

CR 89-115



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Carroll D. Besadny, Secretary
Box 7921
Madison, Wisconsin 53707
TELEFAX NO. 608-267-3579
TDD NO. 608-267-6897

STATE OF WISCONSIN)
)
DEPARTMENT OF NATURAL RESOURCES) ss

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. WR-16B-89 was duly approved and adopted by this Department on June 28, 1990. 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 the Natural Resources Building in the City of Madison, this 29th day of August, 1990.

Bruce B. Braun
Bruce B. Braun, Deputy Secretary

(SEAL)

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

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IN THE MATTER of amending ss. 140.12 Table 2, .
and 140.20 Table 3, pertaining to groundwater .
quality standards. .
.....

WR-16B-89

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89-115

Analysis Prepared by the Department of Natural Resources

Statutory authority: ss. 144.025(2) and 227.11(2)(a) and ch. 160, Stats.
Statutes interpreted: s. 144.025(2) and ch. 160, Stats.

Chapter 160, Stats., requires the Department to develop numerical groundwater quality standards, consisting of enforcement standards and preventive action limits. Chapter NR 140, Wis. Adm. Code, establishes groundwater standards and creates a framework for implementation of the standards by the Department. The proposed amendments to ch. NR 140 would change total dissolved solids (TDS) from a welfare parameter to an indicator parameter.

SECTION 1. NR 140.12, Table 2 is amended to read:

Table 2

Public Welfare Groundwater Quality Standards

<u>Substance</u>	<u>Enforcement Standard (milligrams per liter- except as noted)</u>	<u>Preventive Action Limit (milligrams per liter- except as noted)</u>
<1> Chloride	250	125
<2> Color	15 color units	7.5 color units
<3> Copper	1.0	.5
<4> Foaming Agents MBAS (Methylene-Blue Active Substances)	.5	.25
<5> Iron	.3	.15
<6> Manganese	.05	.025
<7> Odor No.)	3 (Threshold Odor No.)	1.5 (Threshold Odor
<8> Sulfate	250	125
<9> Total Dissolved Solids <TDS>	500	250
<10> Zinc	5	2.5

SECTION 2. NR 140.20, Table 3 is amended to read:

Table 3

Methodology for Establishing Preventive Action Limit for Indicator Parameters

<u>Parameter</u>	<u>Minimum Increase (mg/l)</u>
Alkalinity	100
Biochemical oxygen demand (BOD ₅)	25
Boron	2
Calcium	25
Chemical oxygen demand (COD)	25
Magnesium	25
Nitrogen series	
- Ammonia nitrogen	2
- Organic nitrogen	2
- Total nitrogen	5
Potassium	5
Sodium	10
Field specific conductance	200 micromhos/cm
<u>Total dissolved solids (TDS)</u>	<u>200</u>
Total hardness	100
Total organic carbon (TOC)	1
Total organic halogen (TOX)	.25

The foregoing rules were approved and adopted by the State of Wisconsin Natural Resources Board on June 28, 1990.

The rules 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 August 29, 1990

STATE DEPARTMENT OF NATURAL RESOURCES

By Carroll D. Besadny
Carroll D. Besadny, Secretary

(SEAL)
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DEPARTMENT OF NATURAL RESOURCES

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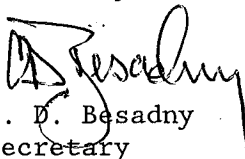
Mr. Gary L. Poulson
Assistant Revisor of Statutes
119 Martin Luther King, Jr., Blvd.

Dear Mr. Poulson:

Enclosed are two copies, including one certified copy, of State of Wisconsin Natural Resources Board Order No. WR-16B-89. These rules were reviewed by the Assembly Committee on Natural Resources and the Senate Committee on Urban Affairs, Environmental Resources, Utilities and Elections pursuant to s. 227.19, Stats. Summaries of the final regulatory flexibility analysis and comments of the legislative review committees are 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.