www.atmospheric-measurement-techniques.net/submit.html>). If AMT feels this content is better suited for a supplement, we will gladly transfer this content to a supplement. Please advise.