



CR 84-83

State of Wisconsin

DEPARTMENT OF NATURAL RESOURCES

Carroll D. Besadny  
Secretary

BOX 7921  
MADISON, WISCONSIN 53707

STATE OF WISCONSIN )  
 )  
DEPARTMENT OF NATURAL RESOURCES ) SS

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-3-85 was duly approved and adopted by this Department on May 22, 1985. 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 15<sup>th</sup> day of July, 1985.

*Carroll D. Besadny*  
Carroll D. Besadny, Secretary

RECEIVED

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3:45 pm  
Revisor of Statutes  
Bureau

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11-1-85

ORDER OF THE STATE OF WISCONSIN  
NATURAL RESOURCES BOARD  
AMENDING RULES

.....  
IN THE MATTER of amending ss. NR 154.12(11)(b)5. .  
and 6., (c)3. and 4., (e)6., (f)2.e., and 3.d., .  
and (g)1. (intro.) of the Wisconsin .  
Administrative Code pertaining to the revision .  
of emission limitations for certain sources of .  
sulfur dioxide on a statewide basis .  
.....

A-3-85

Analysis Prepared by Department of Natural Resources

Recently the Department of Natural Resources adopted rules (in Natural Resources Board Order A-24-84) which established air emission limitations for certain sources of sulfur dioxide on a statewide basis. This rule adopts minor, clarifying changes to the emission limits established in Natural Resource Board Order A-24-84.

Under the original rule, the emission limits for process sources at a kraft mill or a sulfite mill do not apply to equipment combusting fossil fuel. This rule clarifies that the exclusion from the emission limit for process sources applies to equipment which derives more than 50% of its annual heat input from solid fossil fuel, residual fuel oil, wood, or wood waste. The equipment excluded from the emission limit for process sources is subject to the emission limits for fuel burning equipment.

Under the original rule, the department may grant an alternate emission limitation to a source which is unable to comply with the categorical emission limits, if certain criteria are met. One criterion is that the alternate emission limit may not result in more sulfur dioxide emissions on an annual basis than the annual sulfur dioxide emissions from the source for calendar years 1979 to 1983. The original rule excludes two categories of sources from the requirement to meet this criterion - a source which is authorized by statute to increase its annual emissions of sulfur dioxide and a major utility which is subject to a statutory ceiling on annual emissions of sulfur dioxide. This rule excludes two other categories of sources from the annual emissions criterion for an alternate emission limit - fuel burning equipment which had the design capability to fire residual fuel oil but which derived more than 50% of its annual heat input from natural gas, or which had the design capacity to burn coal but derived more than 50% of its annual heat input from wood or wood waste for each calendar year from 1979 to 1983.

The rule also clarifies 1) that the annual average emission rate for process sources at kraft or sulfite mills which are seeking an alternate emission limit is expressed in pounds of sulfur dioxide per ton of air dried unbleached pulp; 2) when the source should begin burning compliance fuel if only fuel modification is necessary to achieve compliance; and 3) that process sources are sources which derive less than 50% of their annual heat input from solid fossil fuel, residual fuel oil, wood or wood waste.

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Pursuant to the authority vested in the State of Wisconsin Natural Resources Board by ss. 144.31, 144.38 and 227.014(2)(a), Stats., and Section 4 of 1983 Wisconsin Act 414, the State of Wisconsin Natural Resources Board hereby amends rules interpreting s. 144.31(1)(f), Stats., and revising the State Implementation Plan (SIP) developed under that provision as follows:

SECTION 1. NR 154.12(11)(b)5. and 6., are amended to read:

NR 154.12(11)(b)5. Any kraft mill producing pulp may not emit more than 10.0 pounds of sulfur dioxide per ton of air dried unbleached pulp from all process sources at the kraft mill. Process sources do not include equipment which ~~is combusting~~ derives more than 50% of its annual heat input from solid fossil fuel, residual fuel oil, wood or wood waste.

6. Any sulfite mill producing pulp may not emit more than 20.0 pounds of sulfur dioxide per ton of air dried unbleached pulp from all process sources at the sulfite mill. Process sources do not include equipment which ~~is combusting~~ derives more than 50% of its annual heat input from solid fossil fuel, residual fuel oil, wood or wood waste.

SECTION 2. NR 154.12(11)(c)3. and 4. are amended to read:

NR 154.12(11)(c) 3. Any kraft mill producing pulp may not emit more than 10.0 pounds of sulfur dioxide per ton of air dried unbleached pulp from all process sources at the kraft mill. Process sources do not include equipment which ~~is combusting~~ derives more than 50% of its annual heat input from solid fossil fuel, residual fuel oil, wood or wood waste.

4. Any sulfite mill producing pulp may not emit more than 20.0 pounds of sulfur dioxide per ton of air dried unbleached pulp from all process sources at the sulfite mill. Process sources do not include equipment which ~~is combusting~~ derives more than 50% of its annual heat input from solid fossil fuel, residual fuel oil, wood or wood waste.

SECTION 3. NR 154.12(11)(e)6. is amended to read:

NR 154.12(11)(e) 6. ~~The proposed alternate emission limitation will not result in an increase in the annual emissions of sulfur dioxide from the source when comparing the source's projected annual emissions under the proposed alternate emission limitation with the source's actual annual emissions of sulfur dioxide, either in terms of the highest total tons of sulfur dioxide per calendar year or in terms of the highest annual average emission rate, as expressed in pounds of sulfur dioxide per million BTU, for calendar years 1979 to 1983.~~ The projected annual emissions of sulfur dioxide from the source, resulting from the proposed alternate emission limitation,

will not exceed the annual sulfur dioxide emissions from the source in calendar years 1979 to 1983, either in terms of the highest total tons of sulfur dioxide per calendar year or in terms of the highest annual average emission rate, as expressed in pounds of sulfur dioxide per million BTU for steam generating units or fuel burning equipment or in pounds of sulfur dioxide per ton of air dried unbleached pulp for process sources at a kraft mill or sulfite mill. This condition does not apply to a source which is authorized by statute to increase its annual emissions of sulfur dioxide or to a major utility which is subject to s. 144.385, Stats., to fuel burning equipment which had the capability of firing residual fuel oil but which derived more than 50% of its annual heat input from natural gas for each calendar year from 1979 to 1983, or to fuel burning equipment which had the capability of firing coal but which derived more than 50% of its annual heat input from wood or wood waste for each calendar year from 1979 to 1983.

SECTION 4. NR 154.12(11)(f)2.e. is amended to read:

NR 154.12(11)(f)2.e. If only fuel modification or switching is necessary to achieve compliance, commence operation using the new fuel and achieve compliance on or before January 1, 1987;

SECTION 5. NR 154.12(11)(f)3.d. is amended to read:

NR 154.12(11)(f)3.d. If only fuel modification or switching is necessary to achieve compliance, commence operation using the new fuel and achieve compliance on or before October 1, 1986;

SECTION 6. NR 154.12(11)(g)1.(intro.) is amended to read:

NR 154.12(11)(g)1.(intro.) For purposes of determining compliance with the emission limitations of par. (b) or the alternate emission limitation of par. (e), the owner or operator of the source shall outline the specific methods for demonstrating compliance with the emission limitations, to the satisfaction of the department, in the compliance plans submitted under par. ~~(e)~~ (f) 1.a., 2.b., or 3.a. The compliance demonstrations shall consist of one or more of the following:

The foregoing rules were approved and adopted by the State of Wisconsin Natural Resources Board on May 22, 1985.

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

Dated at Madison, Wisconsin

July 15, 1985  
STATE OF WISCONSIN  
DEPARTMENT OF NATURAL RESOURCES

BY Carroll D. Besadny  
Carroll D. Besadny, Secretary

(SEAL)

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