



CR87-71

State of Wisconsin

DEPARTMENT OF NATURAL RESOURCES

Carroll D. Besadny
Secretary

BOX 7921
MADISON, WISCONSIN 53707

File Ref:

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STATE OF WISCONSIN)
DEPARTMENT OF NATURAL RESOURCES)

TO ALL TO WHOM THESE PRESENTS SHALL COME, GREETINGS:

I, Bruce B. Braun, Deputy Secretary of the Department of Natural Resources and custodian of the official records of said Department, do hereby certify that the annexed copy of Natural Resources Board Order No. AM-17-87 was duly approved and adopted by this Department on September 17, 1987. I further certify that said copy has been compared by me with the original on file in this Department and that the same is a true copy thereof, and of the whole of such original.

IN TESTIMONY WHEREOF, I have here-
unto set my hand and affixed the
official seal of the Department at
the Natural Resources Building in
the City of Madison, this 12th
day of November, 1987.


Bruce B. Braun, Deputy Secretary

(SEAL)

2-1-88

ORDER OF THE STATE OF WISCONSIN
NATURAL RESOURCES BOARD
AMENDING AND CREATING RULES

.....
In the Matter of amending ss. NR 423.02(4),)
423.03(1), (2)(a)(intro.) and 2. and (e),)
and (5)(intro.) and (e); and creating)
ss. NR 423.02(3m), 423.03(2)(f) and (6) of)
the Wisconsin Administrative Code relating)
to organic compound emissions limitations)
for conveyorized vapor degreasers and)
conveyorized non-vapor degreasers.)
.....)

AM-17-87

Analysis Prepared by the Department of Natural Resources

Statutory authority: ss. 144.31, 144.38 and 227.11(2)(a), Stats.

Statutes interpreted: s. 144.31(1)(f), Stats., and revise the State Implementation Plan (SIP) developed under that provision.

These rules correct inadequacies which exist in Wisconsin's air management rules for the control of organic compound emissions from conveyorized degreasers. The current rules are applicable to both general types of conveyorized degreasers (vapor and non-vapor) and are intended to represent Reasonably Available Control Technology (RACT), but they impose organic compound emission control requirements for non-vapor units which are not reasonable. Existing RACT requirements pertaining to conveyorized vapor degreasers will be retained, and RACT requirements pertaining to conveyorized non-vapor degreasers will be redefined.

SECTION 1. NR 423.02(3m) is created to read:

NR 423.02(3m) "Conveyorized non-vapor degreasing" means the continuous process of cleaning and removing soils from metal surfaces by operating with non-vaporized solvents.

SECTION 2. NR 423.02(4) is amended to read:

NR 423.02(4) "Conveyorized vapor degreasing" means the continuous process of cleaning and removing soils from metal surfaces by operating with either-~~or~~-vaporized solvents.

SECTION 3. NR 423.03(1) is amended to read:

NR 423.03(1) APPLICABILITY. This section applies, with a final compliance deadline of May 1, 1980, or as provided by a compliance schedule issued or approved pursuant to s. NR 425.03(5), to cold cleaning, open top vapor degreasing and conveyORIZED vapor degreasing operations. This section also applies, with a compliance schedule provided pursuant to s. NR 423.03(6), to conveyORIZED non-vapor degreasing operations.

SECTION 4. NR 423.03(2)(a)(intro.) is amended to read:

NR 423.03(2)(a) This section does not apply to individual cold cleaners to which not more than 5.7 liters (1.5 gallons) of solvent is added per day or to individual open top vapor ~~or~~, conveyORIZED vapor or conveyORIZED non-vapor degreasers whose emissions of VOC's are not more than 6.8 kilograms (15 pounds) in any one day, nor more than 1.4 kilograms (3 pounds) in any one hour, provided:

SECTION 5. NR 423.03(2)(a)2. is amended to read:

NR 423.03(2)(a)2. The emission rates from open top vapor and conveyORIZED vapor degreasers are determined and certified before October 1, 1979 in a manner approved by the department, and the emission rates from conveyORIZED non-vapor degreasers are determined and certified before May 1, 1988 in a manner approved by the department.

SECTION 6. NR 423.03(2)(e) is amended to read:

NR 423.03(2)(e) The requirements of sub. (5)(c) do not apply to conveyORIZED vapor degreasers with an air-vapor interface smaller than 2.0 square meters (21.6 square feet).

SECTION 7. NR 423.03(2)(f) is created to read:

NR 423.03(2)(f) The requirements of sub. (6)(a)2. do not apply to conveyORIZED non-vapor degreasers with a total horizontal solvent - air interface smaller than 2.0 square meters (21.6 square feet), where such an interface exists, or to conveyORIZED non-vapor degreasers which are located outside the counties of Brown, Calumet, Dane, Dodge, Fond du Lac, Jefferson, Kenosha, Manitowoc, Milwaukee, Outagamie, Ozaukee, Racine, Rock, Sheboygan, Walworth, Washington, Waukesha and Winnebago.

SECTION 8. NR 423.03(5) (title) and (intro.) are amended to read:

NR 423.03(5) (title) CONVEYORIZED VAPOR DEGREASERS. Except as provided under sub. (2)(a), (b) and (e), the owner or operator of a conveyORIZED vapor degreaser shall:

SECTION 9. NR 423.03(5)(e) is amended to read:

NR 423.03(5)(e) Place downtime covers over entrances and exits of conveyORIZED vapor degreasers immediately after the conveyors and exhausts are shut down and not remove them until just before start-up; and

SECTION 10. NR 423.03(6) is created to read:

NR 423.03(6) CONVEYORIZED NON-VAPOR DEGREASERS. (a) Control requirements. Except as provided under sub. (2)(a), (b) and (f), the owner or operator of a conveyORIZED non-vapor degreaser shall:

1. Minimize entrance and exit openings during operation so that no opening dimension exceeds the smallest physically possible by more than 20 centimeters (8 inches) or by more than 20% of the opening dimension, whichever is smaller;

2. Install and operate one of the following control systems:

a. A carbon adsorption system demonstrated to have at least a 95% control efficiency, as measured across the carbon adsorption equipment and averaged over a complete adsorption cycle; or

b. A system, demonstrated to have a control efficiency equivalent to or greater than that described in subpar. a., and approved by the department;

3. Provide downtime covers for closing off the entrance and exit during shutdown hours;

4. Place downtime covers over the entrances and exits of conveyORIZED non-vapor degreasers immediately after the conveyors and exhausts are shut down and not remove them until just before start-up;

5. Minimize carryout emissions by:

a. Use of rollers to remove excess solvent in strip cleaning operations;

or

b. Arranging parts for best drainage in mesh belt cleaning operations and other conveyORIZED non-vapor degreasing operations;

6. Store waste solvent in covered containers and not dispose of waste solvents or transfer it to another person in such a way as to cause greater than 15% of the waste solvent (by weight) to evaporate into the ambient air during the ozone season; and

7. Repair solvent leaks immediately, or shut down the degreaser until the leaks are repaired.

(b) Compliance schedule. The owner or operator of a conveyORIZED non-vapor degreaser subject to the control requirements of par. (a)2. shall meet the following schedule:

1. Submit plans for achieving compliance on or before December 31, 1987.

2. Award any necessary contracts on or before January 31, 1988.

3. Commence construction of control equipment on or before February 28, 1988.

4. Complete construction of control equipment on or before March 31, 1988.

5. Achieve final compliance on or before May 1, 1988.

The foregoing rules were approved and adopted by the State of Wisconsin Natural Resources Board on Sept. 17, 1987.

The rule shall take effect on the first day of the month following publication in the Wisconsin administrative register as provided in s. 227.22(2)(intro.), Stats.

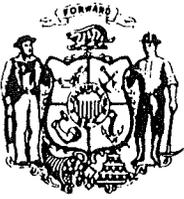
Dated at Madison, Wisconsin, November 12, 1987.

STATE OF WISCONSIN DEPARTMENT OF NATURAL RESOURCES

By Carroll D. Besadny
Carroll D. Besadny, Secretary

(SEAL)

8241R



State of Wisconsin

DEPARTMENT OF NATURAL RESOURCES

Carroll D. Besadny
Secretary

BOX 7921
MADISON, WISCONSIN 53707

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File Ref:

November 12, 1987

Mr. Orlan L. Prestegard
Revisor of Statutes
Suite 702
30 W. Mifflin Street

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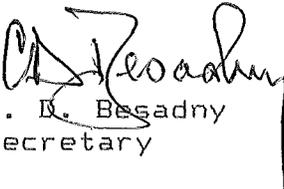
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Dear Mr. Prestegard:

Enclosed are two copies, including one certified copy, of State of Wisconsin Natural Resources Board Order No. AM-17-87. These rules were reviewed by the Assembly Committee on Environmental Resources and Utilities and the Senate Committee on Urban Affairs, Energy, Environmental Resources and Elections pursuant to s. 227.19, Stats. A summary of the final regulatory flexibility analysis and comments of the legislative review committees is also enclosed.

You will note that this order takes effect following publication. Kindly publish it in the Administrative Code accordingly.

Sincerely,



C. D. Besadny
Secretary

Enc.