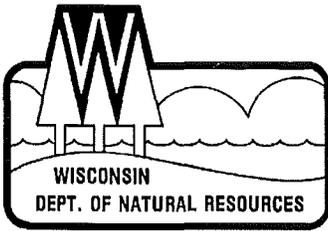


CR 94-216



George E. Meyer
Secretary

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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STATE OF WISCONSIN)
)
DEPARTMENT OF NATURAL RESOURCES) SS

TO ALL TO WHOM THESE PRESENTS SHALL COME, GREETINGS:

I, George E. Meyer, 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-56-94 was duly approved and adopted by this Department on March 23, 1995. 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 26th day of May, 1995.

George E. Meyer
George E. Meyer, Secretary

(SEAL)

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

The Wisconsin Natural Resources Board proposes an order to repeal NR 105 Table 6 substance entry 1; and to amend NR 105.06(5)(f) and NR 105 Table 2 parameter entry 1, substance entry 1 and 2, parameter entry 2, 2A entry 1, 4, 4A and 6 substance entry 1 relating to water quality standards for cadmium for the protection of aquatic life

WR-56-94

Analysis Prepared by the Department of Natural Resources

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

This rule revision amends s. NR 105.06 to update the water quality standards for cadmium for aquatic life protection. The cadmium criterion for acute toxicity protection will be more stringent. There will be a small impact to facilities permitted by the acute criterion. The cadmium criterion for chronic toxicity protection for aquatic life protection will be less stringent. There will be an impact for facilities permitted by the chronic criterion. In addition, to clarify interpretation of the code, typographical corrections will be made pertaining to the aquatic life criteria published in s. NR 105.06.

SECTION 1. NR 105.06(5)(f) is amended to read:

NR 105.⁰⁶~~05~~(5)(f) For a given substance, if the SMACR appears to increase or decrease as the species mean acute values (SMAV) calculated for that substance using the procedure described in s. NR 105.05 increase, the final acute-chronic ratio (FACR) shall be equal to the geometric mean of the SMACRs for species with SMAVs closest to the final acute value.

SECTION 2. NR 105, Table 2, parameter entry #1 is amended to read:

Water Quality Parameter: Hardness (in ppm as CaCO₃)

SECTION 3. NR 105, Table 2, substance entry #1 (cadmium) is amended to read:

Total Recoverable Cadmium:

Great Lakes	1.1281.147	3.828-3.8831	1.791.83	3.924.05	8.578.97
Cold Water	1.1281.147	3.828-3.7684	1.792.05	3.924.54	8.5710.06
Warm Water Sportfish	1.1281.147	1.8291-2.3912	13.258.13	28.9518.01	63.2739.88
All Others	1.1281.147	1.8291-1.9805	13.2512.26	28.9527.16	63.2760.14

SECTION 4. NR 105 Table 2, substance entry #2 (title) is amended to read:

Total Recoverable Chromium(+3):

(+):

SECTION 5. NR 105, Table 2, parameter entry #2 (heading) is amended to read:

Water Quality Parameter: pH

V lnACI ~~50~~ 6.5 ~~100~~ 7.8 ~~200~~ 8.8

SECTION 6. NR 105, Table 2A, entry #1 (cadmium) is amended to read:

Cadmium Hardness (ppm) 6 - ~~368~~ 449

SECTION 7. NR 105, Table 4 is amended to read:

<u>Substance</u>	<u>V</u>	<u>ln CCI</u>	<u>50</u>	<u>100</u>	<u>200</u> <u>175</u>
		(Reserved)			
<u>Total Recoverable Cadmium:</u>					
<u>Great Lakes</u>	<u>0.7852</u>	<u>-3.015</u>	<u>1.06</u>	<u>1.82</u>	<u>2.83</u>
<u>Cold Water</u>	<u>0.7852</u>	<u>-3.015</u>	<u>1.06</u>	<u>1.82</u>	<u>2.83</u>
<u>Warm Water Sportfish</u>	<u>0.7852</u>	<u>-2.9109</u>	<u>1.17</u>	<u>2.02</u>	<u>3.14</u>
<u>All Others</u>	<u>0.7852</u>	<u>-2.9109</u>	<u>1.17</u>	<u>2.02</u>	<u>3.14</u>

SECTION 8. NR 105, Table 4A, is amended to read:

Table 4A
Water Quality Parameter Ranges for Substances
With Chronic Toxicity Related to Water Quality

<u>Substance</u>	<u>Parameter</u>	<u>Applicable Range</u>
	(Reserved)	
<u>Cadmium</u>	<u>Hardness (ppm)</u>	<u>19-173</u>

SECTION 9. NR 105, Table 6 substance entry #1 (cadmium) is repealed (the entry "Total Recoverable Cadmium" and the following subheadings are repealed).

The foregoing rules were approved and adopted by the State of Wisconsin Natural Resources Board on March 23, 1995.

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

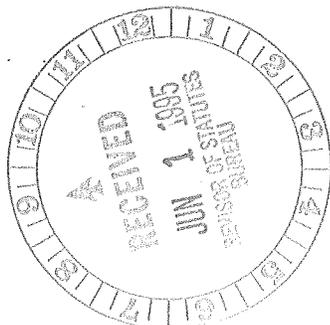
Dated at Madison, Wisconsin

May 26, 1995

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES

By

George E. Meyer
George E. Meyer, Secretary



(SEAL)