

CHAPTER 7005
MINNESOTA POLLUTION CONTROL AGENCY
AIR QUALITY DIVISION
DEFINITIONS AND ABBREVIATIONS

7005.0100 DEFINITIONS

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[For text of subps 1 to 9a, see M.R.]

Subp 9b. **Efficiency factor.** "Efficiency factor" means:

A. the control efficiency listed in part 7011.0070, subpart 1, table A;

B. notwithstanding item A, where no control efficiency is listed for a control equipment type in part 7011.0070, subpart 1, table A, or where the commissioner has determined that a more representative control efficiency is available under this item, efficiency factor means a control efficiency developed or approved by the commissioner and derived from the following sources:

(1) EPA publications including, but not limited to, Locating and Estimating documents, Control Technology Center documents, the preamble and background information documents for New Source Performance Standards or National Emission Standards for Hazardous Air Pollutants and Compilation of Air Pollutant Emission Factors (AP-42), United States Environmental Protection Agency, Office of Air Quality Planning and Standards, Research Triangle Park, North Carolina 27711, July 1993, which is incorporated by reference and is available through the State Law Library. This publication is subject to frequent change;

(2) EPA databases and computer programs;

(3) engineering publications;

(4) performance test data from the same or a similar unit at the same or a similar facility; or

(5) manufacturer's performance tests.

C. The commissioner shall develop or approve an efficiency factor under item B using best engineering judgment and based on one or more of the following considerations:

(1) the precision and accuracy of the data,

(2) the similarity between the control equipment and emission units tested and the control equipment and emission units to which the efficiency factor is to be applied,

(3) the number of units tested in developing the efficiency factor under consideration,

(4) the availability of data of equal or greater quality;

(5) the control equipment and emission unit operating conditions under which the tests were conducted; and

(6) the data analysis procedures.

[For text of subp 10, see M.R.]

Subp. 10a. **Emission factor.** "Emission factor" means the most accurate and representative emission data available from one of the following sources:

A. For criteria pollutants, the emission factor listed in the Compilation of Air Pollutant Emission Factors (AP-42), fourth edition, United States Environmental Protection Agency, Technical Support Division, Office of Air Quality Planning and Standards, Research Triangle Park, North Carolina 27711, March 1990, which is incorporated by reference and is available at the Minnesota state law library and through the Minitex interlibrary loan system. It is not subject to frequent change.

B. For hazardous air pollutants (HAPs), the emission factor listed in Factor Information Retrieval (FIRE) Data System, EPA-454/C-94-032, United States Environmental Protection Agency, Technical Support Division, Office of Air Quality Planning and Stan-

dards, Research Triangle Park, North Carolina 27111, October 1994, which is incorporated by reference and is available through the Minitex interlibrary loan system. Where more than one emission factor is listed, emission factor means the one approved by the commissioner using best engineering judgment and based on one or more of the considerations in item C, subitem (2). It is not subject to frequent change.

C. (1) Where no emission factor is available in one of the documents described in item A or B, or where the agency has determined that a more representative emission factor is available under this item, emission factor means an emission factor developed or approved by the commissioner and derived from the following sources:

(a) the AIRS Facility Subsystem Source Classification Codes and Emission Factor Listing for Criteria Air Pollutants, EPA, 450/4-90-003, United States Environmental Protection Agency, Technical Support Division, Office of Air Quality Planning and Standards, Research Triangle Park, North Carolina 27711, March 1990, which is incorporated by reference and is available at the Minnesota state law library and through the Minitex interlibrary loan system; it is not subject to frequent change;

(b) other EPA publications including, but not limited to, Locating and Estimating documents, Control Technology Center documents, the preamble and background information documents for New Source Performance Standards or National Emission Standards for Hazardous Air Pollutants;

(c) EPA databases and computer programs;

(d) engineering publications;

(e) performance test data from the same or a similar emission unit at the same or a similar facility;

(f) manufacturer's performance tests; or

(g) emission data developed by the regulated party using the best engineering judgment criteria listed in subitem (2).

(2) The commissioner shall develop or approve an emission factor using best engineering judgment and based on one or more of the following considerations:

(a) the precision and accuracy of the data;

(b) the design and operational similarity between the emission units tested and the emission units to which the emission factor is to be applied;

(c) the number of emission units tested in developing the emission factor under consideration;

(d) the availability of emission data of equal or greater quality;

(e) the emission unit operating conditions under which the tests were conducted; and

(f) the data analysis procedures.

[For text of subp 10b, see M.R.]

Subp. 10c. [Repealed, 21 SR 165]

Subp. 10d. [Repealed, 20 SR 2316; 21 SR 165]

[For text of subps 11 to 25, see M.R.]

Subp. 25a. **National Emission Standard for Hazardous Air Pollutants.** "National Emission Standard for Hazardous Air Pollutants" means a standard promulgated by the administrator of the United States Environmental Protection Agency under the Clean Air Act, United States Code, title 42, section 7412, as amended, including standards still in effect pursuant to the savings clause that was enacted by the 1990 Clean Air Act amendments and codified at United States Code, title 42, section 7412(q).

[For text of subps 25b to 45, see M.R.]

Statutory Authority: *MS s 116.07*

History: 20 SR 2316; 20 SR 2254(NO. 42), 21 SR 165