

Tony Evers  
Governor



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February 1, 2022

James Zellmer, Deputy Administrator  
Division of Environmental Management  
Department of Natural Resources  
101 S Webster St, Box 7921  
Madison, WI 53703

Dear Mr. Zellmer,

Enclosed is a revision to the 10<sup>th</sup> cycle of Groundwater Standards Proposals. This packet includes revisions to the recommendations for two substances: molybdenum and thiamethoxam. A table of all of the recommendations is included on page 2.

Also enclosed are the scientific support documents for the proposed standards. We have also made revisions to the scientific support documents for aluminum, 1,4-dioxane, hexavalent chromium, isoxaflutole, perfluorooctanoic acid (PFOA), and perfluorooctane sulfonic acid (PFOS). A summary of these corrections is included on page 3.

Please contact me if you have any questions regarding these recommendations. We look forward to continuing our work with you on the adoption of these recommendations.

Sincerely,

A handwritten signature in black ink, appearing to read "Paula Tran".

Paula Tran  
State Health Officer and Administrator  
Division of Public Health

**DHS' 10<sup>th</sup> Cycle of Proposed Groundwater Standards – January 2022**

Substance	Enforcement Standard		Preventive Action Limit	
	Existing	Recommended	Existing	Recommended
1,1-Dichloroethane (1,1-DCA)	850 µg/L	No change	85 µg/L	No change
1,2,3-Trichloropropane (1,2,3-TCP)	60 µg/L	0.3 ng/L	12 µg/L	0.03 ng/L
1,4-Dioxane	3 µg/L	0.35 µg/L	0.3 µg/L	0.035 µg/L
Aluminum	200 µg/L	No change	40 µg/L	20 µg/L
Bacteria (E. coli)	N/A	0	N/A	0
Bacteria (total coliform)	0	(1)	0	(1)
Barium	2,000 µg/L	No change	400 µg/L	No change
Boron	1,000 µg/L	2,000 µg/L	200 µg/L	400 µg/L
Chromium, Hexavalent	N/A	70 ng/L	N/A	7 ng/L
Clothianidin	N/A	1,000 µg/L	N/A	200 µg/L
Cobalt	40 µg/L	No change	8 µg/L	4 µg/L
Dacthal MTP degradate	N/A	70 µg/L <sup>(2)</sup>	N/A	7 µg/L <sup>(2)</sup>
Dacthal TPA degradate	N/A	70 µg/L <sup>(2)</sup>	N/A	7 µg/L <sup>(2)</sup>
Glyphosate	N/A	10 mg/L	N/A	1 mg/L
AMPA (glyphosate degradate)	N/A	10 mg/L	N/A	2 mg/L
Imidacloprid	N/A	0.2 µg/L	N/A	0.02 µg/L
Isoxaflutole and DKN	N/A	3 µg/L	N/A	0.3 µg/L
Isoxaflutole BA degradate	N/A	800 µg/L	N/A	160 µg/L
<b>Molybdenum</b>	40 µg/L	<b>60 µg/L</b>	<b>8 µg/L</b>	<b>6 µg/L</b>
Perfluorooctane Sulfonate (PFOS)	N/A	20 ng/L <sup>(3)</sup>	N/A	2 ng/L <sup>(3)</sup>
Perfluorooctanoic Acid (PFOA)	N/A	20 ng/L <sup>(3)</sup>	N/A	2 ng/L <sup>(3)</sup>
Strontium	N/A	1,500 µg/L	N/A	150 µg/L
Sulfentrazone	N/A	1,000 µg/L	N/A	100 µg/L
Tetrachloroethylene (PCE)	5 µg/L	20 µg/L	0.5 µg/L	2 µg/L
<b>Thiamethoxam</b>	N/A	<b>120 µg/L</b>	N/A	<b>12 µg/L</b>
Thien carbazono-methyl	N/A	10 mg/L	N/A	2 mg/L
Trichloroethylene (TCE)	5 µg/L	0.5 µg/L	0.5 µg/L	0.05 µg/L

**Bold text** indicates changes based on feedback received during the public comment period.

- (1) DNR has proposed transiting total coliform from a groundwater standard to an indicator parameter. DHS does not have concerns with this proposal.
- (2) DHS recommends combined standards for dacthal, MTP, and TPA.
- (3) DHS recommends combined standards for PFOA and PFOS.

**Revisions to DHS' Scientific Support Documents for  
the 10th Cycle of Proposed Groundwater Standards**

<b>Substance</b>	<b>Changes Made</b>
Aluminum	Corrected language about existing preventive action level. Fixed typo in chemical name.
1,4-Dioxane	Fixed typo in cancer slope factor value.
Hexavalent Chromium	Fixed typos in cancer slope factor language.
Molybdenum	Revised recommended enforcement standard to be based on information from ATSDR's 2020 toxicological profile. Revised preventive action limit to be set at 10% of revised enforcement standard.
Isoxaflutole	Fixed typo in JMPR's acceptable daily intake value.
PFOS	Updated summary of ATSDR's intermediate oral minimum risk level to be based on their 2020 toxicological profile.
PFOA	Updated the summary of ATSDR's intermediate oral minimum risk level to be based on their 2020 toxicological profile. Fixed typos in uncertainty factors. Fixed typo in table summarizing values Kieskamp et al., 2018.
Thiamethoxam	Corrected enforcement standard to be based on an acceptable daily intake of 0.12 mg/kg-d. Updated preventive action limit to be set at 10% of revised enforcement standard.

ATSDR = Agency for Toxic Substances and Disease Registry

JMPR = Joint Meeting on Pesticide Residues