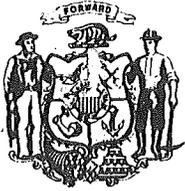


CR 83-62



State of Wisconsin

DEPARTMENT OF NATURAL RESOURCES

Carroll D. Besadny
Secretary

BOX 7921
MADISON, WISCONSIN 53707

RECEIVED

STATE OF WISCONSIN)
)
DEPARTMENT OF NATURAL RESOURCES) ss

OCT 4 1983
8:30 am
Revisor of Statutes
Bureau

TO ALL TO WHOM THESE PRESENTS SHALL COME, GREETINGS:

I, Carroll D. Besadny, 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. A-12-83 was duly approved and adopted by this Department on July 27, 1983. 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 hereunto set my hand and affixed the official seal of the Department at General Executive Facility #2 in the City of Madison, this 27th day of September, 1983.

Carroll D. Besadny

Carroll D. Besadny, Secretary

(SEAL)

2689I

12-1-83

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

.....
IN THE MATTER OF amending ss. NR 154.01(63)
and 154.13(12)(a),(b),(d),(g) 3. and 4., and (h) and
creating ss. NR 154.01(38m) and (178m) and
154.13(6)(c) of the Wisconsin Administrative Code
pertaining to the establishment of limits on
emissions of organic compounds from certain petroleum
liquid solvent dry cleaning facilities.
.....

A-12-83

Analysis Prepared by the Department of Natural Resources

These rules establish organic compound emission limits which represent Reasonably Available Control Technology (RACT) for large, existing petroleum liquid solvent dry cleaning facilities located in Kenosha, Milwaukee, Ozaukee, Racine, Washington and Waukesha Counties.

Under the federal Clean Air Act all areas of the nation were to meet the National Ambient Air Quality Standards (NAAQS) by December 31, 1982, although areas which could not meet the Ozone or Carbon Monoxide NAAQS by this date could obtain an extension to December 31, 1987 if certain conditions were met by the state in revising its air pollution control program. The revised programs have to include RACT emission limits for various types of sources of volatile organic compounds located in areas needing the extension.

The U.S. Environmental Protection Agency conditionally granted the time extension for Wisconsin's southeastern counties. The department has already adopted RACT limits for 24 categories of sources. In December of 1978 the Natural Resources Board approved a resolution committing the agency to adopt additional RACT limits in the future.

These rules require existing petroleum dry cleaning facilities affected by the RACT limits to meet those limits according to a compliance schedule which varies in length depending on the pollution control strategy chosen by the owner or operator. A variance from the schedule or the RACT limits may be sought under s. NR 154.02, Wis. Adm. Code, if compliance is infeasible. New sources subject to the RACT limits are expected to meet them upon start-up unless it would be technologically infeasible, in which case a compliance schedule similar to those for existing sources could be granted.

Only one existing source will be affected by these rules.

Pursuant to the authority vested in the State of Wisconsin Natural Resources Board by ss. 144.31(1)(a), (e) and (f), 144.38 and 227.014(2), Stats., the State of Wisconsin Natural Resources Board hereby amends and creates rules interpreting s. 144.31(1)(f), Stats., and revising the State Implementation Plan (SIP) developed under that provision, as follows:

SECTION 1. NR 154.01(38m) is created to read:

(38m) "Cartridge filter" means a perforated canister containing filtration paper or activated carbon, or both, that is used to remove solid particles and fugitive dyes from soil-laden solvent.

SECTION 2. NR 154.01(63) is amended to read:

(63) "Dry cleaning facility" means any facility engaged in the cleaning of fabrics or leather in an essentially nonaqueous solvent by means of one or more washes in solvent, extraction of excess solvent by spinning, and drying by tumbling in an airstream. The facility includes but is not limited to any washer, dryer, filter and purification systems, waste disposal systems, holding tanks, pumps, and attendant piping and valves.

SECTION 3. NR 154.01(178m) is created to read:

(178m) "Solvent recovery dryer" means a dry cleaning dryer that employs a condenser to liquefy and recover solvent vapors evaporated in a closed-loop, recirculating stream of heated air.

SECTION 4. NR 154.13(6)(c) is created to read:

(c) Petroleum liquid solvent dry cleaning. 1. 'Applicability'.
Effective January 1, 1984, this paragraph applies, subject to the provisions of sub. (12), to petroleum liquid solvent washers, dryers, solvent filters, settling tanks, vacuum stills, piping, ductwork, pumps, storage tanks, and

other containers and conveyors of petroleum liquid solvent that are used in petroleum liquid solvent dry cleaning facilities which have total emissions of VOCs from the facility of more than 100 tons per year and which are located within the counties of Kenosha, Milwaukee, Ozaukee, Racine, Washington, or Waukesha.

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.

SECTION 5. NR 154.13(12)(a), (b) and (d) are amended to read:

(a) Applicability exceptions. Paragraphs (b) through (h) do not apply to a source which is in compliance with the emission limitations of this section, provided the source has determined and certified compliance to the satisfaction of the department within 90 days after the date specified in subd. 1., 2., ~~or~~, 3. or 4., nor do pars. (b) through (g) apply to a source on which construction or modification commenced on or after the specified date. Sources on which construction or modification commenced on or after the date specified in subd. 1., 2., ~~or~~, 3. or 4., shall meet the emission requirements of this section in accordance with the provisions of par. (h).

1. The date of August 1, 1979, applies to all sources covered under subs. (2) (a) 1.c., (3) (a) 1.a., (3) (b) 1.a., (3) (c) 1.a., (4) (c) 1., (4) (d) 1., (4) (e) 1., (4) (f) 1., (4) (g) 1., (4) (h) 1., (4) (i) 1., (4) (j) 1., (6) (a) 1., (7) (a) 1., (7) (b) 1., and (7) (c) 1.

2. The date of April 1, 1981, applies to all sources covered under subs. (2) (a) 1.d., (2) (b) 1., (3) (a) 1.b., (3) (b) 1.b., (3) (c) 1.b., (3) (e) 1., (4) (k) 1., (4) (l) 1., (4) (m) 1., (6) (b) 1., (7) (d) 1., and (9) (a) 1.

3. The date of August 31, 1981, applies to all sources covered under sub. (8) (a) 1.

4. The date of January 1, 1984 applies to all sources covered under sub. (6)(c) 1.

(b) Process and emission control equipment installations. 1. Except as provided under par. (e) and sub. (13), the owner or operator of a VOC emission source proposing to install and operate VOC emission control equipment or replacement process equipment to comply with the emission limiting

c. Commence construction or installation of equipment modifications within 10 months.

d. Complete construction or installation of equipment modifications within 16 months.

e. Achieve final compliance within 20 months of the date specified in par. (a) 1. ~~or~~, 2. or 4. for that source.

2. Any owner or operator of a source subject to the compliance schedule of subd. 1. shall certify to the department, within 7 days after the deadline for each increment of progress, whether the required increment of progress has been achieved.

SECTION 6. NR 154.13 (12)(g) 3. and 4. are amended to read:

3. Process lines covered under subs. (2)(a) 1.d., (2)(b) 1., (3)(a) 1.b., (3)(b) 1.b., (3)(c) 1.b., (3)(e) 1., (4)(k) 1., (4)(l) 1., (4)(m) 1., (6)(b) 1., (6)(c) 1., (7)(d) 1., (8)(a) 1., and (9)(a) 1. on which construction or modification commenced on or after August 1, 1979 but before April 1, 1981, shall continue to comply with the requirements of sub. (11)(a) 2.b. during any interim period prior to the final compliance date in the applicable compliance schedule.

4. Process lines covered under sub. (8)(a) 1. on which construction or modification commenced on or after April 1, 1981 but before August 31, 1981, and process lines covered under sub. (6)(c) 1. on which construction or modification commenced on or after April 1, 1981 but before January 1, 1984 shall continue to comply with the requirements of sub. (11)(a) 2.c. during any interim period prior to the final compliance date in the applicable compliance schedule.

requirements of this section shall not exceed the deadlines specified for the following increments of progress as measured from the date specified in par.

(a) 1., 2., ~~or~~ 3. or 4. for that source:

a. Submit final plans for achieving compliance within 5 months.

b. Award contracts for the emission control systems or process equipment or issue orders for purchase of component parts to accomplish emission control within 8 months.

c. Commence construction or installation of the emission control system or process equipment within 13 months.

d. Complete construction or installation of the emission control system or process equipment within 25 months.

e. Achieve final compliance within 26 months of the date specified in par. (a) 1., 2., ~~or~~ 3. or 4. for that source.

2. Any owner or operator of a source subject to the compliance schedule of subd. 1. shall certify to the department, within 7 days after the deadline for each increment of progress, whether the required increment of progress has been achieved.

(d) Equipment modification. 1. Except as provided under par. (e) and sub. (13), the owner or operator of a VOC source proposing to comply with the requirements of this section by modification of existing processing or emission control equipment shall not exceed the deadlines specified for the following increments of progress as measured from the date specified in par.

(a) 1., ~~or~~ 2. or 4. for that source:

a. Submit final plans for achieving compliance ~~with~~ within 5 months.

b. Award contracts for equipment modifications or issue orders for the purchase of component parts to accomplish equipment modifications within 7 months.

SECTION 7. NR 154.13 (12)(h) is amended to read:

(h) New and modified sources. Any source on which construction or modification commenced on or after the date specified for such source in par. (a) 1., 2., 3. or 4. shall meet the emission limitations of this section upon start-up unless the owner or operator of the source demonstrates, to the satisfaction of the department, that compliance upon start-up would be technologically infeasible. Such sources shall instead meet a department-specified compliance schedule which provides for interim emission limitations and for ultimate compliance with the emission limitations of this section. Ultimate compliance shall be as soon as practicable but in no event later than the date the source would have been required to meet under par. (b), (c), (d), or (f) if it had been constructed or modified prior to the date specified in par. (a) 1., 2. ~~or~~ 3. or 4.

The foregoing rules were approved and adopted by the State of Wisconsin Natural Resources Board on July 27, 1983.

The rules contained herein shall take effect as provided in s. 227.026(1)(intro.), Stats.

Dated at Madison, Wisconsin September 27, 1983

STATE OF WISCONSIN DEPARTMENT OF NATURAL RESOURCES

By Carroll D. Besadny
Carroll D. Besadny, Secretary

(SEAL)



State of Wisconsin

DEPARTMENT OF NATURAL RESOURCES

Carroll D. Besadny
Secretary

BOX 7921
MADISON, WISCONSIN 53707

STATE OF WISCONSIN)
)
DEPARTMENT OF NATURAL RESOURCES) SS

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MAR 29 1984
4:00 PM
Revisor of Statutes
Bureau

TO ALL TO WHOM THESE PRESENTS SHALL COME, GREETINGS:

I, Carroll D. Besadny, Secretary of the Department of Natural Resources and custodian of the official records of said Department, do hereby certify that the annexed copy of pages 2, 4 and 6 of Natural Resources Board Order No. A-12-83 was duly approved and adopted by this Department on July 27, 1983. I further certify that said copy is the form approved by the legislative review committees pursuant to s. 227.018, Stats., and that said copy has been compared by me with the corrected original on file in this Department and that the same is a true copy thereof.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the official seal of the Department at General Executive Facility #2 in the City of Madison, this 26th day of March, 1984.

(SEAL)

Carroll D. Besadny
Carroll D. Besadny, Secretary

6-1-84 - corrections

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MAR 29 1984

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Bureau

SECTION 1. NR 154.01(38m) is created to read:

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(178m) "Solvent recovery dryer" means a dry cleaning dryer that employs a condenser to liquefy and recover solvent vapors evaporated in a closed-loop, recirculating stream of heated air.

SECTION 4. NR 154.13(6)(c) is created to read:

(c) Petroleum liquid solvent dry cleaning. 1. 'Applicability'.

Effective December 1, 1983, this paragraph applies, subject to the provisions of sub. (12), to petroleum liquid solvent washers, dryers, solvent filters, settling tanks, vacuum stills, piping, ductwork, pumps, storage tanks, and

SECTION 5. NR 154.13(12)(a), (b) and (d) are amended to read:

(a) Applicability exceptions. Paragraphs (b) through (h) do not apply to a source which is in compliance with the emission limitations of this section, provided the source has determined and certified compliance to the satisfaction of the department within 90 days after the date specified in subd. 1., ~~2.-0F~~, 3. or 4., nor do pars. (b) through (g) apply to a source on which construction or modification commenced on or after the specified date. Sources on which construction or modification commenced on or after the date specified in subd. 1., ~~2.-0F~~, 3. or 4., shall meet the emission requirements of this section in accordance with the provisions of par. (h).

1. The date of August 1, 1979, applies to all sources covered under subs. (2) (a) 1.c., (3) (a) 1.a., (3) (b) 1.a., (3) (c) 1.a., (4) (c) 1., (4) (d) 1., (4) (e) 1., (4) (f) 1., (4) (g) 1., (4) (h) 1., (4) (i) 1., (4) (j) 1., (6) (a) 1., (7) (a) 1., (7) (b) 1., and (7) (c) 1.

2. The date of April 1, 1981, applies to all sources covered under subs. (2) (a) 1.d., (2) (b) 1., (3) (a) 1.b., (3) (b) 1.b., (3) (c) 1.b., (3) (e) 1., (4) (k) 1., (4) (l) 1., (4) (m) 1., (6) (b) 1., (7) (d) 1., and (9) (a) 1.

3. The date of August 31, 1981, applies to all sources covered under sub. (8) (a) 1.

4. The date of December 1, 1983 applies to all sources covered under sub. (6)(c) 1.

(b) Process and emission control equipment installations. 1. Except as provided under par. (e) and sub. (13), the owner or operator of a VOC emission source proposing to install and operate VOC emission control equipment or replacement process equipment to comply with the emission limiting

c. Commence construction or installation of equipment modifications within 10 months.

d. Complete construction or installation of equipment modifications within 16 months.

e. Achieve final compliance within 20 months of the date specified in par. (a) 1. ~~or~~, 2. or 4. for that source.

2. Any owner or operator of a source subject to the compliance schedule of subd. 1. shall certify to the department, within 7 days after the deadline for each increment of progress, whether the required increment of progress has been achieved.

SECTION 6. NR 154.13 (12)(g) 3. and 4. are amended to read:

3. Process lines covered under subs. (2)(a) 1.d., (2)(b) 1., (3)(a) 1.b., (3)(b) 1.b., (3)(c) 1.b., (3)(e) 1., (4)(k) 1., (4)(l) 1., (4)(m) 1., (6)(b) 1., (6)(c) 1., (7)(d) 1., (8)(a) 1., and (9)(a) 1. on which construction or modification commenced on or after August 1, 1979 but before April 1, 1981, shall continue to comply with the requirements of sub. (11)(a) 2.b. during any interim period prior to the final compliance date in the applicable compliance schedule.

4. Process lines covered under sub. (8)(a) 1. on which construction or modification commenced on or after April 1, 1981 but before August 31, 1981, and process lines covered under sub. (6)(c) 1. on which construction or modification commenced on or after April 1, 1981 but before December 1, 1983 shall continue to comply with the requirements of sub. (11)(a) 2.c. during any interim period prior to the final compliance date in the applicable compliance schedule.