



520 Lafayette Road North
St. Paul, MN 55155-4194

Availability of Air Quality Technical Report – Particulate Matter Emissions Permitting in Minnesota

General information

The Minnesota Pollution Control Agency (MPCA) is requesting feedback and input on the Air Quality Technical Report *Particulate Matter Emissions Permitting in Minnesota* (Report). The Report is an update to the MPCA’s database of particulate matter (PM) control efficiencies for common types of air pollution control equipment, focusing on PM less than or equal to 2.5 micrometers (PM_{2.5}). The MPCA plans to use the input we receive on the Report to inform a possible future rulemaking to amend the control equipment rules (Minnesota Rules 7011.0060 to 7011.0080).

Please submit your comments by **March 1, 2023**. Information on how to submit comments is provided below. Submitting your comments allows the MPCA to consider your input, information, and issues you may raise related to the Report content and helps to ensure informed decision-making on our part. The MPCA will consider the input received during this informal comment period to determine next steps.

Description of the Report

Part of the MPCA’s air pollution control management program includes drafting and issuing permits restricting emissions into the ambient air of PM, including PM less than or equal to 10 micrometers (PM₁₀) and PM_{2.5}. When a permit applicant wants to include PM control efficiencies in an emission unit’s “potential to emit” calculation, they may use the control equipment rules in Minnesota Rules, chapter 7011 to calculate potential PM and PM₁₀ emissions without further technical justification. However, the control equipment rule does not contain control efficiencies for PM_{2.5}. Applicants must provide additional technical justification for PM_{2.5} control efficiencies.

The MPCA relied on a database that reviewed the typical, minimum, and maximum control efficiencies for PM, PM₁₀, and PM_{2.5} when it adopted the current PM and PM₁₀ control efficiencies in 2007. The MPCA did not include PM_{2.5} control efficiencies because at the time, the underlying dataset was not viewed as robust enough to support rulemaking. Given the additional 15 years of testing and experience with control devices, the MPCA believes that PM_{2.5} control efficiencies could now be included within the control equipment rules. An update of the database (Report) was completed in 2022 to update the MPCA spreadsheet of PM controls, the data sources for the updates, and provides updated control efficiency for PM, PM₁₀, and PM_{2.5} emissions from sources.

The MPCA is inviting review of this database. Based on comments received, the MPCA may pursue further rulemaking to include control efficiencies, as well as monitoring, record keeping and reporting requirements for control devices.

To submit written comments on the Report

Please submit your written comments on the Report by **March 1, 2023**. Comments may be submitted:

- Online at <http://www.pca.state.mn.us/publiccomments>
- By U.S. postal mail to the following address:
Minnesota Pollution Control Agency
Anne Jackson, P.E.
520 Lafayette Road North
St. Paul, MN 55155

An electronic version of the Report is posted with this document on the Public Comments webpage at <https://mpca.commentinput.com/comment/search> under the category type "Report." If you would like a copy of the Report or have any questions on the Report, contact the MPCA contact person listed below.

Note: All comment letters are public documents and will be retained for this Report. Comments received will not necessarily be included in the formal rulemaking record if the MPCA starts a future rulemaking to amend the particulate matter (PM) control and efficiency rules. If the MPCA moves forward with amending the PM rules, we'll send a notification that the MPCA is starting a new rulemaking.

MPCA contact person

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