

Chapter NR 425

COMPLIANCE SCHEDULES, EXCEPTIONS, REGISTRATION  
AND DEFERRALS FOR ORGANIC COMPOUND EMISSION  
SOURCES IN CHS. NR 419 TO 424

NR 425.01	Applicability; purpose	NR 425.04	Exceptions, registrations and nonzone season allowances
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**NR 425.01 Applicability; purpose.** (1) **APPLICABILITY.** This chapter applies to all air contaminant sources governed by chs. NR 419 to 424 and to their owners and operators.

(2) **PURPOSE.** This chapter is adopted under ss. 144.31 and 144.38, Stats., to establish time schedules for air contaminant sources governed by chs. NR 419 to 424 to meet the emission limits set for each specific organic compound emission source, to specify exceptions to the requirements of chs. NR 419 to 424, to establish an internal offset system, to establish criteria for granting compliance schedule delays and to create a registration requirement for the use of specified organic compounds.

**History:** Cr. Register, September, 1986, No. 369, eff. 10-1-86; am. (1) and (2), Register, February 1990, No. 410, eff. 3-1-90.

**NR 425.02 Definitions.** In addition to the definitions in this section, the definitions contained in chs. NR 400, 419, 420 and 421 apply to the terms used in this chapter.

(1) "Energy intensive control device" means an air pollution control device or system which consumes energy at a rate in excess of what would be required to heat the exhaust gas stream from 70°F to 800°F, taking into account energy recovered in the form of heat or organic compounds.

(2) "Hydrophobic substrate" means any substrate that is resistant to or avoids wetting. This may include but is not limited to polyethylene, polypropylene, cellophane, metalized polyester, nylon, and mylar.

**History:** Renum. from NR 154.01, Register, September, 1986, No. 369, eff. 10-1-86; am. (intro.), Register, February, 1990, No. 410, eff. 3-1-90.

**NR 425.03 Compliance schedules.** (1) **EFFECTIVE DATES.** Subsections (2) to (8) do not apply to a source which is in compliance with the emission limitations of chs. NR 419 to 424, provided the source has determined and certified compliance to the satisfaction of the department within 90 days after the date specified in the effective date table, nor do subs. (2) to (7) 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 the effective date table shall meet the emission requirements of chs. NR 419 to 424 in accordance with the provisions of sub. (8).

## Effective Date Table

The effective date listed under the DATE column applies to the requirements outlined in all sections listed in the SECTION column to the right of the effective date in this TABLE.

DATE	SECTION
8-1-79	420.03 (5), 420.04 (1) (b), (c) and (f), (2) (b), (c) 1. and 2., (d), (e) and (h), (3) (b) 1 and 2, (c), (e), (f), (g) 1 and 2, (h) and (i), 420.05 (1) to (3), 422.05 to 422.08, 422.09 to 422.12 and 423.03
7-1-80	420.03 (4)
4-1-81	420.03 (6) and (7), 420.04 (1) (d) and (e), (2) (f) and (g), (3) (d) and (g) 3, (4) (b), 420.05 (4), 421.03 (1) to (3), 421.04, 422.13, 422.14, 422.15 and 423.04
10-1-81	420.04 (1) (g), (2) (c) 3 and (3) (b) 3
12-1-83	423.05
2-1-87	422.085

(2) PROCESS AND EMISSION CONTROL EQUIPMENT INSTALLATIONS. (a) Except as provided under sub. (5) and s. NR 425.04, 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 requirements of chs. NR 419 to 424 may not exceed the deadlines specified for the following increments of progress as measured from the date specified in the effective date table for that source:

1. Submit final plans for achieving compliance within 5 months.
2. 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.
3. Commence construction or installation of the emission control system or process equipment within 13 months.
4. Complete construction or installation of the emission control system or process equipment within 25 months.
5. Achieve final compliance within 26 months of the date specified in the effective date table for that source.

(b) Any owner or operator of a source subject to the compliance schedule of par. (a) 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.

(3) LOW SOLVENT CONTENT COATING OR INK. (a) Except as provided under pars. (b) to (e) and subs. (5) and (7m), the owner or operator of a VOC source proposing to employ low solvent content coating or ink application technology to comply with the requirements of chs. NR 419 to 424 may not exceed the deadlines specified for the following increments of progress as measured from the date specified in the effective date table for that source:

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

2. Complete research and development work on low solvent content coatings or inks within 14 months.

3. Complete evaluation of product quality and commercial acceptability within 18 months.

4. Issue purchase orders for low solvent content coatings or inks and process modifications within 19 months.

5. Commence process modifications within 21 months.

6. Complete process modifications and begin the use of low solvent content coatings or inks within 27 months.

7. Achieve final compliance within 28 months of the date specified in the effective date table for that source.

(b) The owner or operator of a can coating or flexible packaging facility proposing to employ low solvent content coating technology to comply with the requirements of s. NR 422.05 (2) (d) or 422.07 (2) may exceed each of the deadlines in par. (a) 2. to 7. by 12 months in developing acceptable can end sealing compounds or coatings for hydrophobic flexible packaging substrates.

(c) The owner or operator of a graphic arts facility proposing to employ low solvent content ink application technology to comply with the requirements of s. NR 422.14 may, for hydrophobic substrates, extend the date for achieving final compliance to December 31, 1985, provided:

1. Final plans for achieving compliance are submitted by September 1, 1981;

2. The plans include the increments of progress described in par. (a) 2. to 6;

3. Sufficient documentation is submitted to justify the extension; and

4. The plans provide for final compliance by December 31, 1985 through the use of an emission reduction system described in s. NR 422.14 (2) (c) and (3) in case the product quality and commercial acceptability evaluation shows low solvent content ink application technology to be unsatisfactory.

(d) The owner or operator of a miscellaneous metal parts and products coating facility proposing to employ low solvent content coating technology to comply with the requirements of s. NR 422.15 may, for extreme performance coatings requiring prolonged product quality evaluation periods, extend final compliance provided:

1. Final plans for achieving compliance are submitted by September 1, 1981;

2. The plans include the increments of progress described in par. (a) 2. to 6.;

3. Sufficient documentation is submitted to justify the extension; and

4. Final compliance is extended to accommodate the prolonged evaluation period but in no case beyond December 31, 1985.

(e) Where the department determines that the low solvent content coating or ink application technology has been sufficiently researched

and developed for a particular application, the owner or operator of a VOC source proposing to comply with the requirements of chs. NR 419 to 424 through application of low solvent content coatings or inks may not exceed the deadlines specified for the following increments of progress as measured from the date specified in the effective date table for that source:

1. Submit final plans for achieving compliance within 5 months.
2. Complete evaluation of product quality and commercial acceptability within 11 months.
3. Issue purchase orders for low solvent content coatings or inks and process modifications within 13 months.
4. Commence process modifications within 15 months.
5. Complete process modifications and begin the use of low solvent content coatings or inks within 20 months.
6. Achieve final compliance within 21 months of the date specified in the effective date table for that source.

(f) Any owner or operator of a stationary source subject to one of the compliance schedules in this subsection 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.

(4) **EQUIPMENT MODIFICATION.** (a) Except as provided under subs. (5) and (7m), the owner or operator of a VOC source proposing to comply with the requirements of chs. NR 419 to 424 by modification of existing processing or emission control equipment may not exceed the deadlines specified for the following increments of progress as measured from the date specified in the effective date table for that source:

1. Submit final plans for achieving compliance within 5 months.
2. Award contracts for equipment modifications or issue orders for the purchase of component parts to accomplish equipment modifications within 7 months.
3. Commence construction or installation of equipment modifications within 10 months.
4. Complete construction or installation of equipment modifications within 16 months.
5. Achieve final compliance within 20 months of the date specified in the effective date table for that source.

(b) Any owner or operator of a source subject to the compliance schedule of par. (a) 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.

(5) **ALTERNATE COMPLIANCE SCHEDULES.** (a) Notwithstanding the deadlines specified in subs. (2) to (4), for any particular source the department may issue or approve a separate compliance schedule with earlier deadlines, if it finds that such a schedule would be feasible, or with later deadlines if it finds that those specified in subs. (2) to (4) would not be feasible. The alternate compliance schedule may be proposed by the

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owner or operator of a VOC source. If the alternate compliance schedule provides later deadlines, the following conditions shall be met:

1. A request for an alternate compliance schedule shall be received by the department within 2 months of the date specified in the effective date table for that source.

2. Final plans for achieving compliance with the requirements of chs. NR 419 to 425 shall be submitted within 5 months of the date specified in the effective date table for that source.

3. The alternative compliance schedule shall include the same increments of progress as the schedule it is to replace.

4. Sufficient documentation and certification from appropriate suppliers, contractors, manufacturers, or fabricators shall be submitted by the owner or operator to justify the new deadlines proposed for the increments of progress.

(b) All alternate compliance schedules proposed or promulgated under this subsection shall provide for compliance of the source with the requirements of chs. NR 419 to 424 as expeditiously as practicable but not later than December 31, 1982 or, where the owner or operator proposes to comply through development of a new surface coating which is subject to approval by a federal agency, not later than December 31, 1985.

(c) Any schedule approved under this subsection may be revoked at any time if the source does not meet the deadlines specified for the increments of progress. Upon any such revocation the applicable schedule under subs. (2) to (4) shall be in effect.

(6) PHASED EMISSION REDUCTION SCHEDULES. (a) This subsection applies only to sources covered under ss. NR 422.09 and 422.15 (3).

(b) Except as provided under sub. (7m), the owner or operator of a source required to undertake a phased compliance program may not exceed the following deadlines:

1. Plans for the program of phased compliance shall be submitted within 12 months of the date specified in the effective date table for that source.

2. The compliance plan shall specify increments of progress with such deadlines as necessary to meet interim compliance dates specified in the applicable rule.

3. Final compliance shall be on or before the date specified in the applicable rule or approved compliance plan, but not later than December 31, 1987.

(7) FINAL COMPLIANCE PLANS. (a) If the department finds any compliance plan submitted under this chapter to be unsatisfactory, it may require that the plan be resubmitted with appropriate revisions.

(b) Process lines subject to requirements of this chapter on which construction or modification commenced on or before August 1, 1979 shall continue to comply with the requirements of s. NR 424.03 (2) (a) during any interim period prior to the final compliance date in the applicable compliance schedule.

(c) Process lines covered under ss. NR 420.03 (6), 420.04 (1) (d), (e) and (g), (2) (c) 3., (f) and (g), (3) (b) 3., (d) and (g) 3., 420.05 (4), 421.03 (1) to (3), 421.04, 422.13 to 422.15, 423.04 and 423.05, 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 s. NR 424.03 (2) (b) during any interim period prior to the final compliance date in the applicable compliance schedule.

Note: The reference to s. NR 424.03 (2) (b) refers to that section as it existed prior to its repeal on May 1, 1989.

(d) Process lines covered under s. NR 421.04 on which construction or modification commenced on or after April 1, 1981 but before August 31, 1981, and process lines covered under s. NR 423.05 (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 s. NR 424.03 (2) (c) during any interim period prior to the final compliance date in the applicable compliance schedule.

Note: The reference to s. NR 424.03 (2) (c) refers to that section as it existed prior to May 1, 1989. As of May 1, 1989, s. NR 424.03 (2) (c) was renumbered to be s. NR 424.03 (2) (b) and amended.

(e) Where a source is not subject to requirements of this chapter and was previously unregulated under chs. NR 419 to 424, the final compliance plan shall specify reasonable measures to minimize emissions of VOCs during the interim period prior to the final compliance date.

(7m) COMPLIANCE SCHEDULE DELAYS. Notwithstanding any compliance schedule approved or issued under this section, the department may approve a new compliance schedule which provides additional time for completion of an increment of progress, provided:

(a) That the owner or operator of the source is able to document to the department's satisfaction that the source is unable to meet the applicable deadline under this section for the increment of progress due to circumstances beyond the owner or operator's control which could not reasonably have been avoided by using all prudent planning;

(b) That final compliance for sources covered under ss. NR 420.03 (5), 420.04 (1) (b), (c) and (f), (2) (b), (c) 1. and 2., (d), (e) and (h), (3) (b) 1. and 2., (e), (f), (g) 1. and 2., (h) and (i), 420.05 (1) to (3), 422.05 to 422.08, 422.10 to 422.12 and 423.03 (3) to (5) is not later than December 31, 1982; and

(c) That final compliance for sources covered under ss. NR 420.03 (6), 420.04 (1) (d), (e) and (g), (2) (c) 3., (f) and (g), (3) (b) 3., (d) and (g) 3., 420.05 (4), 421.03 (1) to (3), 421.04, 422.13 to 422.15 and 423.04 is not later than that required in this section.

(8) NEW AND MODIFIED SOURCES. Any source on which construction or modification commenced on or after the date specified for such source in the effective date table shall meet the emission limitations of chs. NR 419 to 425 upon startup unless the owner or operator of the source demonstrates, to the satisfaction of the department, that compliance upon startup 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 chs. NR 419 to 425. Ultimate compliance shall be as soon as practicable but in no event later than the final compliance date the Register, May, 1992, No. 437

source would have been required to meet under sub. (2), (3), (4) or (6) if it had been constructed or modified prior to the date specified in the effective date table.

(9) **LEATHER COATING.** Notwithstanding the requirements of subs. (2) to (4), the owner or operator of a leather coating facility which proposes to comply with the requirements of s. NR 422.085 by employing any methods contained in s. NR 422.04 may not exceed the deadlines specified in the following increments of progress, as measured from the date specified in the effective date table for that facility:

(a) Submit final plans for achieving compliance within 3 months. These final plans shall include deadlines for achieving the following increments of progress:

1. Award contracts for equipment modifications or issue orders for the purchase of component parts to accomplish equipment modifications;
2. Commence construction or installation of equipment modifications;
3. Complete construction or installation of equipment modifications.

(b) Achieve final compliance not later than December 31, 1987.

(10) **SOURCES OF VOCs WITH VAPOR PRESSURES LESS THAN OR EQUAL TO 0.1 MILLIMETERS OF MERCURY (0.0019 PSIA) AT STANDARD CONDITIONS.** (a) This subsection applies only to sources constructed or last modified before March 1, 1990 which fail to meet an applicable VOC emission limitation of chs. NR 419 to 424 as a result of the amendment to s. NR 400.02 (100) which became effective on March 1, 1990.

(b) The owner or operator of any source subject to this subsection shall:

1. Notify the department's bureau of air management in writing by 90 days after March 1, 1990. This notification shall identify the name and location of the affected facility and the specific coatings and inks used at that facility which are eligible for the compliance extension under this subsection.

2. Achieve final compliance no later than March 1, 1991.

(c) For sources which were subject to an emission limitation under chs. NR 419 to 424 before March 1, 1990, the compliance schedule in par. (b) shall only apply to those coatings or inks which contained organic compounds with a vapor pressure less than or equal to 0.1 millimeters of mercury (0.0019 psia) at standard conditions and which the source relied on to comply with the applicable emission limitation prior to March 1, 1990.

(d) The department may, by order issued under ss. 144.31 (2) (b) and 144.423, Stats., authorize a source not in compliance with an emission limitation prescribed in chs. NR 419 to 424 as a result of the amendment to s. NR 400.02 (100) which became effective on March 1, 1990 to achieve compliance as expeditiously as practicable but not later than March 1, 1993. The department shall hold a public hearing in accordance with its rules prior to authorizing any period of delayed compliance which exceeds 30 days in duration. No order under this subsection may

be issued unless the requirements of s. NR 436.04 (2) (g) and (h) are satisfied.

**History:** Renum. from NR 154.13 (12) (a) (intro.) and (b) to (h) and am. Register, September, 1986, No. 369, eff. 10-1-86; am. (1) table, cr. (9), Register, January, 1987, No. 373, eff. 2-1-87; corrections in (7) made under s. 13.93 (2m) (b) 7, Stats., Register, April, 1989; am. (2) (a) (intro.), (3) (a) (intro.) and (e), (4) (a) (intro.), (6) (b) (intro.), (7) (c) and (d) and (8), am. (7m) as renum. from NR 425.04 (4), cr. (10), Register, February, 1990, No. 410, eff. 3-1-90.

**NR 425.04 Exceptions, registrations and nonzone season allowances.** (1) **EXCEPTIONS.** (a) For sources on which construction or modification commenced before August 1, 1979, the provisions of ss. NR 419.05, 419.06 and 424.03 do not apply to the storage, transfer, use or application of saturated halogenated hydrocarbons, perchloroethylene or acetone.

(b) Except for the provisions of s. NR 419.03 (1) and (2) and sub. (2), the requirements of chs. NR 419 to 425 do not apply to the use or application of insecticides, pesticides or herbicides or to the use or emission of trichlorotrifluoroethane (CFC-113), ethane, methane, methylene chloride or methyl chloroform.

(2) **REGISTRATION OF CERTAIN SOLVENTS.** Any person operating a source which has total combined emissions of methylene chloride and methyl chloroform in excess of 0.50 tons in a calendar year shall register the solvent use with the department by February 1 of the year following such use.

(3) **SPECIALIZED COATINGS.** (a) This subsection applies only to sources subject to s. NR 422.15 which, prior to March 1, 1990, applied specialized coatings required by state or federal agencies on products made for their use.

(b) The owner or operator of any source subject to this subsection shall:

1. Notify the department's bureau of air management in writing by 90 days after March 1, 1990.

2. Achieve final compliance for specialized coatings required by state or federal agencies on products made for their use by March 1, 1991.

(c) The department may, by order issued under ss. 144.31 (2) (b) and 144.423, Stats., authorize a source not in compliance with an emission limitation in s. NR 422.15 for specialized coatings required by state or federal agencies on products made for their use to achieve compliance as expeditiously as practicable but not later than March 1, 1993. The department shall hold a public hearing in accordance with its rules prior to authorizing any period of delayed compliance which exceeds 30 days in duration. No order under this subsection may be issued unless the requirements of s. NR 436.04 (2) (g) and (h) are satisfied.

(d) Notwithstanding par. (b), the owner or operator of a source constructed or modified before March 1, 1990 which fails to meet a VOC emission limitation of s. NR 422.15 because of the amendment to s. NR 422.15 (1) (f), which became effective March 1, 1990, may request a variance from the emission limitation.

1. Any request made under this paragraph shall be made in writing and be received by the department on or before March 1, 1991.



2. The department may grant a variance under this paragraph and set an alternate emission limitation under the criteria and procedures outlined in s. NR 436.05 (2) (c) and (d), (3) and (5).

(4) **LIMITATION OF RESTRICTIONS TO THE OZONE SEASON.** Where the requirements of chs. NR 419 to 425 are met by means of a natural gas fired incinerator, use of the incinerator shall be required only during the ozone season, provided that operation of the incinerator is not required for purposes of occupational health or safety or for the control of toxic or hazardous substances, malodors, or other pollutants regulated by other sections of chs. NR 400 to 499. The provisions of this subsection may be applied, subject to approval of the department, where the requirements of chs. NR 419 to 425 are met by use of other energy intensive control devices.

*History:* Renum. from NR 154.13 (13) and am. Register, September, 1986, No. 369, eff. 10-1-86; corrections in (3) (a), (4) (b) and (c) made under s. 13.93 (2m) (b) 7, Stats., Register, April, 1989; renum. (1), (2), (4), (5) and (6) (b) to be (1) (a) and (b), NR 425.03 (7m), (4) and (2) and am. (1) (a) and (b), NR 425.03 (7m) and (4), r. and recr. (3), r. (6) (a), Register, February, 1990, No. 410, eff. 3-1-90; reprinted to correct (1) (b) and (4), Register, March, 1990, No. 411; am. (2), Register, May, 1992, No. 437, eff. 6-1-92.

**NR 425.05 Internal offsets.** An owner or operator of a surface coating or printing facility subject to ss. NR 422.05 to 422.15 may achieve compliance with the emission limitations in those sections through the use of an internal offset provided the owner or operator has submitted, and the department has approved, an application under sub. (1) or (2). The owner or operator shall specify the subsection under which the application is submitted.

(1) **SOURCE-SPECIFIC SIP REVISION.** (a) *Eligibility.* The department may, by order issued under s. 144.31 (2) (b), Stats., approve an application made under this subsection only if:

1. The construction or modification of each coating or printing line with emissions exceeding an applicable limitation was commenced on or before:

a. August 1, 1979, for sources covered under ss. NR 422.05 (1), 422.06 (1), 422.07 (1), 422.08 (1), 422.09 (1), 422.10 (1), 422.11 (1) and 422.12 (1); and

b. April 1, 1981, for sources covered under ss. NR 422.13 (1), 422.14 (1) and 422.15 (1); and

2. The owner or operator has certified, and the department has confirmed, that the emissions of all air contaminants from all existing sources owned or controlled by the owner or operator in the state, other than VOC emissions from sources specified in subd. 1 for which an application was made under this subsection, are in compliance with or under a schedule for compliance as expeditiously as practicable with all applicable local, state and federal laws and regulations; and

3. The owner or operator has demonstrated to the department's satisfaction that the allowable emission rates in pars. (b) 1 and 2 can be met; and

4. The owner or operator has demonstrated to the department's satisfaction that the requirements of s. NR 439.04 can be met.

(b) *Approval criteria.* Any department approval of an application made under this subsection shall, at a minimum:

1. Establish an allowable emission rate for each of the coating and printing lines involved in the internal offset; and
2. Establish a combined daily allowable emission rate from all coating and printing lines involved in the internal offset equal to:

$$E = \frac{A_1 B_1 C_1}{D_1} + \frac{A_2 B_2 C_2}{D_2} + \dots + \frac{A_n B_n C_n}{D_n}$$

where E = the total allowable emissions from all of the coating and printing lines involved in the internal offset in kilograms (pounds),  $A_{1,2, \dots, n}$  = the allowable emission rate for each coating or printing line pursuant to ss. NR 422.05 to 422.15 in kilograms per liter (pounds per gallon) of coating or ink, excluding water, delivered to the applicator,  $B_{1,2, \dots, n}$  = the amount of coating material or ink in liters (gallons), delivered to the applicator during the actual production day,  $C_{1,2, \dots, n}$  = volume fraction of solids in the coating or ink, delivered to the applicator during the actual production day, and  $D_{1,2, \dots, n}$  = theoretical volume fraction of solids in the coating or ink necessary to meet the allowable emission rate for each coating or printing line pursuant to ss. NR 422.05 to 422.15 calculated from:

$$D_{1,2, \dots, n} = 1 - \frac{A_{1,2, \dots, n}}{P_{1,2, \dots, n}}$$

where  $P_{1,2, \dots, n}$  = the density of the VOC used in the coating or ink delivered to the applicator during the actual production day in kilograms per liter (pounds per gallon). If the coating or ink does not contain any VOCs, or if the actual VOC density cannot be demonstrated by the owner or operator, a value of 0.88 kilograms per liter (7.36 pounds per gallon) shall be used for P; and

3. Establish recordkeeping requirements adequate to determine compliance and consistent with s. NR 439.04.

(c) *Revocation.* The department may, after notice and opportunity for hearing, revoke or modify any internal offset approved under this subsection when any term or condition of the approval has been violated, or for other reasons deemed necessary by the department.

(d) *Additional requirements.* Any internal offset approved under this subsection may not become effective for federal purposes until:

1. It has been submitted to the administrator of the U.S. environmental protection agency pursuant to applicable law, including but not limited to 42 USC s. 7410, as amended, and 40 CFR parts 51 and 52, as amended, and all substantive requirements of the federal law have been met, and
2. It has been approved by the administrator or designee as a revision to the state implementation plan.

Note: In reviewing internal offset approvals, the U.S. environmental protection agency will require that the internal offset meet the criteria of its "Emissions Trading Policy Statement; Register, May, 1992, No. 437

General Principles for Creation, Banking and Use of Emission Reduction Credits", 51 FR 43814, December 4, 1986.

(e) *Relocated lines.* Notwithstanding par. (a) 1, any coating or printing line which is relocated to another facility may comply with the emission limitations in ss. NR 422.05 to 422.15 through an internal offset if:

1. The internal offset applies only to relocated coating or printing lines which had been jointly involved in an internal offset approved under this subsection; and

2. The internal offset involving the relocated lines is approved by the department under the criteria of pars. (a) 2 to 4, (b) and (d).

(2) **GENERIC INTERNAL OFFSETS.** (a) *Eligibility.* The department may, by order issued under s. 144.31 (2) (b), Stats., approve an application made under this subsection only if:

1. Opportunity for public comment has been offered for a 30 day period through public notice, and where requested, a public hearing has been held. The department shall provide the region V office of the U.S. environmental protection agency with a copy of the public notice, the department's technical analysis and the proposed decision by the first day of the public comment period; and

2. The owner or operator has demonstrated to the department's satisfaction that the allowable emission rates in pars. (b) 1 and 2 can be met; and

3. The owner or operator has demonstrated to the department's satisfaction that the requirements of s. NR 439.04 can be met.

(b) *Approval criteria.* Any department approval of an application made under this subsection shall, at a minimum:

1. Establish an allowable emission rate for each of the coating and printing lines involved in the internal offset; and

2. Establish a combined daily allowable emission rate from all coating and printing lines involved in the internal offset equal to:

$$E = Y \frac{A_1 B_1 C_1}{D_1} + \frac{A_2 B_2 C_2}{D_2} + \dots + \frac{A_n B_n C_n}{D_n}$$

where E = the total allowable emissions from all of the coating and printing lines involved in the internal offset in kilograms (pounds), Y = 1 for facilities located in areas designated attainment or unclassified for ozone or in areas designated nonattainment for ozone with a federally approved demonstration of attainment, and Y = 0.8 for facilities located in areas designated nonattainment for ozone and lacking a federally approved demonstration of attainment, A<sub>1,2...n</sub> = the lowest of the allowable emission rate for each coating or printing line pursuant to ss. NR 422.05 to 422.15, or other limitation imposed by permit, order or approval, or the actual emission rate for each coating or printing line, as of the date of the internal offset application, in kilograms per liter (pounds per gallon) of coating or ink, excluding water, delivered to the applicator, B<sub>1,2...n</sub> = the amount of coating material or ink in liters (gallons), delivered to the applicator during the actual production day, C<sub>1,2...n</sub> = volume fraction of solids in the coating or ink, delivered to the applicator

during the actual production day, and  $D_{1,2...n}$  = theoretical volume fraction of solids in the coating or ink necessary to meet the lowest of the allowable emission rate for each coating or printing line pursuant to ss. NR 422.05 to 422.15, or other limitation imposed by permit, order or approval, calculated from:

$$D_{1,2...n} = 1 - \frac{A_{1,2...n}}{P_{1,2...n}}$$

where  $P_{1,2...n}$  = the density of the VOC used in the coating or ink delivered to the applicator during the actual production day in kilograms per liter (pounds per gallon). If the coating or ink does not contain any VOCs, or if the actual VOC density cannot be demonstrated by the owner or operator, a value of 0.88 kilograms per liter (7.36 pounds per gallon) shall be used for P; and

3. Establish recordkeeping requirements adequate to determine compliance and consistent with s. NR 439.04.

(c) *Revocation.* The department may, after notice and opportunity for hearing, revoke or modify any internal offset approved under this subsection when any term or condition of the approval has been violated, or for other reasons deemed necessary by the department.

(d) *Additional requirements.* 1. Notwithstanding s. NR 425.04 (4), to demonstrate compliance under this subsection, actual emissions from all coating and printing lines participating in an internal offset must be less than or equal to allowable emissions as calculated using the equation in par. (b) 2.

2. Emission reductions from shutdowns or production curtailments or which were claimed in the state's federally approved demonstration of attainment, or any subsequent updated demonstration of attainment, may not participate in an internal offset.

3. Coating and printing lines subject to chs. NR 405, 440 or 446 to 449, or a lowest achievable emission rate (LAER) emission limitation, may participate in an internal offset under this subsection only if the owner or operator has certified, and the department has confirmed, that such lines are in compliance with all applicable requirements of those chapters or LAER.

4. Daily VOC emissions in excess of those allowed under ss. NR 422.05 to 422.15 shall be offset through an approval issued under this subsection by VOC emission reductions achieved after an application to use internal offsets has been submitted.

(e) *New or modified lines.* An owner or operator may include in an application under this subsection coating or printing lines constructed or modified after March 1, 1990, on which the owner or operator intends to apply coatings or inks not meeting the applicable emission limitations in ss. NR 422.05 to 422.15, and may apply such coatings or inks under an internal offset approved under this subsection if he or she demonstrates to the department's satisfaction that compliance with the applicable emission limitation on such coating or printing lines is technologically or economically infeasible.

(3) **COMPLIANCE EXTENSIONS.** (a) *Availability.* An owner or operator of a source may request an extension to achieve compliance with the emission limitations of ss. NR 422.05 to 422.15 if the owner or operator demonstrates to the department's satisfaction that it is technologically or economically infeasible for the source to achieve compliance with the applicable emission limitations as a result of the creation of this section which became effective on March 1, 1990. The department may grant a request and authorize the owner or operator, by order issued under s. 144.31 (2) (b), Stats., to achieve compliance with the applicable emission limitation as expeditiously as practicable, but not later than March 1, 1993.

(b) *Extension criteria.* Authorization under par. (a) may not be granted unless the owner or operator had submitted a compliance plan for use of an internal offset under s. NR 425.04 (3) prior to March 1, 1990 and had maintained records to demonstrate compliance under that subsection. In addition, the owner or operator shall submit a proposed schedule which demonstrates reasonable progress towards, and contains a date for, achieving final compliance.

Note: The reference to s. NR 425.04 (3) refers to that section as it existed prior to March 1, 1990. As of March 1, 1990, the internal offset requirements of this chapter were moved from s. NR 425.04 (3) to this section.

(c) *Federal approval.* Any compliance extension authorization under par. (a) may not become effective for federal purposes until:

1. It has been submitted to the administrator of the U.S. environmental protection agency pursuant to applicable law, including but not limited to 42 USC s. 7410, as amended, and 40 CFR parts 51 and 52, as amended, and all substantive requirements of the federal law have been met, and

2. It has been approved by the administrator or designee as a revision to the state implementation plan.

(4) **ENFORCEABILITY.** The emission limitations and conditions of any approval issued under this section are enforceable under s. 144.426, Stats.

History: Cr. Register, February, 1990, No. 410, eff. 3-1-90; reprinted to correct (1) (b) and (2) (b), Register, March, 1990, No. 411; correction in (2) (e) made under s. 13.93 (2m) (b) 5, Stats., Register, July, 1990, No. 415; am. (2) (a) 1., Register, May, 1992, No. 437, eff. 6-1-92.