

a. Prior to September 1, 1994 was exempt from the requirements of sub. (3) (b) to (g) under sub. (2) (c), or

b. Prior to September 1, 1994 was exempt from the requirements of sub. (4) (c) under sub. (2) (d), or

c. Prior to September 1, 1994 was exempt from the requirements of sub. (5) (c) under sub. (2) (e), or

d. Prior to September 1, 1994 was exempt from the requirements of sub. (6) (a) 2. under sub. (2) (f).

2. The owner or operator of any source identified under subd. 1. shall achieve final compliance with the applicable requirements as soon as practicable, but no later than September 15, 1995.

(c) *Wipe cleaning operations.* 1. This paragraph applies only to a facility which is in existence on September 1, 1994 and which is subject to the requirements of sub. (7) as of September 1, 1994.

2. The owner or operator of any source identified under subd. 1. shall achieve final compliance with the requirements of sub. (7) as soon as practicable, but no later than May 15, 1996.

(9) **EQUIVALENT CONTROL.** Any equivalent control system approved by the department under sub. (3) (d) 3. or (j), (4) (c) 5. or (p), (5) (c) 3., (6) (a) 2. b. or (7) (d) 3. shall be submitted to, and will not become effective for federal purposes until approved by, the administrator of the U.S. environmental protection agency or designee as a source-specific revision to the department's state implementation plan for ozone.

(10) **RECORDKEEPING.** This subsection applies only to facilities located in Kenosha, Kewaunee, Manitowoc, Milwaukee, Ozaukee, Racine, Sheboygan, Washington or Waukesha county. As of September 1, 1994, each owner or operator of a degreasing operation that is exempt from the requirements of subs. (3) to (7), under sub. (2) (c) to (g), shall collect and record the information specified in this paragraph, as appropriate to support the exemption. The following information shall be maintained on the facility premises for a minimum of 3 years and shall be made available upon request to an authorized department representative at any time during normal working hours:

(a) A unique name or identification number for each degreaser or wipe cleaning operation.

(b) The volume of solvent used or added per day for each individual degreaser or wipe cleaning operation, in units of gallons.

(c) The VOC emissions, in units of pounds or kilograms per day, from each individual degreaser or wipe cleaning operation.

(d) The density of the solvent used, in units of pounds per gallon.

(e) The VOC content of the solvent, expressed as percent by volume.

**History:** Renum. from NR 154.13 (6) (a) and am. Register, September, 1986, No. 369, eff. 10-1-86.; am. (1), (2)(a)(intro.), 2. and (e), (5)(intro.) and (e), cr. (2)(f) and (6), Register, January, 1988, No. 385, eff. 2-1-88; am. (2) (a) (intro.) and (c) and (3) (d) 1., Register, February, 1990, No. 410, eff. 3-1-90; am. (2) (a) 1. and (f), a. (7), Register, December, 1993, No. 456, eff. 1-1-94; am. (1), (2) (a) (intro.), (3) (a) (intro.) and (g) 4., (4) (intro.), (c) 2., (i) and (m), (5) (intro.), (c) 1. and (g), (6) (a) (intro.) and 7., renum. (7) to be (9) and am., cr. (2)

(intro.), (g), (h), (3) (h) to (j), (4) (n) to (q), (5) (h) to (j), (6) (a) 8. and 9., (7), (8) and (10), r. and recr. (2) (c) to (f), Register, August, 1994, No. 464, eff. 9-1-94.

**NR 423.04 Perchloroethylene dry cleaning.** (1) **APPLICABILITY.** This section applies, subject to the provisions of s. NR 425.03, to all dry cleaning facilities in which perchloroethylene solvent is used.

(2) **EXEMPTIONS.** The requirements of sub. (3) (a) do not apply to perchloroethylene dry cleaning facilities which provide satisfactory documentation to the department showing that an adsorber cannot be accommodated because of inadequate space or because insufficient steam capacity is available to desorb adsorbers. Any exemption determination made by the department under this subsection shall be submitted to, and will not become effective for federal purposes until approved by, the administrator of the U.S. environmental protection agency or designee as a source-specific revision to the department's state implementation plan for ozone.

(3) **REQUIREMENTS.** Except as provided under sub. (2), the owner or operator of a perchloroethylene dry cleaning facility shall:

(a) Vent the entire dryer exhaust through:

1. A carbon adsorption system which may emit no more than 100 ppm of VOC, before dilution;

2. An emission control system complying with s. NR 468.20 (3), provided that any carbon adsorption system used under s. NR 468.20 (3) is operated in accordance with subd. 1.; or

3. An alternative VOC emission control system demonstrated to achieve an equivalent VOC emission reduction as approved by the department.

(b) Maintain the facility so as to prevent leakage of organic solvent from any components in the system and repair any leaks immediately;

(c) Cook or treat all diatomaceous earth filters so that the residue contains 25 kilograms or less of VOCs per 100 kilograms of wet waste material;

(d) Reduce the VOC content of all solvent still waste to 60 kilograms or less per 100 kilograms of wet waste material;

(e) Drain all filtration cartridges, in the filter housing or other sealed container, for at least 24 hours before discarding the cartridges;

(f) If transferring cartridges to another sealed container, make such transfer without permitting any solvent to be spilled; and

(g) When possible, dry all drained cartridges without emitting VOCs to the atmosphere.

**History:** Renum. from NR 154.13 (6) (b) and am. Register, September, 1986, No. 369, eff. 10-1-86; am. (2), Register, December, 1993, No. 456, eff. 1-1-94; am. (3) (a) 1., renum. (3) (a) 2. to be (3) (a) 3., cr. (3) (a) 2., Register, June, 1995, No. 474, eff. 7-1-95.

**NR 423.05 Petroleum liquid solvent dry cleaning.** (1) **APPLICABILITY.** This section applies, subject to the provisions of s. NR 425.03, to petroleum liquid solvent washers, dryers, solvent filters, settling tanks, vacuum stills, piping, ductwork, pumps, storage tanks, and other containers

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and conveyors of petroleum liquid solvent that are used in a petroleum liquid solvent dry cleaning facility which:

(a) Has maximum theoretical emissions of VOCs from the facility greater than or equal to 25 tons per year and which is located in the county of Kenosha, Milwaukee, Ozaukee, Racine, Washington or Waukesha, or

(b) Has maximum theoretical emissions of VOCs from the facility greater than or equal to 100 tons per year and which is located in the county of Door, Kewaunee, Manitowoc, Sheboygan or Walworth.

(2) REQUIREMENTS. (a) The owner or operator of a petroleum liquid solvent dry cleaning facility shall limit VOC emissions from each petroleum liquid solvent dry cleaning dryer to an average of 3.5 kilograms per 100 kilograms, dry weight, of articles cleaned, or install and operate a solvent recovery dryer in a manner such that the dryer remains closed and the recovery phase continues until the flow rate of recovered solvent no longer exceeds 50 milliliters per minute.

(b) The owner or operator of a petroleum liquid solvent dry cleaning facility shall reduce the VOC content of all filtration wastes to not more than 1.0 kilogram per 100 kilograms, dry weight, of articles cleaned before disposing of such wastes or exposing them to the atmosphere, or install and operate a cartridge filtration system, and drain the filter cartridges in their sealed housings for at least 8 hours before removing them.

(c) The owner or operator of a petroleum liquid solvent dry cleaning facility shall repair all solvent vapor and liquid leaks within 3 working days of their discovery. If necessary repair parts are not on hand, the owner or operator shall order them within 3 working days following discovery of solvent vapor or liquid leaks and repair the leaks within 3 working days following receipt of the parts.

(3) COMPLIANCE SCHEDULES. (a) This subsection applies only to a petroleum liquid dry cleaning facility in existence on January 1, 1994 and:

1. Located in the county of Door, Kewaunee, Manitowoc, Sheboygan or Walworth, or

2. Located in the county of Kenosha, Milwaukee, Ozaukee, Racine, Washington or Waukesha and which was not subject to this section prior to January 1, 1994.

(b) The owner or operator of any source identified under par. (a) shall:

1. Notify the department's bureau of air management in writing by April 1, 1994. This notification shall provide the name and location of the affected facility and include VOC emission data if necessary to support eligibility under this subsection.

2. Achieve final compliance with the requirements of this section no later than May 31, 1995.

History: Renum. from NR 154.13 (6) (c) and am. Register, September, 1986, No. 369, eff. 10-1-86; am. (1), Register, February, 1990, No. 410, eff. 3-1-90; renum. (1) to be (1) (intro.) and am., cr. (1) (a) and (b) and (3), Register, December, 1993, No. 456, eff. 1-1-94.

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