

Office of the Revisor of Statutes

Administrative Rules



TITLE: Adopted Permanent Rules Relating to Exempt Sources and Conditionally Insignificant Activities

AGENCY: Pollution Control Agency

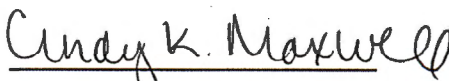
REVISOR ID: R-4429

MINNESOTA RULES: Chapters 7005, 7007, 7008, 7011, and 7019

Part 7008.2600: Insignificant Facility PTE electronic spreadsheet is available on the agency's Website at <https://www.pca.state.mn.us/regulations/minnesota-rulemaking>.



The attached rules are approved for
filing with the Secretary of State


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191198

1.1 **Pollution Control Agency**1.2 **Adopted Permanent Rules Relating to Exempt Sources and Conditionally Insignificant**
1.3 **Activities**1.4 **7005.0100 DEFINITIONS.**1.5 *[For text of subps 1 to 4e, see M.R.]*

1.6 Subp. 4f. **Conditionally exempt stationary source.** "Conditionally exempt stationary
1.7 source" means a stationary source listed in parts 7008.2100 to 7008.2600 that complies with
1.8 chapter 7008 and all applicable requirements as defined in part 7007.0100, subpart 7, and
1.9 is not part of another stationary source.

1.10 *[For text of subps 4g to 11e, see M.R.]*

1.11 Subp. 11f. **Gasoline service station.** "Gasoline service station" means any stationary
1.12 source that dispenses gasoline to vehicles. Bulk plants, petroleum distribution terminals,
1.13 and refineries are not gasoline service stations. [Renumbered from part 7008.0100, subpart
1.14 2.]

1.15 Subp. 11g. **Hood.** "Hood" has the meaning given in part 7011.0060, subpart 3e.1.16 *[For text of subps 12 to 45 44, see M.R.]*

1.17 Subp. 44a. **Total enclosure.** "Total enclosure" has the meaning given in part
1.18 7011.0060, subpart 5.

1.19 *[For text of subp 45, see M.R.]*1.20 **7007.0300 SOURCES NOT REQUIRED TO OBTAIN A PERMIT.**

1.21 Subpart 1. **No permit required.** The owners and operators of the following stationary
1.22 sources are not required to obtain a permit under parts 7007.0100 to 7007.1850:

1.23 *[For text of items A to C, see M.R.]*

1.24 D. a conditionally exempt stationary source under chapter 7008; and.

2.1 E. notwithstanding parts 7007.0200 and 7007.0250, any stationary source that
2.2 would be covered by a permit solely because it is subject to one or more new source
2.3 performance standards under Code of Federal Regulations, title 40, part 60, and that is
2.4 subject only to the notification and record-keeping provisions of the applicable standards.

2.5 Subp. 2. [Repealed, 21 SR 165]

2.6 **7007.0400 PERMIT REISSUANCE APPLICATIONS AFTER TRANSITION; NEW**
2.7 **SOURCE AND PERMIT AMENDMENT APPLICATIONS; TOTAL FACILITY**
2.8 **APPLICATIONS FOR SOURCES NEWLY SUBJECT TO A PART 70 OR STATE**
2.9 **PERMIT TOTAL FACILITY REQUIREMENT.**

2.10 *[For text of subp 1, see M.R.]*

2.11 Subp. 2. **Permit reissuance after transition period.** Stationary sources operating
2.12 under permits issued by the agency under parts 7007.0100 to 7007.1850 must apply for
2.13 permit reissuance at least 180 days before the expiration of the existing permit, unless the
2.14 permit specifies that the application must be submitted sooner. The agency must require in
2.15 a permit that a reissuance application be submitted sooner if the agency determines that an
2.16 earlier application is needed to minimize the possibility of expiration before reissuance.
2.17 The agency may make this determination if it anticipates a relatively lengthy permit review
2.18 process due to the complexity of the stationary source or anticipated involvement of the
2.19 public. In no event shall the permit require application for reissuance sooner than 18 months
2.20 before the permit expires.

2.21 *[For text of subps 3 to 5, see M.R.]*

2.22 **7007.0850 PERMIT APPLICATION NOTICE AND COMMENT.**

2.23 *[For text of subp 1, see M.R.]*

3.1 **Subp. 2. Public notice and comment.**

3.2 A. The agency must comply with the following procedures before issuing,
3.3 reissuing, or making a major amendment to any part 70 permit.

3.4 (1) The agency must give notice:

3.5 (a) by electronically posting the notice for the duration of the comment
3.6 period on the agency's Web site for public notices;

3.7 *[For text of units (b) and (c), see M.R.]*

3.8 (d) by other means if necessary to ensure adequate notice to the affected
3.9 public.

3.10 (2) The notice must include, at a minimum:

3.11 (a) the name and location of the facility to be permitted;

3.12 (b) the name and address of the permittee;

3.13 (c) the name and address of the agency;

3.14 (d) the activity or activities involved in the permit action;

3.15 (e) the emissions change involved in any permit amendment;

3.16 (f) a copy of the draft permit;

3.17 (g) a statement of whether the facility has filed a pollution prevention
3.18 progress report to the commissioner as required by Minnesota Statutes, section 115D.08;

3.19 (h) the name, address, and telephone number of a person; e-mail address
3.20 of a person; or Web site address from which interested persons may obtain additional
3.21 information, including copies of the permit draft, the application, all relevant supporting
3.22 materials, and all other materials available to the agency that are relevant to the permit
3.23 decision;

4.1 (i) a brief description of the comment procedures required by this part;
4.2 and

4.3 (j) the time and place of any meeting or hearing that may be held,
4.4 including a statement of procedures to request a meeting or hearing under subpart 3, unless
4.5 a meeting or hearing has already been scheduled.

4.6 (3) The agency must provide at least 30 days for public comment and must
4.7 give notice of any public informational meeting or contested case hearing at least 30 days
4.8 in advance of the meeting or hearing. Part 7001.0110 applies to public comments received
4.9 under this part.

4.10 (4) The agency must keep a record of the commenters and also of the issues
4.11 raised during the public participation process, so that the administrator can determine whether
4.12 a citizen petition may be granted. The records must be available to the public.

4.13 B. Before issuing or reissuing a state permit, the agency must comply with the
4.14 procedures in item A, subitems (1) to (3). This item also applies to any major amendment
4.15 to a state permit described in part 7007.1500, subpart 1, items C and D, if authorized or
4.16 required by the administrator.

4.17 C. If the agency determines that a proposed major amendment to a state permit
4.18 not described in item B involves issues that generate or are likely to generate significant
4.19 material adverse comment from the public, based on previous adverse public comment on
4.20 the proposed amendment or related issues, the agency must comply with the procedures of
4.21 item A, subitems (1) to (3), before issuing the amendment.

4.22 D. (1) If the agency determines that a proposed minor or moderate amendment
4.23 to a permit involves issues that generate or are likely to generate significant material adverse
4.24 comment from the public, based on previous adverse public comment on the proposed

5.1 amendment or related issues, the agency must comply with the procedures of item A,
5.2 subitems (1) to (3), before issuing the amendment.

5.3 (2) A proposed minor permit amendment may be made subject to the public
5.4 notice and comment procedures only if the agency notifies the permittee of the agency's
5.5 determination within 15 working days of receiving the minor amendment application. If
5.6 the permittee properly proceeded with a modification under part 7007.1450, subpart 7,
5.7 before receiving the agency's determination, the permittee is not subject to enforcement
5.8 action for proceeding, but must cease construction and operation of the modification within
5.9 a reasonable period. The agency must consult with the permittee on when it is reasonable
5.10 to cease construction and operation. A proposed moderate permit amendment may be made
5.11 subject to the public notice and comment procedures any time before the agency issues a
5.12 letter of approval authorizing construction under part 7007.1450, subpart 7.

5.13 E. The agency must upon request provide a list that summarizes current activities
5.14 involving permit applications, minor, moderate, and major amendment applications, and
5.15 requests for administrative amendments. The agency may use an electronic bulletin board
5.16 in lieu of a written list.

5.17 **Subp. 3. Petitions for meetings and hearings.**

5.18 A. During the public comment period, a person may, in regard to any draft permit
5.19 or amendment subject to public notice under subpart 2, items A to D, petition for:

5.20 (1) a public informational meeting pursuant to parts 7000.0650, subpart 4,
5.21 and 7001.0110, subpart 3; or

5.22 (2) a contested case hearing pursuant to part 7000.1800.

5.23 B. The decision to grant or deny the petition for a public informational meeting
5.24 must be based on the criteria in part 7001.0120, and any meeting held must be in accordance
5.25 with subpart 2 and part 7001.0120. The decision to grant or deny the petition for a contested

6.1 case hearing must be based on the criteria in part 7000.1900, and any hearing held must be
6.2 in accordance with parts 7000.1750 to 7000.2200 and 7001.0130.

6.3 *[For text of subp 4, see M.R.]*

6.4 **7007.1144 CAPPED PERMIT; PUBLIC PARTICIPATION.**

6.5 *[For text of subps 1 to 4, see M.R.]*

6.6 **Subp. 5. Petition for contested case hearing; exemptions.**

6.7 A. During the 30-day comment period, the person may also submit a petition for
6.8 a contested case hearing on the application pursuant to part 7000.1800. The decision to
6.9 grant or deny the petition for a contested case hearing must be based on the criteria in part
6.10 7000.1900, and any hearing must be held according to parts 7000.1750 to 7000.2200.

6.11 B. Item A and subparts 3 and 4 do not apply to applications under part 7007.1142,
6.12 subparts 2 and 5, in which a stationary source is transferring from one capped permit option
6.13 to another or there is a change in name, mailing address, ownership, or control of the
6.14 stationary source.

6.15 **7007.1145 CAPPED PERMIT APPLICATION.**

6.16 *[For text of subp 1, see M.R.]*

6.17 **Subp. 2. Information included.** This subpart describes the standard information that
6.18 is required in a capped permit application. This subpart does not limit the agency's statutory
6.19 authority for requiring information in addition to that which is specifically listed. Applicants
6.20 must submit the following information as required by the standard application form:

6.21 *[For text of items A to C, see M.R.]*

6.22 **D. The following emissions-related information:**

6.23 (1) A permit application shall provide the information required by this part
6.24 for every emissions unit within the stationary source, except as provided otherwise in

7.1 subitems (2) to (9) and information about fugitive emissions in the same manner as stack
7.2 emissions, except that fugitive dust emissions from activities in part 7007.1300, subpart 3,
7.3 item G, must be included in the calculations under this subpart only if the stationary source
7.4 is in a category in part 7007.0200, subpart 2, item B, subitems (1) to (27).

7.5 *[For text of subitems (2) to (9), see M.R.]*

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

7.7 *[For text of subp 3, see M.R.]*

7.8 **7007.1147 CAPPED PERMIT CALCULATION OF ACTUAL EMISSIONS.**

7.9 Subpart 1. **Methods used.** The owner or operator of a stationary source may use a
7.10 calculation worksheet provided by the commissioner for calculating actual emissions under
7.11 this part that is based on the calculation methods in subparts 2 to 6 or may use the calculation
7.12 methods under subparts 2 to 6. The owner or operator must calculate actual emissions for
7.13 each material or fuel used in each emissions unit, except that similar emissions units may
7.14 be aggregated for emission calculation purposes. The owner or operator of a stationary
7.15 source must use the calculation method in subpart 2 if the data described in subpart 2 are
7.16 available for an emissions unit. The owner or operator must use the calculation method in
7.17 subpart 3 if the data described in subpart 3 are available, unless data described in subpart
7.18 2 are available. The alternative methods described in subparts 4, 5, and 6 may be used by
7.19 the owner or operator without advance notification to the commissioner. The commissioner
7.20 must reject data submitted using the methods described in subparts 2 to 6 if the conditions
7.21 set forth for the method are not fully met. To prevent double counting of emissions, the
7.22 owner or operator must select one calculation method under this subpart for each emissions
7.23 unit at the stationary source. Fugitive dust emissions from activities listed in part 7007.1300,
7.24 subpart 3, item G, must be included in the calculations under this subpart only if the stationary
7.25 source is in a category listed in part 7007.0200, subpart 2, item B, subitems (1) to (27).

8.1 *[For text of subps 2 to 6, see M.R.]*

8.2 **7007.1250 INSIGNIFICANT MODIFICATIONS.**

8.3 Subpart 1. **When an insignificant modification can be made.** The permittee may
8.4 make a modification described in either item A or B at a permitted stationary source without
8.5 getting a permit amendment, unless the modification is prohibited by subpart 2. However,
8.6 if the modification triggers new monitoring, record keeping, or reporting requirements under
8.7 applicable requirements or parts 7007.0100 to 7007.1850, the permittee shall initiate an
8.8 administrative amendment under part 7007.1400 to include the new requirements no more
8.9 than 30 days after making the modification.

8.10 A. Construction or operation of any emissions unit, or undertaking any activity,
8.11 that is ~~on the insignificant activities list in part 7007.1300, subparts 2 and 3:~~

8.12 (1) listed as an insignificant activity in part 7007.1300, subpart 2 or 3; or

8.13 (2) a conditionally insignificant activity that complies with parts 7008.4000
8.14 to 7008.4110.

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

8.16 *[For text of ~~subps 1 and~~ subp 2, see M.R.]*

8.17 Subp. 3. **Record-keeping requirements.** Except as described in subpart 4,
8.18 modifications authorized under this part may be made without providing notice to the agency.
8.19 However, the permittee must keep a record of the modification for all changes authorized
8.20 under subpart 1, items A and B, except for those activities described in part 7007.1300,
8.21 subpart 2. For changes authorized under subpart 1, item B, and part 7007.1300, subpart 3,
8.22 item F, the permittee must also keep calculations of the emissions increase as required by
8.23 part 7007.1200, subpart 4, and a statement of the purpose for making the modification.

8.24 *[For text of subps 4 to 6, see M.R.]*

9.1 **7007.1300 INSIGNIFICANT ACTIVITIES LIST.**

9.2 **Subpart 1. Insignificant activities.**

9.3 A. The actions listed in this part, and operation of the emissions units listed in
9.4 this part, are insignificant activities for purposes of parts 7007.0100 to 7007.1850. Listing
9.5 in this part has no effect on any other law, including laws enforced by the agency other than
9.6 parts 7007.0100 to 7007.1850, to which the activity may be subject.

9.7 B. Calculation of emissions from the emissions units listed in this part must be
9.8 provided if required by the agency under part 7007.0500, subpart 2, item C, subitem (2).

9.9 C. Calculation of emissions from the emissions units listed in this part must be
9.10 provided in a permit application if:

9.11 (1) the emissions units are described in subpart 3, item F; or

9.12 (2) the emissions units are described in subpart 4.

9.13 D. The emissions units listed in this part must be listed in a permit application,
9.14 and calculation of emissions from these emissions units must be provided in the permit
9.15 application if the emissions units:

9.16 (1) are subject to additional requirements under section 114(a)(3) (Monitoring
9.17 Requirements) of the act or section 112 (Hazardous Air Pollutants) of the act;

9.18 (2) are part of a Title I modification; or

9.19 (3) if accounted for, make a stationary source subject to a part 70 permit.

9.20 **Subp. 2. Insignificant activities not required to be listed.** The emissions units
9.21 described in this subpart are not required to be listed in a permit application under part
9.22 7007.0500, subpart 2, item C, subitem (2), except as required under subpart 1, item D.

9.23 A. Fuel use:

10.1 *[For text of subitems (1) and (2), see M.R.]*

10.2 (3) fuel-burning equipment with a heat input capacity less than 19,000 Btu
10.3 per hour, but only if the combined total heat input capacity of all fuel-burning equipment
10.4 at the stationary source with a heat input capacity less than 19,000 Btu per hour is less than
10.5 or equal to a total heat input capacity of 420,000 Btu per hour. For example: Facility A has
10.6 ten fuel-burning emissions units, each with a heat input capacity of 18,000 Btu per hour.
10.7 The ten units are all an insignificant activity under this subitem, because their combined
10.8 heat input capacity is less than a total heat input capacity of 420,000 Btu per hour (i.e., 10
10.9 $\times 18,000 \text{ Btu/hr} = 180,000 \text{ Btu/hr} \leq 420,000 \text{ Btu/hr}$). Facility B has 31 fuel-burning emissions
10.10 units, each with a heat input capacity of 18,000 Btu/hr. None of the 31 units are an
10.11 insignificant activity under this subitem, because their total combined heat input capacity
10.12 is greater than 420,000 Btu per hour (i.e., $31 \times 18,000 \text{ Btu/hr} = 558,000 \text{ Btu/hr} > 420,000$
10.13 Btu/hr).

10.14 B. Plant upkeep:

10.15 (1) routine housekeeping or plant-upkeep activities not associated with primary
10.16 production processes at the stationary source, such as painting buildings, retarring roofs, or
10.17 paving parking lots;

10.18 *[For text of subitems (2) to (4), see M.R.]*

10.19 (5) janitorial activities;

10.20 (6) sampling connections used exclusively to withdraw materials for laboratory
10.21 analysis and testing; and

10.22 (7) use of handheld aerosol spray cans for routine building and equipment
10.23 maintenance.

10.24 C. Fabrication operations:

11.1 (1) equipment used for the inspection of metal products;

11.2 (2) equipment used exclusively for forging, pressing, drawing, spinning, or
11.3 extruding hot or cold metals;

11.4 *[For text of subitems (3) and (4), see M.R.]*

11.5 D. Processing operations:

11.6 *[For text of subitem (1), see M.R.]*

11.7 (2) equipment for washing or drying fabricated glass or metal products, if no
11.8 VOCs are used in the process, and no gas, oil, or solid fuel is burned;

11.9 (3) blast-cleaning operations using suspension of abrasive in water or sponge
11.10 media;

11.11 (4) open tumblers with a batch capacity of 1,000 pounds or less used for
11.12 cleaning or deburring metal products;

11.13 (5) ~~handheld~~ equipment used for buffing, polishing, carving, cutting, drilling,
11.14 machining, routing, sanding, sawing, surface grinding, or turning; ~~and, provided that the~~
11.15 equipment is:

11.16 (a) handheld; or

11.17 (b) infrequently used and not associated with the primary production
11.18 processes at the stationary source; and

11.19 (6) ultraviolet-light curing or disinfection processes.

11.20 E. Storage tanks:

11.21 *[For text of subitems (1) and (2), see M.R.]*

11.22 (3) above- and belowground fuel-oil storage tanks with a combined total
11.23 tankage capacity less than 100,000 gallons;

12.1 (4) gasoline storage tanks with a combined total tankage capacity of less than
12.2 2,000 gallons; and

12.3 (5) storage tanks holding inorganic liquids, including water, except for acids
12.4 that volatilize HAPs and or VOCs.

12.5 *[For text of item F, see M.R.]*

12.6 G. Residential activities: typical emissions from residential structures, not
12.7 including:

12.8 (1) fuel-burning equipment with a total heat input capacity of 420,000
12.9 Btu/hour or greater; and

12.10 (2) emergency backup generators.

12.11 *[For text of items H and I, see M.R.]*

12.12 J. Miscellaneous:

12.13 *[For text of subitems (1) to (3), see M.R.]*

12.14 (4) purging of natural gas and liquid petroleum gas lines;

12.15 *[For text of subitem (5), see M.R.]*

12.16 (6) funeral home embalming processes and associated ventilation systems;

12.17 (7) use of consumer products, including hazardous substances as that term
12.18 is defined in the Federal Hazardous Substances Act, where the product is used at academic
12.19 and health care institutions in the same manner as normal consumer use;

12.20 (8) equipment used exclusively for packaging:

12.21 (a) lubricants or greases; or

12.22 (b) waterborne adhesives, coatings, or binders;

- 13.1 (9) equipment used exclusively for mixing and blending materials at ambient
13.2 temperature to make waterborne adhesives, coatings, or binders;
- 13.3 (10) equipment used for hydraulic or hydrostatic testing;
- 13.4 (11) plasma- or laser-cutting operations using a water table;
- 13.5 (12) blueprint copiers and photographic processes;
- 13.6 (13) equipment used exclusively for melting or applying wax;
- 13.7 (14) nonasbestos equipment used exclusively for bonding lining to brake
13.8 shoes;
- 13.9 (15) solvent distillation equipment with a batch capacity of 55 gallons or less;
13.10 and
- 13.11 (16) electric steam sterilizers.

13.12 *[For text of item K, see M.R.]*

- 13.13 L. Commercial self-service laundries, not including dry cleaners or industrial
13.14 laundries.

13.15 Subp. 3. **Insignificant activities required to be listed.** The emissions units described
13.16 in this subpart must be listed in a permit application.

13.17 A. Fuel use: space heaters fueled by kerosene, natural gas, or propane, but only
13.18 if the combined total heat input capacity of all space heaters at the stationary source is less
13.19 than or equal to 420,000 Btu per hour. A space heater is a heating unit that is not connected
13.20 to piping or ducting to distribute the heat.

13.21 B. Infrared electric ovens and indirect heating equipment:

- 13.22 (1) infrared electric ovens; and

14.1 (2) indirect heating equipment as defined in part 7011.0500, subpart 9, with
14.2 a heat input capacity less than 420,000 Btu per hour, but only if the total combined heat
14.3 input capacity of all indirect heating equipment at the stationary source with a heat input
14.4 capacity less than 420,000 Btu per hour is less than or equal to a total heat input capacity
14.5 of 1,400,000 Btu per hour. For example: Facility A has three furnaces, each with a heat
14.6 input capacity of 400,000 Btu per hour. The three units are all an insignificant activity to
14.7 be listed under this subitem because their combined heat input capacity is less than 1,400,000
14.8 Btu per hour. Facility B has six furnaces, each with a total heat input capacity of 400,000
14.9 Btu per hour. None of the six units is an insignificant activity under this subitem, because
14.10 their total combined heat input capacity is greater than 1,400,000 Btu per hour.

14.11 C. Storage tanks:

14.12 (1) gasoline storage tanks with a combined total tankage capacity of not more
14.13 than 10,000 gallons; and

14.14 (2) nonhazardous air pollutant VOC storage tanks with a combined total
14.15 tankage capacity of not more than 10,000 gallons of nonhazardous air pollutant VOCs and
14.16 with a vapor pressure of not more than 1.0 psia at 60 degrees Fahrenheit.

14.17 D. Emissions from a laboratory. For this item, "laboratory" means a place or
14.18 activity devoted to experimental study or teaching in any science, or to the testing and
14.19 analysis of drugs, chemicals, chemical compounds or other substances, or similar activities,
14.20 provided that the activities described in this sentence are conducted on a laboratory scale.
14.21 Activities are conducted on a laboratory scale if the containers used for reactions, transfers,
14.22 and other handling of substances are designed to be easily and safely manipulated by one
14.23 person. If an emission facility manufactures or produces products for profit in any quantity,
14.24 it may not be considered to be a laboratory under this item. Support activities necessary to
14.25 the operation of the laboratory are considered to be part of the laboratory. Support activities
14.26 do not include the provision of power to the laboratory from sources that provide power to

15.1 multiple projects or from sources that would otherwise require permitting, such as boilers
15.2 that provide power to an entire facility.

15.3 E. Miscellaneous: brazing, soldering, torch-cutting, or welding equipment.

15.4 F. Individual emissions units at a stationary source, each of which have a potential
15.5 to emit the following pollutants in amounts less than:

15.6 (1) 4,000 pounds per year of carbon monoxide;

15.7 (2) 2,000 pounds per year each of nitrogen oxide, sulfur dioxide, particulate
15.8 matter, particulate matter less than ten microns, VOCs (including hazardous air
15.9 pollutant-containing VOCs), and ozone; and

15.10 (3) 1,000 tons per year of CO₂e.

15.11 G. Fugitive dust emissions from unpaved entrance roads and parking lots, except
15.12 that a stationary source applying for an Option D registration permit under part 7007.1130
15.13 must include fugitive dust emissions in calculations when required under part 7007.1130,
15.14 subpart 4.

15.15 Subp. 4. **Insignificant activities required to be listed in a part 70 application.** If
15.16 the owners and operators are applying for the initial part 70 permit for a stationary source,
15.17 emissions units with emissions less than all the following limits but not included in subpart
15.18 2 must be listed in the part 70 permit application:

15.19 *[For text of items A to C, see M.R.]*

15.20 D. potential emissions up to 10,000 tons per year or actual emissions up to 1,000
15.21 tons per year CO₂e.

15.22 Subp. 5. **Threshold table; hazardous air pollutants.** The thresholds for hazardous
15.23 air pollutants listed in the following table are for determining if an emissions unit qualifies
15.24 as an insignificant activity under subpart 4, item C, subitem (1):

16.1	CAS#	Chemical Name	De Minimis
16.2			Level
16.3			(tons/year)
16.4	57147	1,1-Dimethyl hydrazine	0.008
16.5	79005	1,1,2- Trichloroethane	1
16.6	79345	1,1,2,2-Tetrachloroethane	0.3
16.7	96128	1,2-Dibromo-3-chloropropane	0.01
16.8	122667	1,2-Diphenylhydrazine	0.09
16.9	106887	1,2-Epoxybutane	1
16.10	75558	1,2-Propylenimine (2-Methyl aziridine)	0.003
16.11	120821	1,2,4-Trichlorobenzene	10
16.12	106990	1,3-Butadiene	0.07
16.13	542756	1,3-Dichloropropene	1
16.14	1120714	1,3-Propane sultone	0.03
16.15	106467	1,4-Dichlorobenzene(p)	3
16.16	123911	1,4-Dioxane (1,4-Diethyleneoxide)	6
16.17	53963	2-Acetylaminofluorine	0.005
16.18	532274	2-Chloroacetophenone	0.06
16.19	79469	2-Nitropropane	1
16.20	540841	2,2,4-Trimethylpentane	5
16.21	1746016	2,3,7,8-Tetrachlorodibenzo-p-dioxin	6E-07
16.22	584849	2,4-Toluene diisocyanate	0.1
16.23	51285	2,4-Dinitrophenol	1
16.24	121142	2,4-Dinitrotoluene	0.02
16.25	94757	2,4-D, salts, esters (2,4-Dichlorophenoxy acetic acid)	10
16.26	95807	2,4-Toluene diamine	0.02
16.27	95954	2,4,5-Trichlorophenol	1
16.28	88062	2,4,6-Trichlorophenol	6
16.29	91941	3,3-Dichlorobenzidene	0.2

17.1	119904 3,3'-Dimethoxybenzidine	0.1
17.2	119937 3,3'-Dimethyl benzidine	0.008
17.3	92671 4-Aminobiphenyl	1
17.4	92933 4-Nitrobiphenyl	1
17.5	100027 4-Nitrophenol	5
17.6	101144 4,4-Methylene bis(2-chloroaniline)	0.2
17.7	101779 4,4'-Methylenedianiline	1
17.8	534521 4,6-Dinitro-o-cresol, and salts	0.1
17.9	75070 Acetaldehyde	9
17.10	60355 Acetamide	1
17.11	75058 Acetonitrile	4
17.12	98862 Acetophenone	1
17.13	107028 Acrolein	0.04
17.14	79061 Acrylamide	0.02
17.15	79107 Acrylic acid	0.6
17.16	107131 Acrylonitrile	0.3
17.17	107051 Allyl chloride	1
17.18	62533 Aniline	1
17.19	71432 Benzene	2
17.20	92875 Benzidine	0.0003
17.21	98077 Benzotrichloride	0.006
17.22	100447 Benzyl chloride	0.1
17.23	57578 beta-Propiolactone	0.1
17.24	92524 Biphenyl	10
17.25	117817 Bis(2-ethylhexyl)phthalate(DEHP)	5
17.26	542881 Bis(chloromethyl)ether	0.0003
17.27	75252 Bromoform	10
17.28	156627 Calcium cyanamide	10
17.29	133062 Captan	10

18.1	63252 Carbaryl	10
18.2	75150 Carbon disulfide	1
18.3	56235 Carbon tetrachloride	1
18.4	463581 Carbonyl sulfide	5
18.5	120809 Catechol	5
18.6	133904 Chloramben	1
18.7	57749 Chlordane	0.01
18.8	7782505 Chlorine	0.1
18.9	79118 Chloroacetic acid	0.1
18.10	108907 Chlorobenzene	10
18.11	510156 Chlorobenzilate	0.4
18.12	67663 Chloroform	0.9
18.13	107302 Chloromethyl methyl ether	0.1
18.14	126998 Chloroprene	1
18.15	1319773 Cresols/Cresylic acid (isomers and mixture)	1
18.16	95487 o-Cresol	1
18.17	108394 m-Cresol	1
18.18	106445 p-Cresol	1
18.19	98828 Cumene	10
18.20	334883 Diazomethane	1
18.21	132649 Dibenzofuran	5
18.22	72559 DDE (p,p'-Dichlorodiphenyldichloroethylene)	0.01
18.23	84742 Dibutylphthalate	10
18.24	111444 Dichloroethyl ether (Bis(2-chloroethyl)ether)	0.06
18.25	62737 Dichlorvos	0.2
18.26	11422 Diethanolamine	5
18.27	64675 Diethyl sulfate	1
18.28	60117 Dimethyl aminoazobenzene	1
18.29	79447 Dimethyl carbamoyl chloride	0.02

19.1	68122 Dimethyl formamide	1
19.2	131113 Dimethyl phthalate	10
19.3	77781 Dimethyl sulfate	0.1
19.4	106898 Epichlorohydrin	2
19.5	140885 Ethyl acrylate	1
19.6	100414 Ethyl benzene	10
19.7	51796 Ethyl carbamate (Urethane)	0.8
19.8	75003 Ethyl chloride	10
19.9	106934 Ethylene dibromide (Dibromoethane)	0.1
19.10	107062 Ethylene dichloride (1,2-Dichloroethane)	0.8
19.11	107211 Ethylene glycol	10
19.12	151564 Ethylene imine (Aziridine)	0.003
19.13	75218 Ethylene oxide	0.1
19.14	96457 Ethylene thiourea	0.6
19.15	75343 Ethylidene dichloride (1,1-Dichloroethane)	1
19.16	50000 Formaldehyde	2
19.17	76448 Heptachlor	0.02
19.18	118741 Hexachlorobenzene	0.01
19.19	87683 Hexachlorobutadiene	0.9
19.20	77474 Hexachlorocyclopentadiene	0.1
19.21	67721 Hexachloroethane	5
19.22	822060 Hexamethylene,-1,6-diisocyanate	0.02
19.23	680319 Hexamethylphosphoramide	0.01
19.24	110543 Hexane	10
19.25	302012 Hydrazine	0.004
19.26	7647010 Hydrochloric acid	10
19.27	7664393 Hydrogen fluoride	0.1
19.28	123319 Hydroquinone	1
19.29	78591 Isophorone	10

20.1	58899 Lindane (hexachlorcyclohexane, gamma)	0.01
20.2	108316 Maleic anhydride	1
20.3	67561 Methanol	10
20.4	72435 Methoxychlor	10
20.5	74839 Methyl bromide (Bromomethane)	10
20.6	74873 Methyl chloride (Chloromethane)	10
20.7	71556 Methyl chloroform (1,1,1-Trichloroethane)	10
20.8	60344 Methyl hydrazine	0.06
20.9	74884 Methyl iodide (Iodomethane)	1
20.10	108101 Methyl isobutyl ketone	10
20.11	624839 Methyl isocyanate	0.1
20.12	80626 Methyl methacrylate	10
20.13	1634044 Methyl tert-butyl ether	10
20.14	12108133 Methylcyclopentadienyl manganese	0.1
20.15	75092 Methylene chloride (Dichloromethane)	10
20.16	101688 Methylene diphenyl diisocyanate	0.1
20.17	91203 Naphthalene	10
20.18	98953 Nitrobenzene	1
20.19	62759 N-Nitrosodimethylamine	0.001
20.20	69892 N-Nitrosomorpholine	1
20.21	684935 N-Nitroso-N-methylurea	0.0002
20.22	121697 N,N-Dimethylaniline	1
20.23	90040 o-Anisidine	1
20.24	95534 o-Toluidine	4
20.25	56382 Parathion	0.1
20.26	82688 Pentachloronitrobenzene (Quintobenzene)	0.3
20.27	87865 Pentachlorophenol	0.7
20.28	108952 Phenol	0.1
20.29	75445 Phosgene	0.1

21.1	7803512 Phosphine	5
21.2	7723140 Phosphorous	0.1
21.3	85449 Phthalic anhydride	5
21.4	1336363 Polychlorinated biphenyls (Aroclors)	0.009
21.5	106503 p-Phenylenediamine	10
21.6	123386 Propionaldehyde	5
21.7	114261 Propoxur (Baygone)	10
21.8	78875 Propylene dichloride (1,2-Dichloropropane)	1
21.9	75569 Propylene oxide	5
21.10	91225 Quinoline	0.006
21.11	106514 Quinone	5
21.12	100425 Styrene	1
21.13	96093 Styrene oxide	1
21.14	127184 Tetrachloroethylene (Perchloroethylene)	10
21.15	7550450 Titanium tetrachloride	0.1
21.16	108883 Toluene	10
21.17	8001352 Toxaphene (chlorinated camphene)	0.01
21.18	79016 Trichloroethylene	10
21.19	121448 Triethylamine	10
21.20	1582098 Trifluralin	9
21.21	108054 Vinyl acetate	1
21.22	593602 Vinyl bromide (bromoethene)	0.6
21.23	75014 Vinyl chloride	0.2
21.24	75354 Vinylidene chloride (1,1-Dichloroethylene)	0.4
21.25	1330207 Xylenes (isomers and mixture)	10
21.26	108383 m-Xylenes	10
21.27	95476 o-Xylenes	10
21.28	106423 p-Xylenes	10
21.29	- Arsenic and inorganic arsenic compounds	0.005

22.1	7784421 Arsine	0.1
22.2	- Antimony compounds (except those specifically listed)*	5
22.3	1309644 Antimony trioxide	1
22.4	1345046 Antimony trisulfide	0.1
22.5	7783702 Antimony pentafluoride	0.1
22.6	28300745 Antimony potassium tartrate	1
22.7	- Beryllium compounds (except Beryllium salts)	0.008
22.8	- Beryllium salts	0.00002
22.9	- Cadmium compounds	0.01
22.10	130618 Cadmium oxide	0.01
22.11	- Chromium compounds (except Hexavalent and Trivalent)	5
22.12	- Hexavalent Chromium compounds	0.002
22.13	- Trivalent Chromium compounds	5
22.14	10025737 Chromic chloride	0.1
22.15	744084 Cobalt metal (and compounds, except those specifically	0.1
22.16	listed)*	
22.17	10210681 Cobalt carbonyl	0.1
22.18	62207765 Fluomine	0.1
22.19	- Coke oven emissions	0.03
22.20	- Cyanide compounds (except those specifically listed)*	5
22.21	143339 Sodium cyanide	0.1
22.22	151508 Potassium cyanide	0.1
22.23	- Glycol ethers (except those specifically listed)*	5
22.24	110805 2-Ethoxy ethanol	10
22.25	111762 Ethylene glycol monobutyl ether	10
22.26	108864 2-Methoxy ethanol	10
22.27	- Lead and compounds (except those specifically listed)*	0.01
22.28	75741 Tetramethyl lead	0.01
22.29	78002 Tetraethyl lead	0.01

23.1	7439965 Manganese and compounds (except those specifically listed)*	0.8
23.2	12108133 Methylcyclopentadienyl manganese	0.1
23.3	- Mercury compounds (except those specifically listed)*	0.01
23.4	10045940 Mercuric nitrate	0.01
23.5	748794 Mercuric chloride	0.01
23.6	62384 Phenyl mercuric acetate	0.01
23.7	- Elemental Mercury	0.01
23.8	- Mineral fiber compounds (except those specifically listed)*	a
23.9	1332214 Asbestos	a
23.10	- Erionite	a
23.11	- Silica (crystalline)	a
23.12	- Talc (containing asbestos from fibers)	a
23.13	- Glass wool	a
23.14	- Rock wool	a
23.15	- Slag wool	a
23.16	- Ceramic fibers	a
23.17	- Nickel compounds (except those specifically listed)*	1
23.18	13463393 Nickel Carbonyl	0.1
23.19	12035722 Nickel refinery dust	0.08
23.20	- Nickel subsulfide	0.04
23.21	- Polycyclic organic matter-POM (except those specifically	0.01
23.22	listed)*	
23.23	56553 Benz(a)anthracene	0.01
23.24	50328 Benzo(a)pyrene	0.01
23.25	205992 Benzo(b)fluoranthene	0.01
23.26	57976 7,12-Dimethylbenz(a)anthracene	0.01
23.27	225514 Benz(c)acridine	0.01
23.28	218019 Chrysene	0.01
23.29	53703 Dibenzo(ah)anthracene	0.01

24.1	189559 1,2:7,8-Dibenzopyrene	0.01
24.2	193395 Indeno(1,2,3-cd)pyrene	0.01
24.3	- Dioxins & Furans (TCDD equivalent)**	-
24.4	7782492 Selenium and compounds (except those specifically listed)*	0.1
24.5	7488564 Selenium sulfide (mono and di)	0.1
24.6	7783075 Hydrogen selenide	0.1
24.7	10102188 Sodium selenite	0.1
24.8	13410010 Sodium selenate	0.1
24.9	99999918 Radionuclides (including radon)	b

24.10 * - For this chemical group, specific compounds or subgroups are named specifically in this
 24.11 table. For the remainder of the chemicals of the chemical group, a single de minimis value
 24.12 is listed, which applies to compounds that are not named specifically.

24.13 ** - The "toxic equivalent factor" method in EPA/625/3-89-016 (U.S. EPA (1989) Interim
 24.14 procedures for estimating risk associated with exposure to mixtures) must be used for
 24.15 PCDD/PCDF mixtures. A different de minimis level will be determined for each mixture
 24.16 depending on the equivalency factors used, which are compound specific. For purposes of
 24.17 this part, the document EPA/625/3-89-016, Interim Procedures for Estimating Risk
 24.18 Associated with Exposure to Mixtures, U.S. EPA (1989), is incorporated by reference. The
 24.19 Environmental Protection Agency is the author and publisher. This document is available
 24.20 at the University of Minnesota through the Minitex interlibrary loan system. This document
 24.21 is subject to frequent change.

24.22 a - De minimis values are zero. Currently available data do not support assignment of a
 24.23 "trivial" emission rate; therefore, the value assigned will be policy based.

24.24 b - The EPA relies on Code of Federal Regulations, title 40, part 61, subparts B and I, and
 24.25 appendix E, and assigns a de minimis level based on an effective dose equivalent of 0.3
 24.26 millirem per year for a seven-year exposure period that would result in a cancer risk of one

25.1 per million. The individual radionuclides subject to de minimis levels are contained in Code
25.2 of Federal Regulations, title 40, part 61.

25.3 **7008.0100 DEFINITIONS.**

25.4 Subpart 1. **Scope.** The definitions in this part apply to the terms used in this chapter.
25.5 The definitions in parts 7000.0100, 7005.0100, and 7007.0100 apply to the terms used in
25.6 this chapter unless the terms are otherwise defined in this part.

25.7 Subp. 2. [Renumbered as part 7005.0100, subpart 11f.]

25.8 Subp. 2a. [See repealer.]

25.9 Subp. 2b. [Renumbered as subpart 13.]

25.10 Subp. 2c. [Renumbered as subpart 15.]

25.11 Subp. 3. [Renumbered as subpart 14.]

25.12 Subp. 4. [Renumbered as subpart 16.]

25.13 Subp. 5. [See repealer.]

25.14 Subp. 6. **Auto-body refinishing facility.** "Auto-body refinishing facility" means a
25.15 stationary source engaged primarily in repairing collision damage and refinishing automobiles
25.16 and light-duty trucks. Auto-body refinishing facility includes a stationary source that does
25.17 not repair collision damage but only paints automobiles and light-duty trucks or customizes
25.18 repainting for used automobiles and light-duty trucks.

25.19 Subp. 7. **Cleaning material.** "Cleaning material" means a solvent that contains either
25.20 a VOC or hazardous air pollutant and is used to remove contaminants and other materials
25.21 including dirt, grease, oil, and dried or wet coatings from:

25.22 A. a surface before or after applying coating; or

26.1 B. equipment associated with coating application, including spray booths, spray
26.2 guns, racks, tanks, and hangers.

26.3 Subp. 8. **Coating.** "Coating" means a material including paint, stain, sealant, varnish,
26.4 liquid-plastic coating, caulk, ink, adhesive, primer, deadener, and maskant that contains
26.5 either a VOC or hazardous air pollutant and is applied to a surface for decorative, protective,
26.6 or functional purposes. "Liquid-plastic coating" means a coating made from fine-particle-size
26.7 polyvinyl chloride in a solution referred to as a plastisol. Coating does not include:

26.8 A. decorative, protective, or functional materials that consist only of protective
26.9 oils for metals, acids, or bases or any combination of these substances; or

26.10 B. paper film or plastic film that is precoated with an adhesive by the film
26.11 manufacturer.

26.12 Subp. 9. **Coating facility.** "Coating facility" means a stationary source that applies
26.13 coating to the surface of parts and products.

26.14 Subp. 10. **Mechanical finishing operations.** "Mechanical finishing operations" means
26.15 buffing, abrasive blasting, polishing, carving, cutting, drilling, machining, routing, sanding,
26.16 sawing, surface grinding, or turning equipment, but does not include abrasive blasting for
26.17 removing lead-containing paint.

26.18 Subp. 11. **Insignificant facility.** "Insignificant facility" means a stationary source that
26.19 has only emissions units that are listed as insignificant activities in part 7007.1300, subpart
26.20 2 or 3, or conditionally insignificant activities, or both, that comply with part 7008.2600.

26.21 Subp. 12. **Material usage.** "Material usage" means an activity at a stationary source,
26.22 such as applying or using a coating, cleaning material, or solvent, that emits only a VOC,
26.23 a hazardous air pollutant, or particulate matter or a combination thereof when emissions of
26.24 these pollutants can be calculated as described in part 7008.4100. Material usage does not

27.1 include material processes such as sanding, milling, materials reacting to form new materials,
27.2 fuel usage, or grain or other material handling.

27.3 Subp. 13. **Recycling.** "Recycling" means the reclamation or reuse of waste
27.4 VOC-containing or hazardous air pollutant-containing materials from material usage
27.5 activities. For purposes of this subpart, "reclamation" has the meaning given in part
27.6 7045.0020, subpart 73c, and "reuse" has the meaning given in part 7045.0020, subpart 75a.
27.7 [Renumbered from subpart 2b.]

27.8 Subp. 14. **Refueling positions.** "Refueling positions" means the number of vehicles
27.9 that could be receiving gasoline simultaneously at a gasoline service station. [Renumbered
27.10 from subpart 3.]

27.11 Subp. 15. **Solids.** "Solids" means the nonvolatile portion of the material applied or
27.12 used in a material usage activity. [Renumbered from subpart 2c.]

27.13 Subp. 16. **Stage-one vapor recovery.** "Stage-one vapor recovery" means pipes or
27.14 hoses, or both, that create a closed system connecting a gasoline unloading tank and a
27.15 gasoline receiving tank so that the vapors displaced from the receiving tank are transferred
27.16 to the unloading tank. [Renumbered from subpart 4.]

27.17 Subp. 17. **Transfer efficiency.** "Transfer efficiency" means the ratio of the weight of
27.18 solids in the material that adheres to an object to the total weight of solids in the material
27.19 used in the application process. Transfer efficiency varies with the type of application
27.20 method and is obtained from the application equipment manufacturer. If the manufacturer
27.21 provides a range for the transfer efficiency, the transfer efficiency for calculating emissions
27.22 of particulate matter is the minimum specified in the range.

27.23 Subp. 18. **Woodworking facility.** "Woodworking facility" means a stationary source
27.24 that manufacturers, finishes, refinishes, and restores parts or products primarily made of
27.25 wood, but including incidental use of other materials such as metal, plastic, or ceramic.

28.1 **7008.0200 GENERAL REQUIREMENTS.**

28.2 *[For text of items A to E, see M.R.]*

28.3 F. The owner or operator of a stationary source that operates without a permit
28.4 according to this chapter must comply with part 7007.0400, subpart 4, when making a
28.5 change or modification that disqualifies the stationary source for a permit exemption under
28.6 part 7007.0300.

28.7 **7008.2100 GASOLINE SERVICE STATIONS; TECHNICAL STANDARDS.**

28.8 Subpart 1. **Eligibility.**

28.9 A. To be eligible to operate without a permit under this chapter, the owner or
28.10 operator of a gasoline service station must comply with this part and part 7008.2000.

28.11 B. Gasoline receipt and dispensing operations must account for substantially all
28.12 of the emissions from the facility. All other emissions from the stationary source must be
28.13 from insignificant activities under part 7007.1300, subpart 2 or 3, or conditionally
28.14 insignificant activities, or both.

28.15 C. The owner or operator of a gasoline service station must have monthly gasoline
28.16 throughput quantities that are less than the following:

28.17 (1) for gasoline service stations located in ozone attainment areas or marginal
28.18 or moderate ozone nonattainment areas:

28.19 *[For text of units (a) and (b), see M.R.]*

28.20 (2) for gasoline service stations located in serious ozone nonattainment areas:

28.21 *[For text of units (a) and (b), see M.R.]*

28.22 D. Stage-one vapor recovery systems must comply with the requirements of part
28.23 7011.0870.

29.1 Subp. 2. **Record keeping.** The owner or operator of a gasoline service station must
29.2 maintain records for each calendar month of the number of gallons of gasoline throughput.

29.3 Subp. 3. **Notification.**

29.4 A. The owner or operator of a gasoline service station must submit a notification
29.5 to the commissioner at least 90 days before beginning construction of a gasoline service
29.6 station if the number of refueling positions is greater than the following:

29.7 *[For text of subitems (1) and (2), see M.R.]*

29.8 B. The notification in item A must contain:

29.9 *[For text of subitems (1) to (4), see M.R.]*

29.10 **7008.2200 CONCRETE MANUFACTURING; TECHNICAL STANDARDS.**

29.11 Subpart 1. **Eligibility.** To be eligible to operate without a permit under this chapter,
29.12 the owner or operator of a concrete manufacturing stationary source must comply with this
29.13 part and parts 7008.2000 and 7011.0850 to 7011.0859.

29.14 *[For text of subps 2 to 5, see M.R.]*

29.15 Subp. 6. **Record keeping.** The owner or operator of a concrete manufacturing
29.16 stationary source must maintain records that contain:

29.17 A. the calendar-year production of unhardened concrete in tons to demonstrate
29.18 compliance with subpart 2;

29.19 B. documentation of compliance with the requirements for conditionally
29.20 insignificant activities;

29.21 C. the types of fuel combusted in nonmobile emissions units in each calendar year
29.22 to demonstrate compliance with subpart 3, items A to C, and the amounts of fuel combusted

30.1 in nonmobile internal combustion engines to demonstrate compliance with subpart 3, item
30.2 C; and

30.3 D. documentation of compliance with subpart 2, items A and B, if the owner or
30.4 operator elects to receive credit for reducing emissions by controlling road dust.

30.5 **7008.2300 AUTO-BODY REFINISHING; TECHNICAL STANDARDS.**

30.6 **Subpart 1. Eligibility.**

30.7 A. To be eligible to operate without a permit under this chapter, the owner or
30.8 operator of an auto-body refinishing facility must comply with this part and part 7008.2000.

30.9 B. Painting automobiles and automobile parts must account for substantially all
30.10 emissions from the auto-body refinishing facility. All other emissions from the stationary
30.11 source must be from insignificant activities in part 7007.1300, subpart 2 or 3, or conditionally
30.12 insignificant activities that comply with parts 7008.4000 and 7008.4110, or both.

30.13 C. The owner or operator of an auto-body refinishing facility must:

30.14 (1) purchase or use less than 2,000 gallons of coating and cleaning materials,
30.15 combined, each calendar year; or

30.16 (2) limit VOC and HAP emissions from coating and cleaning activities in
30.17 each calendar year to less than the thresholds in this subitem, calculated according to the
30.18 methods in subpart 4:

30.19 (a) VOC emissions - 20,000 pounds per calendar year; and

30.20 (b) total HAP emissions - 12,000 pounds per calendar year.

30.21 Subp. 2. **Operational requirements.** The owner or operator of an auto-body refinishing
30.22 facility must:

31.1 A. ensure all painters are trained in proper spray application of surface coatings
31.2 and proper setup and maintenance of spray equipment; Each painter must be trained no
31.3 later than 180 days after hiring and every five years after the date previous training was
31.4 completed;

31.5 B. ensure spray-painting operations, excluding those done by spray guns with
31.6 three ounces or less cup capacity and aerosol or pump spray containers with 16 ounces or
31.7 less capacity, are completed inside a particulate-control system that is designed to confine
31.8 and direct paint overspray, fumes, and vapors to a powered ventilation system and is equipped
31.9 with either dry filtration or a water-wash system to capture paint overspray;

31.10 C. operate and maintain spray-painting ~~application~~ equipment, exhaust filtration
31.11 systems, and spray booths according to the manufacturer's specification;

31.12 D. ensure all spray-gun cleaning is done so that an atomized mist or spray of
31.13 gun-cleaning solvent and paint residue is not created outside a container that collects used
31.14 gun-cleaning solvent. Spray-gun cleaning may be done, for example, by hand cleaning parts
31.15 of the disassembled gun in a container of solvent, by flushing solvent through the gun
31.16 without atomizing the solvent and paint residue, or by using a fully enclosed spray-gun
31.17 washer. A combination of nonatomizing methods may also be used; and

31.18 E. comply with the requirements for booth specifications, stripping management
31.19 practices, overspray-capture efficiency, spray-gun specifications, solvent storage, and
31.20 training in Code of Federal Regulations, title 40, part 63, subpart HHHHHH, as applicable.

31.21 **Subp. 3. Record keeping.**

31.22 A. The owner or operator of an auto-body refinishing facility must maintain:

31.23 (1) documentation that each painter has completed the training specified in
31.24 subpart 2, item A;

32.1 (2) a record of inspection, maintenance, and repair activities for the
32.2 spray-painting equipment, exhaust filtration ~~system~~ systems, and spray booths; and

32.3 (3) a record of the number of gallons of coating and cleaning materials
32.4 purchased or used for each calendar year; and

32.5 ~~(4) if the owner or operator ships waste material from coating and cleaning~~
32.6 ~~activities off-site for recycling, records of the gallons of material shipped off-site for~~
32.7 ~~recycling.~~

32.8 B. The owner or operator of an auto-body refinishing facility that chooses to
32.9 comply with the VOC and HAP emission limits in subpart 1, item C, subitem (2), must
32.10 maintain:

32.11 (1) records for each calendar year of the maximum VOC content of each
32.12 coating and cleaning material;

32.13 (2) records for each calendar year of the maximum HAP content of each
32.14 coating and cleaning material; and

32.15 (3) a record of the safety data sheet (SDS) or a signed statement from the
32.16 supplier stating the maximum VOC content and the maximum HAP content for each coating
32.17 and cleaning material.

32.18 B. C. For purposes of this part, "recycling" means reclamation or reuse, as defined
32.19 in part 7045.0020, of a coating or cleaning material. If the owner or operator ships waste
32.20 material from coating and cleaning activities off-site for recycling;

32.21 (1) the gallons of material recycled may be subtracted from the amount of
32.22 combined coating and cleaning materials used. For purposes of this item, "recycling" means
32.23 reclamation or reuse, as defined in part 7045.0020, of a coating or cleaning material. If the
32.24 gallons of material recycled is subtracted from the amount of combined coating and cleaning

33.1 materials used, the owner or operator must keep records of the gallons of material shipped
33.2 off-site for recycling and the calculations done to determine the amount to subtract; or

33.3 (2) the pounds of VOC and HAP recycled may be subtracted from the amount
33.4 of VOC and HAP calculated as allowed in subpart 4. If the pounds of VOC and HAP recycled
33.5 is subtracted from the amount of VOC and HAP calculated in subpart 4, the owner or
33.6 operator must keep records of the amount of coating and cleaning materials shipped off-site
33.7 for recycling, the VOC and HAP content of coating and cleaning materials shipped off-site
33.8 for recycling, and the calculations done to determine the amount of VOC and HAP to
33.9 subtract. Acceptable records include safety data sheets, invoices, shipping papers, and
33.10 hazardous waste manifests.

33.11 C. D. The owner or operator must comply with the requirements for monitoring,
33.12 record keeping, and reporting in Code of Federal Regulations, title 40, part 63, subpart
33.13 HHHHHH, as applicable.

33.14 Subp. 4. Calculating emissions. The owner or operator of an auto-body refinishing
33.15 facility that chooses to comply with the VOC and HAP emission limits in subpart 1, item
33.16 C, subitem (2), must calculate VOC and HAP emissions using the methods in items A and
33.17 B.

33.18 A. The owner or operator must calculate VOC emissions using a method in subitem
33.19 (1) or (2). If the owner or operator ships waste material from coating or cleaning activities
33.20 off-site for recycling, the amount of VOC recycled may be subtracted from the amount of
33.21 VOC calculated in subitem (1) or (2):

33.22 (1) pounds of VOC emissions per calendar year equal gallons of
33.23 VOC-containing material purchased or used in a calendar year multiplied by the pounds of
33.24 VOC per gallon; or

34.1 (2) pounds of VOC emissions per calendar year equal pounds of
34.2 VOC-containing material purchased or used in a calendar year multiplied by weight percent
34.3 of VOC.

34.4 B. The owner or operator must calculate total HAP emissions using a method in
34.5 subitem (1) or (2). If the owner or operator ships waste material from coating or cleaning
34.6 activities off-site for recycling, the amount of HAP recycled may be subtracted from the
34.7 amount of total HAP calculated in subitem (1) or (2):

34.8 (1) pounds of HAP emissions per calendar year equal gallons of
34.9 HAP-containing material purchased or used in a calendar year multiplied by the pounds of
34.10 HAP per gallon; or

34.11 (2) pounds of HAP emissions per calendar year equal pounds of
34.12 HAP-containing material purchased or used in a calendar year multiplied by weight percent
34.13 of HAP.

34.14 **Subp. 4 5. Notification.**

34.15 **A. If the owner or operator of an auto-body refinishing facility covered by a permit**
34.16 **issued under parts 7007.0050 to 7007.1850 intends to operate without a permit according**
34.17 **to this chapter, the owner or operator must:**

34.18 **(1) request that the commissioner void the permit issued under parts 7007.0050**
34.19 **to 7007.1850 for the stationary source before operating under this chapter; and**

34.20 **(2) notify the commissioner in a format specified by the commissioner.**

34.21 **B. The owner or operator of an auto-body refinishing facility not described in**
34.22 **item A must notify the commissioner in a format specified by the commissioner within 90**
34.23 **120 days after the effective date of this part or within 90 120 days after beginning to operate**
34.24 **an auto-body refinishing facility.**

35.1 C. The notification required under this subpart must contain:

35.2 (1) the owner's name;

35.3 (2) the operator's name, if different than the owner's name;

35.4 (3) the facility name and address; and

35.5 (4) the number of gallons of coating and cleaning materials purchased or used

35.6 in the last calendar year or, if the facility ~~is not completed~~ has not been in operation for one

35.7 calendar year, the anticipated number of gallons of coating and cleaning materials to be

35.8 purchased or used.

35.9 **7008.2400 COATING FACILITY; TECHNICAL STANDARDS.**

35.10 Subpart 1. **Eligibility.**

35.11 A. The owner or operator of a coating facility that is not an auto-body refinishing

35.12 facility and that has no other emissions or emissions units that would require a permit under

35.13 chapter 7007 may operate without a permit under this chapter. To be eligible to operate

35.14 without a permit under this chapter, the owner or operator of a coating facility must comply

35.15 with this part and part 7008.2000.

35.16 B. Coating must account for substantially all emissions from the coating facility.

35.17 All other emissions from the ~~coating facility~~ stationary source must be from insignificant

35.18 activities under part 7007.1300, subpart 2 or 3, or conditionally insignificant activities that

35.19 comply with parts 7008.4000 and 7008.4110, or both.

35.20 C. The owner or operator of a coating facility must:

35.21 (1) purchase or use less than 2,000 gallons of coating and cleaning materials,

35.22 combined, each calendar year; or

36.1 (2) limit VOC and HAP emissions from coating and cleaning activities in
36.2 each calendar year to less than the thresholds in this subitem, calculated according to the
36.3 methods in subpart 4:

36.4 (a) VOC emissions - 20,000 pounds per calendar year; and

36.5 (b) total HAP emissions - 12,000 pounds per calendar year.

36.6 Subp. 2. **Operational requirements.** The owner or operator of a coating facility must:

36.7 A. ensure all painters are trained in proper spray application of surface coatings
36.8 and proper setup and maintenance of spray equipment; Each painter must be trained no
36.9 later than 180 days after hiring and every five years after the date previous training was
36.10 completed;

36.11 B. ensure spray-painting operations, excluding those done by spray guns with
36.12 three ounces or less cup capacity and aerosol or pump spray containers with 16 ounces or
36.13 less capacity, are completed inside a particulate-control system that is designed to confine
36.14 and direct paint overspray, fumes, and vapors to a powered ventilation system and is equipped
36.15 with either dry filtration or a water-wash system to capture paint overspray;

36.16 C. operate and maintain spray-painting ~~application~~ equipment, exhaust filtration
36.17 systems, and spray booths according to the manufacturer's specification;

36.18 D. ensure all spray-gun cleaning is done so that an atomized mist or spray of
36.19 gun-cleaning solvent and paint residue is not created outside a container that collects used
36.20 gun-cleaning solvent. Spray-gun cleaning may be done, for example, by hand cleaning parts
36.21 of the disassembled gun in a container of solvent, by flushing solvent through the gun
36.22 without atomizing the solvent and paint residue, or by using a fully enclosed spray-gun
36.23 washer. A combination of nonatomizing methods may also be used; and

37.1 E. comply with the requirements for booth specifications, stripping management
37.2 practices, overspray-capture efficiency, spray-gun specifications, solvent storage, and
37.3 training in Code of Federal Regulations, title 40, part 63, subpart HHHHHH, as applicable.

37.4 Subp. 3. **Record keeping.**

37.5 A. The owner or operator of a coating facility must maintain:

37.6 (1) documentation that each painter has completed the training specified in
37.7 subpart 2, item A;

37.8 (2) a record of inspection, maintenance, and repair activities for the
37.9 spray-painting application equipment, exhaust filtration system systems, and spray booths;
37.10 and

37.11 (3) a record of the number of gallons of coating and cleaning materials
37.12 purchased or used for each calendar year; and.

37.13 ~~(4) if the owner or operator ships waste material from coating and cleaning~~
37.14 ~~activities off-site for recycling, records of the gallons of material shipped off-site for~~
37.15 ~~recycling.~~

37.16 B. The owner or operator of a coating facility that chooses to comply with the
37.17 VOC and HAP emission limits in subpart 1, item C, subitem (2), must maintain:

37.18 (1) records for each calendar year of the maximum VOC content of each
37.19 coating and cleaning material;

37.20 (2) records for each calendar year of the maximum HAP content of each
37.21 coating and cleaning material; and

37.22 (3) a record of the safety data sheet (SDS) or a signed statement from the
37.23 supplier stating the maximum VOC content and the maximum HAP content for each coating,
37.24 and cleaning material.

38.1 ~~B. C.~~ For purposes of this part, "recycling" means reclamation or reuse, as defined
38.2 in part 7045.0020, of a coating or cleaning material. If the owner or operator ships waste
38.3 material from coating and cleaning activities off-site for recycling;

38.4 (1) the gallons of material recycled may be subtracted from the amount of
38.5 combined coating and cleaning materials used. ~~For purposes of this item, "recycling" means~~
38.6 ~~reclamation or reuse, as defined in part 7045.0020, of a coating or cleaning material. If the~~
38.7 ~~gallons of material recycled is subtracted from the amount of combined coating and cleaning~~
38.8 ~~materials used, the owner or operator must keep records of the gallons of material shipped~~
38.9 ~~off-site for recycling and the calculations done to determine the amount to subtract; or~~

38.10 (2) the pounds of VOC and HAP recycled may be subtracted from the amount
38.11 of VOC and HAP calculated as allowed in subpart 4. If the pounds of VOC and HAP recycled
38.12 is subtracted from the amount of VOC and HAP calculated in subpart 4, the owner or
38.13 operator must keep records of the amount of coating and cleaning materials shipped off-site
38.14 for recycling, the VOC and HAP content of coating and cleaning materials shipped off-site
38.15 for recycling, and the calculations done to determine the amount of VOC and HAP to
38.16 subtract. Acceptable records include safety data sheets, invoices, shipping papers, and
38.17 hazardous waste manifests.

38.18 ~~E. D.~~ The owner or operator must comply with the requirements for monitoring,
38.19 record keeping, and reporting in Code of Federal Regulations, title 40, part 63, subpart
38.20 HHHHHH, as applicable.

38.21 Subp. 4. Calculating emissions. The owner or operator of a coating facility that
38.22 chooses to comply with the VOC and HAP emission limits in subpart 1, item C, subitem
38.23 (2), must calculate VOC and HAP emissions using the methods in items A and B.

38.24 A. The owner or operator must calculate VOC emissions using a method in subitem
38.25 (1) or (2). If the owner or operator ships waste material from coating or cleaning activities

39.1 off-site for recycling, the amount of VOC recycled may be subtracted from the amount of
39.2 VOC calculated in subitem (1) or (2):

39.3 (1) pounds of VOC emissions per calendar year equal gallons of
39.4 VOC-containing material purchased or used in a calendar year multiplied by the pounds of
39.5 VOC per gallon; or

39.6 (2) pounds of VOC emissions per calendar year equal pounds of
39.7 VOC-containing material purchased or used in a calendar year multiplied by weight percent
39.8 of VOC.

39.9 B. The owner or operator must calculate total HAP emissions using a method in
39.10 subitem (1) or (2). If the owner or operator ships waste material from coating or cleaning
39.11 activities off-site for recycling, the amount of HAP recycled may be subtracted from the
39.12 amount of total HAP calculated in subitem (1) or (2):

39.13 (1) pounds of HAP emissions per calendar year equal gallons of
39.14 HAP-containing material purchased or used in a calendar year multiplied by the pounds of
39.15 HAP per gallon; or

39.16 (2) pounds of HAP emissions per calendar year equal pounds of
39.17 HAP-containing material purchased or used in a calendar year multiplied by weight percent
39.18 of HAP.

39.19 **Subp. 4 5. Notification.**

39.20 **A. If the owner or operator of a coating facility covered by a permit issued under**
39.21 **parts 7007.0050 to 7007.1850 intends to operate without a permit according to this chapter,**
39.22 **the owner or operator must:**

39.23 **(1) request that the commissioner void the permit issued under parts 7007.0050**
39.24 **to 7007.1850 for the stationary source before operating under this chapter; and**

40.1 (2) notify the commissioner in a format specified by the commissioner.

40.2 B. The owner or operator of a coating facility not described in item A must notify
40.3 the commissioner in a format specified by the commissioner within ~~90~~ 120 days after the
40.4 effective date of this part or within ~~90~~ 120 days after beginning to operate a coating facility.

40.5 C. The notification required under this subpart must contain:

40.6 (1) the owner's name;

40.7 (2) the operator's name, if different than the owner's name;

40.8 (3) the facility name and address; and

40.9 (4) the number of gallons of coating and cleaning materials purchased or used
40.10 in the last calendar year or, if the facility ~~is not completed~~ has not been in operation for one
40.11 calendar year, the anticipated number of gallons of coating and cleaning materials to be
40.12 purchased or used.

40.13 **7008.2500 WOODWORKING FACILITY; TECHNICAL STANDARDS.**

40.14 **Subpart 1. Eligibility.**

40.15 A. To be eligible to operate without a permit under this chapter, the owner or
40.16 operator of a woodworking facility must comply with this part and part 7008.2000.

40.17 B. Equipment for manufacturing, mechanical finishing and refinishing, and
40.18 restoring wood products and ovens for curing or drying wood products must account for
40.19 substantially all the emissions from the woodworking facility. All other emissions from the
40.20 stationary source must be from insignificant activities under part 7007.1300, subpart 2 or
40.21 3, or conditionally insignificant activities that comply with parts 7008.4000 and 7008.4100,
40.22 or both.

40.23 C. ~~All other emissions from the woodworking facility must be from insignificant~~
40.24 ~~activities under part 7007.1300, subpart 2 or 3, or conditionally insignificant activities that~~

41.1 ~~comply with parts 7008.4000 and 7008.4100, or both.~~ The combined total heat input capacity
41.2 of all fuel-burning ovens for curing or drying wood products must be less than or equal to
41.3 25,000,000 Btu per hour.

41.4 D. The owner or operator must limit emissions of particulate matter from all
41.5 wood-product manufacturing, mechanical finishing and refinishing, and restoring equipment
41.6 to less than 40,000 pounds per calendar year, calculated according to the method in subpart
41.7 5, or limit the aggregate exhaust airflow rate from all wood-product manufacturing,
41.8 mechanical finishing and refinishing, and restoring equipment to less than or equal to:

41.9 (1) 177,000 standard cubic feet per minute if all emissions from wood-product
41.10 manufacturing, mechanical finishing and refinishing, and restoring equipment are vented
41.11 to control equipment through a total enclosure; or

41.12 (2) 80,000 standard cubic feet per minute if all emissions from wood-product
41.13 manufacturing, mechanical finishing and refinishing, and restoring equipment are vented
41.14 to control equipment through a certified hood or total enclosure.

41.15 Subp. 2. **Operational requirements.** The owner or operator of a woodworking facility
41.16 must:

41.17 A. ensure that equipment for manufacturing, mechanical finishing and refinishing,
41.18 and restoring wood products vents emissions to control equipment meeting the requirements
41.19 in subpart 3 at all times the equipment is operating;

41.20 B. operate and maintain the control equipment as required by the manufacturer's
41.21 specifications and part 7008.0200, item D;

41.22 C. ensure that opacity from the control-equipment exhaust does not exceed 20
41.23 percent opacity when venting externally;

41.24 D. when emissions are vented externally, check the control-equipment exhaust
41.25 for any visible emissions once each day of operation during daylight hours except during

42.1 inclement weather. If visible emissions are observed for longer than six minutes, the owner
42.2 or operator must:

42.3 (1) inspect the control equipment; and

42.4 (2) take corrective actions, including repairing or replacing control-equipment
42.5 components when necessary; and

42.6 E. inspect the control equipment once each calendar quarter or more frequently
42.7 according to the manufacturer's specification; and

42.8 F. perform the hood evaluation in subpart 4, item D, if the owner or operator:

42.9 (1) chooses to comply with the requirements in subpart 1, item D, subitem
42.10 (2); or

42.11 (2) uses the certified hood values in subpart 5.

42.12 Subp. 3. **Control requirements.** The owner or operator of a woodworking facility
42.13 must comply with the applicable requirements for control equipment in items A to C.

42.14 A. ~~The owner or operator of a woodworking facility must comply with the~~
42.15 ~~applicable requirement for control equipment in items B to F.~~ The owner or operator of a
42.16 woodworking facility that chooses to comply with the emission limit for particulate matter
42.17 in subpart 1, item D, must install, operate, and maintain control equipment designed to
42.18 control emissions of particulate matter on all wood-product manufacturing, mechanical
42.19 finishing and refinishing, and restoring equipment.

42.20 B. The owner or operator of a woodworking facility that chooses to comply with
42.21 the requirements in subpart 1, item D, subitem (1), must ensure all emissions from
42.22 wood-product manufacturing, mechanical finishing and refinishing, and restoring equipment
42.23 are vented to control equipment through a total enclosure and must:

43.1 B- (1) if the aggregate exhaust airflow rate from all wood-product manufacturing,
43.2 mechanical finishing and refinishing, and restoring equipment is less than or equal to 17,000
43.3 standard cubic feet per minute, ~~the owner or operator of a woodworking facility must install,~~
43.4 operate, and maintain control equipment designed to emit particulate matter in a concentration
43.5 less than or equal to 0.03 grains per standard cubic foot of exhaust gas on all wood-product
43.6 manufacturing, mechanical finishing and refinishing, and restoring equipment;

43.7 C- (2) if the aggregate exhaust airflow rate from all wood-product manufacturing,
43.8 mechanical finishing and refinishing, and restoring equipment is greater than 17,000 standard
43.9 cubic feet per minute ~~but~~ and less than or equal to 26,000 standard cubic feet per minute,
43.10 ~~the owner or operator of a woodworking facility must install, operate, and maintain control~~
43.11 equipment designed to emit particulate matter in a concentration less than or equal to 0.02
43.12 grains per standard cubic foot of exhaust gas on all wood-product manufacturing, mechanical
43.13 finishing and refinishing, and restoring equipment;

43.14 D- (3) if the aggregate exhaust airflow rate from all wood-product manufacturing,
43.15 mechanical finishing and refinishing, and restoring equipment is greater than 26,000 standard
43.16 cubic feet per minute ~~but~~ and less than or equal to 53,000 standard cubic feet per minute,
43.17 ~~the owner or operator of a woodworking facility must install, operate, and maintain control~~
43.18 equipment designed to emit particulate matter in a concentration less than or equal to 0.01
43.19 grains per standard cubic foot of exhaust gas on all wood-product manufacturing, mechanical
43.20 finishing and refinishing, and restoring equipment;

43.21 E- (4) if the aggregate exhaust airflow rate from all wood-product manufacturing,
43.22 mechanical finishing and refinishing, and restoring equipment is greater than 53,000 standard
43.23 cubic feet per minute ~~but~~ and less than or equal to 106,000 standard cubic feet per minute,
43.24 ~~the owner or operator of a woodworking facility must install, operate, and maintain control~~
43.25 equipment designed to emit particulate matter in a concentration less than or equal to 0.005

44.1 grains per standard cubic foot of exhaust gas on all wood-product manufacturing, mechanical
44.2 finishing and refinishing, and restoring equipment; or

44.3 F. (5) if the aggregate exhaust airflow rate from all wood-product manufacturing,
44.4 mechanical finishing and refinishing, and restoring equipment is greater than 106,000
44.5 standard cubic feet per minute but and less than or equal to 177,000 standard cubic feet per
44.6 minute, the owner or operator of a woodworking facility must install, operate, and maintain
44.7 control equipment designed to emit particulate matter in a concentration less than or equal
44.8 to 0.003 grains per standard cubic foot of exhaust gas on all wood-product manufacturing,
44.9 mechanical finishing and refinishing, and restoring equipment.

44.10 C. The owner or operator of a woodworking facility that chooses to comply with
44.11 the requirements in subpart 1, item D, subitem (2), must ensure all emissions from
44.12 wood-product manufacturing, mechanical finishing and refinishing, and restoring equipment
44.13 are vented to control equipment through a certified hood or total enclosure and must:

44.14 (1) if the aggregate exhaust airflow rate from all wood-product manufacturing,
44.15 mechanical finishing and refinishing, and restoring equipment is less than or equal to 8,000
44.16 standard cubic feet per minute, install, operate, and maintain control equipment designed
44.17 to emit particulate matter in a concentration less than or equal to 0.03 grains per standard
44.18 cubic foot of exhaust gas on all wood-product manufacturing, mechanical finishing and
44.19 refinishing, and restoring equipment;

44.20 (2) if the aggregate exhaust airflow rate from all wood-product manufacturing,
44.21 mechanical finishing and refinishing, and restoring equipment is greater than 8,000 standard
44.22 cubic feet per minute and less than or equal to 12,000 standard cubic feet per minute, install,
44.23 operate, and maintain control equipment designed to emit particulate matter in a concentration
44.24 less than or equal to 0.02 grains per standard cubic foot of exhaust gas on all wood-product
44.25 manufacturing, mechanical finishing and refinishing, and restoring equipment;

45.1 (3) if the aggregate exhaust airflow rate from all wood-product manufacturing,
45.2 mechanical finishing and refinishing, and restoring equipment is greater than 12,000 standard
45.3 cubic feet per minute and less than or equal to 24,000 standard cubic feet per minute, install,
45.4 operate, and maintain control equipment designed to emit particulate matter in a concentration
45.5 less than or equal to 0.01 grains per standard cubic foot of exhaust gas on all wood-product
45.6 manufacturing, mechanical finishing and refinishing, and restoring equipment;

45.7 (4) if the aggregate exhaust airflow rate from all wood-product manufacturing,
45.8 mechanical finishing and refinishing, and restoring equipment is greater than 24,000 standard
45.9 cubic feet per minute and less than or equal to 48,000 standard cubic feet per minute, install,
45.10 operate, and maintain control equipment designed to emit particulate matter in a concentration
45.11 less than or equal to 0.005 grains per standard cubic foot of exhaust gas on all wood-product
45.12 manufacturing, mechanical finishing and refinishing, and restoring equipment; or

45.13 (5) if the aggregate exhaust airflow rate from all wood-product manufacturing,
45.14 mechanical finishing and refinishing, and restoring equipment is greater than 48,000 standard
45.15 cubic feet per minute and less than or equal to 80,000 standard cubic feet per minute, install,
45.16 operate, and maintain control equipment designed to emit particulate matter in a concentration
45.17 less than or equal to 0.003 grains per standard cubic foot of exhaust gas on all wood-product
45.18 manufacturing, mechanical finishing and refinishing, and restoring equipment.

45.19 Subp. 4. **Record keeping.** The owner or operator of a woodworking facility ~~must~~
45.20 ~~maintain:~~

45.21 A. must maintain a record of inspection, maintenance, and repair activities
45.22 performed pursuant to the manufacturer's specifications for the control equipment;

45.23 B. ~~records for each calendar year of~~ must maintain a written list of all wood-product
45.24 manufacturing, mechanical finishing and refinishing, and restoring equipment and ovens
45.25 for curing or drying wood products on site that contains:

46.1 (1) the design airflow rate from the control equipment associated with each
46.2 wood-product manufacturing, mechanical finishing and refinishing, and restoring equipment;

46.3 (2) the manufacturer's design particulate matter concentration from each
46.4 control equipment installed;

46.5 (3) if the manufacturer's design particulate matter concentration is not used
46.6 for the calculation method in subpart 5, the default concentration value used for each control
46.7 equipment installed; and

46.8 (4) the heat input capacity of each fuel-burning oven used for curing or drying
46.9 wood products.

46.10 ~~C. records for each calendar year of the manufacturer's design particulate matter~~
46.11 ~~concentration from each control equipment installed; and~~

46.12 ~~D. C. must maintain~~ records of the date and time of each visible emission check
46.13 and whether or not any visible emissions were observed;

46.14 D. if the owner or operator chooses to comply with the emission limit for
46.15 particulate matter in subpart 1, item D, must maintain records for each calendar year of the
46.16 hours operated for the control equipment associated with each wood-product manufacturing,
46.17 mechanical finishing and refinishing, and restoring equipment; and

46.18 E. if the emissions from wood-product manufacturing, mechanical finishing and
46.19 refinishing, and restoring equipment are vented to the control equipment through a hood,
46.20 may evaluate, on a form provided by the commissioner, whether the hood conforms to the
46.21 design and operating practices recommended in "Industrial Ventilation - A Manual of
46.22 Recommended Practice, American Conference of Governmental Industrial Hygienists."
46.23 The manual is incorporated by reference under part 7011.0061. An owner or operator that
46.24 performs this evaluation must:

47.1 (1) maintain at the stationary source records of the evaluation of each hood
47.2 and certification required in part 7011.0072, subpart 2; and

47.3 (2) record each month the fan rotation speed, fan power draw, face velocity,
47.4 or other comparable airflow indicator for each hood.

47.5 Subp. 5. Calculating emissions of particulate matter. The owner or operator that
47.6 chooses to comply with the emission limit for particulate matter in subpart 1, item D, must
47.7 calculate emissions of particulate matter from each wood-product manufacturing, mechanical
47.8 finishing and refinishing, and restoring equipment according to the following equations:

47.9
$$E = E_C + E_U$$

47.10
$$E_C = OP \times EF \times Q_{Air} \times (1 \text{ lb}/7,000 \text{ grains}) \times (60 \text{ minutes}/1 \text{ hour})$$

47.11
$$E_U = R \times E_C$$

47.12 Where:

47.13 E = actual emissions from the wood-product manufacturing, mechanical
47.14 finishing and refinishing, or restoring equipment, in pounds per calendar year.

47.15 E_C = actual emissions from the control equipment, in pounds per calendar
47.16 year.

47.17 E_U = actual emissions that are uncaptured by the control equipment, in pounds
47.18 per calendar year.

47.19 OP = hours of operations of the control equipment per calendar year.

47.20 EF = design concentration for particulate matter from the control equipment,
47.21 in grains per standard cubic foot, but if the manufacturer's design value is
47.22 unknown, then the default value is 0.07 grains per standard cubic foot for
47.23 cyclones or 0.03 grains per standard cubic foot for fabric filters.

48.1 Q_{Air} = design airflow rate from the control equipment, in standard cubic feet
48.2 per minute.

48.3 R = the ratio of emissions that are uncaptured by the control equipment to the
48.4 emissions that are captured and controlled by the control equipment. When
48.5 emissions are captured through a total enclosure and vented to any type of
48.6 control equipment, the value of R is 0. When emissions are captured through
48.7 a certified hood, the value of R is 3.57 when vented to a fabric filter or 1.14
48.8 when vented to a cyclone or other type of control equipment. When emissions
48.9 are captured through an uncertified hood, the value of R is 14.29 when vented
48.10 to a fabric filter or 4.54 when vented to a cyclone or other type of control
48.11 equipment.

48.12 Subp. 5 6. **Notification.**

48.13 A. If the owner or operator of a woodworking facility covered by a permit issued
48.14 under parts 7007.0050 to 7007.1850 intends to operate without a permit according to this
48.15 chapter, the owner or operator must:

48.16 (1) request that the commissioner void the permit issued under parts 7007.0050
48.17 to 7007.1850 for the stationary source before operating under this chapter; and

48.18 (2) notify the commissioner in a format specified by the commissioner.

48.19 B. The owner or operator of a woodworking facility not described in item A must
48.20 notify the commissioner in a format specified by the commissioner within 90 120 days after
48.21 the effective date of this part or within 90 120 days after beginning to operate a woodworking
48.22 facility.

48.23 C. The notification required under this subpart must contain:

48.24 (1) the owner's name;

- 49.1 (2) the operator's name, if different than the owner's name;
- 49.2 (3) the facility name and address; and
- 49.3 (4) the manufacturer's design particulate matter concentration and airflow
- 49.4 rate from each control equipment installed or, if the facility ~~is not completed~~ has not been
- 49.5 in operation for one calendar year, the anticipated manufacturer's design particulate matter
- 49.6 concentration and airflow rate from each control equipment.

49.7 **7008.2600 INSIGNIFICANT FACILITY; TECHNICAL STANDARDS.**

49.8 **Subpart 1. Eligibility.**

49.9 A. To be eligible to operate without a permit under this chapter, the owner or

49.10 operator of an insignificant facility must comply with this part and part 7008.2000.

49.11 B. The insignificant facility must have only emissions units that:

- 49.12 (1) are listed as insignificant activities in part 7007.1300, subpart 2 or 3;
- 49.13 (2) are conditionally insignificant activities; or
- 49.14 (3) qualify under subitems (1) and (2).

49.15 C. The owner or operator of an insignificant facility must limit the number of

49.16 emissions units at the facility so that potential emissions from the facility are less than the

49.17 thresholds in this item, calculated according to subpart 4:

- 49.18 (1) total HAP emissions - 10 tons per year;
- 49.19 (2) NO_x emissions - 100 tons per year;
- 49.20 (3) SO₂ emissions - 50 tons per year;
- 49.21 (4) particulate matter emissions - 100 tons per year;
- 49.22 (5) PM-10 emissions - 25 tons per year;

50.1 (6) VOC emissions - 100 tons per year;

50.2 (7) CO emissions - 100 tons per year;

50.3 (8) Pb emissions - 0.50 tons per year; and

50.4 (9) CO₂e emissions - 100,000 tons per year.

50.5 Subp. 2. **Operational requirements.** The owner or operator of an insignificant facility
50.6 must ensure that:

50.7 A. emissions units at the facility comply with all applicable requirements, as
50.8 defined in part 7007.0100, subpart 7; and

50.9 B. conditionally insignificant activities at the facility comply with parts 7008.4000
50.10 to 7008.4110.

50.11 Subp. 3. **Record keeping.**

50.12 A. The owner or operator of an insignificant facility must maintain a record of all
50.13 emissions units and the Minnesota Rules citation that defines each emissions unit as an
50.14 insignificant activity or conditionally insignificant activity.

50.15 B. The records must be permanently kept on site at the facility or central office
50.16 and be readily available for the commissioner to examine and copy.

50.17 Subp. 4. **Calculating emissions.** The owner or operator of an insignificant facility
50.18 must calculate emissions to determine eligibility under this part as provided in this subpart.
50.19 The owner or operator must:

50.20 A. use the electronic spreadsheet "Insignificant Facility PTE" provided by the
50.21 commissioner to identify the number of emissions units and the Minnesota Rules citation
50.22 that defines each emissions unit as an insignificant activity or conditionally insignificant
50.23 activity to determine potential emissions from the insignificant facility. The "Insignificant
50.24 Facility PTE" electronic spreadsheet is incorporated by reference, is not subject to frequent

51.1 change, and is available on the agency's Web site at
51.2 <https://www.pca.state.mn.us/regulations/minnesota-rulemaking>; or

51.3 B. calculate the facility's potential emissions as defined in part 7005.0100, subpart
51.4 35a, except that emissions caused by activities described in part 7007.1300, subpart 2, must
51.5 not be considered in the calculation of potential emissions.

51.6 **7008.4000 CONDITIONALLY INSIGNIFICANT ACTIVITIES.**

51.7 A. If operated in compliance with this part and parts 7008.4100 and 7008.4110,
51.8 the activities and operation of the emissions units listed in parts 7008.4100 and 7008.4110
51.9 are insignificant activities for purposes of parts 7007.0100 to 7007.1850. Listing in part
51.10 7008.4100 or 7008.4110 has no effect on any other law, including laws enforced by the
51.11 agency other than parts 7007.0100 to 7007.1850, to which the activity may be subject.

51.12 B. If a permit is required under chapter 7007:

51.13 (1) the emissions units described in parts 7008.4100 and 7008.4110 must be
51.14 listed in a permit application; and

51.15 (2) calculation of emissions from these emissions units must be provided if
51.16 required by the agency under part 7007.0500, subpart 2, item C, subitem (2).

51.17 C. Calculation of emissions from the emissions units described in parts 7008.4100
51.18 and 7008.4110 must be provided in a permit application for a part 70 permit or an amendment
51.19 to a part 70 permit.

51.20 D. The emissions units described in parts 7008.4100 and 7008.4110 must be listed
51.21 in a permit application, and calculation of emissions from these emissions units must be
51.22 provided in the permit application if the emissions units:

51.23 (1) are subject to additional requirements under section 114(a)(3) of the act
51.24 (Monitoring Requirements) or section 112 of the act (Hazardous Air Pollutants);

52.1 (2) are part of a Title I modification; or

52.2 (3) if accounted for, make a stationary source subject to a part 70 permit.

52.3 **7008.4100 CONDITIONALLY INSIGNIFICANT ACTIVITY; MATERIAL USAGE.**

52.4 *[For text of subp 1, see M.R.]*

52.5 Subp. 2. **Material usage limits.** The owner or operator must limit emissions from all
52.6 material usage as provided in items A and B at the stationary source to qualify as a
52.7 conditionally insignificant activity under this part.

52.8 A. VOCs. The owner or operator must limit VOC emissions to less than 10,000
52.9 pounds, or VOC-containing material usage to less than 1,000 gallons, in each calendar year.
52.10 Pounds of VOC emissions must be calculated according to the method in subpart 4. All
52.11 VOC emissions from all material usage activities at the stationary source must be accounted
52.12 for in the annual calculation. This limit applies regardless of the hazardous air pollutant
52.13 content of the VOC.

52.14 B. Particulate matter. The owner or operator must limit emissions of particulate
52.15 matter to less than 8,000 pounds in each calendar year, calculated according to the method
52.16 in subpart 5. All particulate matter emissions from all material usage activities at the
52.17 stationary source must be accounted for in the annual calculation. This limit applies regardless
52.18 of the hazardous air pollutant content of the particulate matter.

52.19 Subp. 3. **Record keeping.** The owner or operator of a stationary source claiming
52.20 material usage as a conditionally insignificant activity must:

52.21 *[For text of items A to E, see M.R.]*

52.22 F. if requested by the commissioner, calculate and record for any of the previous
52.23 five calendar years:

52.24 (1) the VOC emissions using the method in subpart 4;

53.1 (2) the particulate matter emissions using the method in subpart 5;

53.2 *[For text of subitems (3) and (4), see M.R.]*

53.3 Subp. 4. **Calculating VOC emissions.** An owner or operator claiming material usage
53.4 as a conditionally insignificant activity must calculate VOC emissions using one of the
53.5 methods in item A or B. If the owner or operator ships waste material from material usage
53.6 activities off-site for recycling, the amount of VOC recycled may be subtracted from the
53.7 amount of VOC calculated in item A or B:

53.8 A. pounds of VOC emissions per calendar year equal gallons of VOC-containing
53.9 material purchased or used in a calendar year multiplied by the pounds of VOC per gallon;
53.10 or

53.11 B. pounds of VOC emissions per calendar year equal pounds of VOC-containing
53.12 material purchased or used in a calendar year multiplied by weight percent of VOC per
53.13 gallon.

53.14 Subp. 5. **Calculating particulate matter emissions.**

53.15 A. An owner or operator claiming material usage as a conditionally insignificant
53.16 activity must calculate particulate matter emissions using one of the following methods:

53.17 (1) pounds of particulate matter emissions per calendar year equal gallons of
53.18 solids-containing material purchased or used in a calendar year multiplied by the pounds
53.19 of solids per gallon; or

53.20 (2) pounds of particulate matter emissions per calendar year equal pounds of
53.21 solids-containing material purchased or used in a calendar year multiplied by weight percent
53.22 of solids per gallon.

53.23 B. For material usage activities that involve spray application of materials, the
53.24 owner or operator may apply a transfer efficiency in the calculation of particulate matter

54.1 emissions by multiplying the result determined in item A by (1 - transfer efficiency). The
54.2 owner or operator may also apply a control efficiency, alone or in addition to the transfer
54.3 efficiency, in calculating emissions of particulate matter by multiplying the result determined
54.4 in item A by (1 - control efficiency). The control efficiency used in this calculation must
54.5 be determined according to part 7011.0070 for listed control equipment and may be used
54.6 only if the owner or operator is in compliance with parts 7011.0060 to 7011.0080.

54.7 **7008.4110 CONDITIONALLY INSIGNIFICANT ACTIVITY; MECHANICAL**
54.8 **FINISHING OPERATIONS.**

54.9 Subpart 1. **Applicability.** This part applies to the owner or operator of a stationary
54.10 source claiming mechanical finishing operations that emit only particulate matter as a
54.11 conditionally insignificant activity. To qualify as a conditionally insignificant activity under
54.12 this part, all mechanical finishing operations at the stationary source must be included in
54.13 the limits under subpart 2. If lead is a component of any mechanical finishing operation at
54.14 the stationary source, this part does not apply. All particulate matter is considered filterable
54.15 particulate matter under this part.

54.16 Subp. 2. **Requirements.** The owner or operator of a stationary source claiming
54.17 mechanical finishing operations as a conditionally insignificant activity must:

54.18 A. install, operate, and maintain control equipment designed to control emissions
54.19 of particulate matter on the mechanical finishing operations; and

54.20 B. limit emissions of particulate matter from all mechanical finishing operations
54.21 to less than 10,000 pounds in each calendar year, calculated according to the method in
54.22 subpart 4. All emissions of particulate matter from all mechanical finishing operations at
54.23 the stationary source must be accounted for in the annual calculation.

54.24 Subp. 3. **Monitoring and record keeping.** The owner or operator of a stationary
54.25 source claiming mechanical finishing operations as a conditionally insignificant activity
54.26 must:

- 55.1 A. must operate the control equipment as required by the manufacturer's
55.2 specification and part 7008.0200, item D;
- 55.3 B. must inspect the control equipment once each calendar quarter or more
55.4 frequently according to the manufacturer's specification;
- 55.5 C. must maintain the control equipment according to the manufacturer's
55.6 specification;
- 55.7 D. must maintain a record of inspection, maintenance, and repair activities and
55.8 the manufacturer's inspection, maintenance, and repair specifications for the control
55.9 equipment for at least five years;
- 55.10 E. must maintain records for each calendar year of the hours operated for the
55.11 control equipment associated with each mechanical finishing operation;
- 55.12 F. must maintain records for each calendar year of the design airflow rate from
55.13 the control equipment associated with each mechanical finishing operation; and
- 55.14 G. if the default value is not used, must maintain records for each calendar year
55.15 of the manufacturer's design concentration for particulate matter from the control equipment
55.16 associated with each mechanical finishing operation; and
- 55.17 H. if the emissions from mechanical finishing operations are vented to the control
55.18 equipment through a hood, may evaluate, on a form provided by the commissioner, whether
55.19 the hood conforms to the design and operating practices recommended in "Industrial
55.20 Ventilation - A Manual of Recommended Practice, American Conference of Governmental
55.21 Industrial Hygienists," in order to use the certified hood values in subpart 4. The manual is
55.22 incorporated by reference under part 7011.0061. An owner or operator that performs this
55.23 evaluation must:
- 55.24 (1) if a permit is required under chapter 7007, include with the permit
55.25 application the certification required in part 7011.0072, subpart 2;

56.1 (2) maintain at the stationary source records of the evaluation of each hood;
56.2 and

56.3 (3) record each month the fan rotation speed, fan power draw, face velocity,
56.4 or other comparable airflow indicator for each hood.

56.5 Subp. 4. **Calculating emissions of particulate matter.** The owner or operator claiming
56.6 mechanical finishing operations as a conditionally insignificant activity must calculate
56.7 emissions of particulate matter from each control equipment mechanical finishing operation
56.8 according to the following equation equations:

56.9
$$E = E_C + E_U$$

56.10
$$E \ E_C = OP \times EF \times Q_{Air} \times (1 \text{ lb}/7,000 \text{ grains}) \times (60 \text{ minutes}/1 \text{ hour})$$

56.11
$$E_U = R \times E_C$$

56.12 Where:

56.13 E = actual emissions from the mechanical finishing operation, in pounds per
56.14 calendar year.

56.15 E E_C = actual emissions from the control equipment, in pounds per calendar
56.16 year.

56.17 E_U = actual emissions that are uncaptured by the control equipment, in pounds
56.18 per calendar year.

56.19 OP = hours of operations of the control equipment per calendar year.

56.20 EF = design concentration for particulate matter from the control equipment,
56.21 in grains per standard cubic foot, but if the manufacturer's design value is
56.22 unknown, then the default value is 0.07 grains per standard cubic foot for
56.23 cyclones or 0.03 grains per standard cubic foot for fabric filters.

57.1 Q_{Air} = design airflow rate from the control equipment, in standard cubic feet
57.2 per minute.

57.3 R = the ratio of emissions that are uncaptured by the control equipment to the
57.4 emissions that are captured and controlled by the control equipment. When
57.5 emissions are captured through a total enclosure and vented to any type of
57.6 control equipment, the value of R is 0. When emissions are captured through
57.7 a certified hood, the value of R is 3.57 when vented to a fabric filter or 1.14
57.8 when vented to a cyclone or other type of control equipment. When emissions
57.9 are captured through an uncertified hood, the value of R is 14.29 when vented
57.10 to a fabric filter or 4.54 when vented to a cyclone or other type of control
57.11 equipment.

57.12 **7011.0561 CONTROLLING MERCURY FROM ELECTRIC GENERATING UNITS.**

57.13 *[For text of subps 1 to 3, see M.R.]*

57.14 Subp. 4. **Performance standards for mercury emissions.** Unless the commissioner
57.15 establishes an alternative mercury emissions reduction under Minnesota Statutes, section
57.16 216B.687, the owners or operators of coal-fired electric generating units that do not qualify
57.17 for the exemption under subpart 3 must control mercury emissions as described in this
57.18 subpart.

57.19 *[For text of items A to C, see M.R.]*

57.20 *[For text of subps 5 to 10, see M.R.]*

57.21 **7011.1201 DEFINITIONS.**

57.22 *[For text of subps 1 to 42a, see M.R.]*

57.23 Subp. 43. **Refuse-derived fuel or RDF.** "Refuse-derived fuel" or "RDF" has the
57.24 meaning given in Minnesota Statutes, section 115A.03, subdivision 25d.

58.1 *[For text of subps 43a to 50, see M.R.]*

58.2 **7011.2300 STANDARDS OF PERFORMANCE FOR STATIONARY INTERNAL**
58.3 **COMBUSTION ENGINES.**

58.4 *[For text of subp 1, see M.R.]*

58.5 **Subp. 2. Sulfur dioxide.**

58.6 A. An owner or operator of a stationary internal combustion engine must not allow
58.7 any gases that contain sulfur dioxide in excess of 0.5 pounds per million Btu actual heat
58.8 input to be discharged into the atmosphere from the engine unless an alternative emission
58.9 limit for sulfur dioxide in an air emission permit or other enforceable document is used to
58.10 demonstrate modeled compliance with the sulfur dioxide standards in parts 7009.0080 and
58.11 7009.0090.

58.12 B. No later than January 31, 2018, owners or operators of a stationary internal
58.13 combustion engine must not allow any gases that contain sulfur dioxide in excess of 0.0015
58.14 pounds per million Btu actual heat input to be discharged into the atmosphere from the
58.15 engine unless an alternative sulfur dioxide emission limit in an air emission permit or other
58.16 enforceable document is used to demonstrate modeled compliance with the sulfur dioxide
58.17 standards in parts 7009.0080 and 7009.0090.

58.18 *[For text of subp 3, see M.R.]*

58.19 **7019.3020 CALCULATION OF ACTUAL EMISSIONS FOR EMISSION**
58.20 **INVENTORY.**

58.21 A. Emissions from all emissions units must be reported in the annual emissions
58.22 inventory report in a format specified by the commissioner. Emissions from insignificant
58.23 activities listed in part 7007.1300, subpart 2, must not be reported. Emissions from
58.24 insignificant activities listed in part 7007.1300, subparts 3 and 4, and conditionally
58.25 insignificant activities listed in part 7008.4000 must be reported if the commissioner or

59.1 owner or operator has determined that emissions from those activities are not insignificant
59.2 for purposes of permitting under parts 7007.0100 to 7007.1850 or for those activities required
59.3 to be quantified by a facility issued a capped permit option 1. Notwithstanding the previous
59.4 sentence, the commissioner may request an inventory of fugitive emissions from roads and
59.5 parking lots, defined as insignificant under part 7007.1300, subpart 3, item G, upon
59.6 determining that emissions from these sources represent a substantial portion of the facility's
59.7 total emissions.

59.8 *[For text of items B to H, see M.R.]*

59.9 **REPEALER.** Minnesota Rules, parts 7008.0100, subparts 2a and 5; and 7008.2250, are
59.10 repealed.

November 28, 2018

VIA EMAIL ONLY

Nancy Breerns
Secretary of State, Elections Division
180 State Office Building
100 Rev Dr Martin Luther King Jr Blvd
St. Paul, Minnesota 55155-1299
official.documents@state.mn.us

**Re: *In the Matter of the Proposed Amendments to Rules of the Minnesota
Pollution Control Agency Governing Air Quality*
OAH 5-9003-35024; Revisor R-4429**

Dear Ms. Breerns:

Enclosed for filing is an electronic copy of the above-entitled adopted rules.

Please send the agency copy of the rules to:

Mary H. Lynn
Principal Planner
Minnesota Pollution Control Agency
520 Lafayette Rd N
Saint Paul, MN 55155

If you have any questions regarding this matter, please contact Katie Lin at (651) 361-7911, katie.lin@state.mn.us or facsimile at (651) 539-0310.

Sincerely,

/s/ Lisa Armstrong

LISA ARMSTRONG
Legal Assistant

Enclosures

cc: Mary H. Lynn (via email)