

## ***Interactive comment on “Derivation of Flow Rate and Calibration Method for High-Volume Air Samplers” by Richard Hann and Mark Hermanson***

**Richard Hann and Mark Hermanson**

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The comments from this reviewer show a misunderstanding of the nature of sampler that we discuss in our manuscript. We are not deriving the equations for a PM-10 sampler assumed by the commenter; we do not mention PM-10 sampling anywhere in the manuscript. We are deriving equations for Hi-Vol samplers that do not discriminate on the basis of particle size as PM-10 samplers are designed to do.

We have provided references that the commenter can refer to in order to understand the operation of Hi-Vol samplers. One manufacturers operating manual can be found here: <https://tisch-env.com/wp-content/uploads/2015/07/TE-1000-PUF-Manual.pdf>.

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C1