



IOWA DEPARTMENT OF NATURAL RESOURCES

# Air Quality News

## Environmental Services

Monday, June 27, 2022

## Updated Air Dispersion Modeling Guidance Available

The DNR has updated guidance for modeling stacks and vents as well as a tool used to determine input values for volume sources. Both documents are available under the “Source Characterization Guidance/Tools” tab on the [Dispersion Modeling webpage](#).

The guidance for modeling horizontal and obstructed stacks has been updated to cover all types of stacks and vents. The new guidance does not change how these types of sources should be modeled, but rather includes additional clarification and examples based on questions and comments the DNR has received from applicants and consultants since the last time the guidance was updated.

The Volume Source Tool has been updated (V1.5) to allow the user to choose what units they want in the output. Previously all vertical dimensions were output in feet and horizontal dimensions in meters. The user can now choose between feet or meters. In addition the user can choose between lb/hr and g/s for the emission rate. There are no changes to the calculation methods used.

The PSD Modeling Guidelines, non-PSD Modeling Guidelines, and non-PSD Modeling Checklist have been updated to include references to the new stack and vent guidance and the revised volume source tool. No other changes to these documents have been made.

Please send any questions to Brad Ashton at [Brad.Ashton@dnr.iowa.gov](mailto:Brad.Ashton@dnr.iowa.gov), or by phone at 515-725-9527.

DNR's Air Quality News listserv is targeted to the regulated public and consultants to deliver timely regulatory news, program updates, and technical guidance to your email. If you have difficulty, please contact DNR's Wendy Walker at 515-725-9570.