

CHAPTER 7019
MINNESOTA POLLUTION CONTROL AGENCY
EMISSION INVENTORY REQUIREMENTS

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7019.3000 EMISSION INVENTORY.

Subpart 1. Emission inventory required.

A. All owners or operators of emission reporting facilities, as defined in part 7002 0015, subpart 3a, shall submit an annual emission inventory report to the agency, in a format specified by the commissioner, relating to ammonia, carbon monoxide, particulate matter, and all chargeable pollutants as defined in part 7002.0015, subpart 2a. The report shall be submitted on or before April 1 of the year following the year being reported. The responsible official, as defined in part 7007 0100, subpart 21, must sign the report and shall make the following certification

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision by qualified personnel. The information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I understand that the data provided in this document will be used by the MPCA to calculate a fee, which the facility will be required to pay under Minnesota Rules, part 7002.0065, based on the tons of pollution emitted by the facility "

[For text of item B, see M R.]

[For text of subp 2, see M R]

Statutory Authority: *MS s 116 07*

History: *32 SR 904*

7019.3020 CALCULATION OF ACTUAL EMISSIONS FOR EMISSION INVENTORY.

A Emissions from all emissions units shall be reported in the annual emissions inventory report in a format specified by the commissioner. Emissions from insignificant activities listed in part 7007.1300, subpart 2, shall not be reported. Emissions from insignificant activities listed in part 7007.1300, subparts 3 and 4, and conditionally insignificant activities listed in part 7008 4000 shall be reported if the commissioner or owner or operator has determined that emissions from those activities are not insignificant for purposes of permitting under parts 7007.0100 to 7007 1850 or for those activities required to be quantified by a facility issued a capped permit option 1. Notwithstanding the previous sentence, the commissioner may request an inventory of fugitive emissions from roads and parking lots, defined as insignificant under part 7007.1300, subpart 3, item J, upon determining that emissions from these sources represent a substantial portion of the facility's total emissions

[For text of items B and C, see M.R.]

D All owners or operators of emission reporting facilities which have obtained an air emission permit under part 7007.1130, registration permit option D, shall report the actual emissions calculated for purposes of compliance demonstration required in part 7007.1130, subpart 3, item E, for the calendar year for which emissions are being reported in a format specified by the commissioner.

[For text of E to G, see M.R.]

Statutory Authority: *MS s 116 07*

History: *32 SR 904*

7019.3030 METHOD OF CALCULATION.

A The owner or operator of an emission reporting facility, except one issued an option C or D registration permit under part 7007 1125 or 7007 1130 or a capped permit under parts 7007.1140 to 7007.1148, shall calculate the facility's actual emissions using the methods listed in subitems (1) to (4). The methods are listed in a hierarchy of the most preferred method to the least preferred method. The most preferred method available shall be used. Where more than one method is listed in the subitem, they are considered to be equal in the hierarchy and any can be used:

- (1) part 7019 3040 (continuous emission monitor data),
- (2) part 7019.3050, item B (performance test data);
- (3) part 7019 3060 (VOC material balance, 7019 3070 (SO₂ material balance), 7019 3080 (emission factor), or 7019 3090 (enforceable limitations), as applicable, or
- (4) part 7019.3100 (facility proposal)

B The owner or operator of a facility issued an option B registration permit under part 7007.1120 that chooses to be assessed a fee under part 7002 0025, subpart 1, item C, subitem (1), shall calculate the facility's actual emissions using the methods listed in part 7019 3060.

The owner or operator of a facility issued an option B registration permit under part 7007 1120 that chooses to be assessed a fee under part 7002 0025, subpart 1, item C, subitem (1), shall not consider the effects of pollution control equipment on emissions from the use of VOC-containing materials when calculating actual emissions for an emissions inventory.

[For text of item C, see M R]

Statutory Authority: *MS s 116 07*

History: *32 SR 904*

7019.3050 PERFORMANCE TEST DATA.

A If an emission reporting facility has collected representative emission data through the use of performance tests in compliance with the preconditions in items B and C, and if CEM data under part 7019 3040 is not available, the facility shall calculate its emissions based on performance tests. If the emission data is unrepresentative because fuel or material feed used under the test conditions is substantially different than the conditions under which the emissions unit is normally operated or because the emissions unit has been modified, the facility shall calculate its emissions based on the next highest available method. Emissions unit operating load variation from test load does not make the data unrepresentative. In the event that the facility has collected emission data through the use of performance tests and determines that the data is unrepresentative for any reason, the facility shall submit an explanation of why the data is unrepresentative with the emissions calculated using the next highest available method. The commissioner shall determine if the conditions of the performance test were representative based upon the operating data supplied by the facility for the year of the inventory.

B All the requirements of parts 7017 2001 to 7017 2060, including the requirement to notify the commissioner prior to conducting performance tests as required in part 7017.2030, subpart 1, all other applicable state and federal laws, and all applicable air emission permit conditions relating to performance testing have been complied with.

C: For facilities that are required to conduct annual performance testing, the test was performed during the calendar year for which the emissions are being calculated. If the commissioner granted the facility an extension to a testing deadline that resulted in the test being performed after the calendar year but prior to the emissions inventory submittal deadline, the data from that test may be used. For facilities that are not required to conduct annual performance testing, the emission factors used are derived from the most recently

conducted performance test. Unless required under item D, performance test data may not be more than ten years older than the last date of the emission inventory period and must be representative of operating conditions during the calendar year for which the emission inventory is being submitted

D If the most recently conducted performance test data is more than ten years older than the last date of the emission inventory period, then the emission factor derived from the performance test shall be used if it results in higher calculated emissions than any default emission factor allowed under part 7019 3060, 7019 3070, or 7019 3080, as applicable, unless an alternative factor is approved by the commissioner under part 7019 3100 (facility proposal) or unless continuous emission monitor data that satisfies the conditions of part 7019 3040 is available. The performance test data must be representative of operating conditions during the calendar year for which the emission inventory is being submitted.

Statutory Authority: *MS s 116 07*

History: *32 SR 904*

7019.3080 EMISSION FACTORS.

If the methods in parts 7019 3040 and 7019.3050 are unavailable to an emission reporting facility or a facility issued an option B registration permit under part 7007 1120 that chooses to be assessed a fee under part 7002 0025, subpart 1, item C, subitem (1), the facility may calculate its emissions using emission factors as defined in part 7005.0100, subpart 10a, and as described in this part. This method may be used in conjunction with or instead of material balance and enforceable limitations methods described in parts 7019 3060, 7019 3070, and 7019 3090, where applicable. Calculations of actual emissions shall be based on operating data multiplied by an emission factor. Operating data necessary to apply the emission factor used in the calculation of emissions in this method shall be included in the emission inventory. Operating data means the data necessary to apply the emission factor to calculate emissions. For example, tons of material handled is the necessary operating data for an emissions factor expressed as "tons of pollutant/ton of material handled."

Control equipment efficiency shall be based on efficiency factors as defined in part 7005 0100, subpart 9b, or shall be based on the efficiency verified by a performance test conducted according to parts 7017 2001 to 7017.2060 and 7019 3050. Calculations of actual emissions from an emission unit through a pollution control system that uses a hood, as defined in part 7011 0060, subpart 2, as the emission capture device shall be based on a capture efficiency of 80 percent. If an alternative capture efficiency has been determined by a performance test conducted according to parts 7017 2001 to 7017 2060 and 7019 3050, that capture efficiency shall be used in the calculation of actual emissions.

Statutory Authority: *MS s 116 07*

History: *32 SR 904*