



MOREHEAD UTILITY PLANT BOARD

Serving You Over 50 Years

September 15, 2020

The Honorable Wil Schroder
The Honorable Jerry Miller
The Honorable Michael Meredith
702 Capital Ave
Frankfort, KY 40601

RE: Water Fluoridation

Dear Co-Chair Schroder, Co-Chair Miller, and Co-Chair Meredith:

Fluoridation is the process of adding fluoride to water. KRS 211.190 requires Department for Public Health enforcement of water fluoridation and 902 KAR 115:010 specifies the amount of fluoride to add. During the 2020 legislative session, Senator West filed SB 86 that puts the decision to add fluoride in the hands of water producers' governing bodies rather than being a state-wide mandate. Representative Hart filed the Bill in 2018 and 2019. We urge you to support this initiative in the upcoming session.

We are dedicated to providing drinking water of the highest quality. Adding fluoride does nothing to improve water quality; however, it adds a significant safety hazard for our workers. On skin contact, fluoride additive penetrates tissue very fast and can cause severe toxic systemic effects. Inhalation can cause pulmonary edema and life-threatening cardiac arrhythmia. Please see the attached concentrated fluoride handling warnings provided by Solvay, a major fluoride additive manufacturer.

Many of our customers, your constituents, have expressed concern about fluoridation. The mandate to add fluoride was initially passed in 1954. Since then, research has been published by The American Medical Association, Harvard School of Public Health, University of California San Francisco, NYU, and the Mt. Sinai School of Medicine connecting fluoride consumption with adverse health effects. These include neurotoxicity, renal system damage, thyroid dysfunction, bone disease, and tooth disease. Please review the attached resource list.

We urge your support of Senator West's and Representative Hart's effort to change fluoridation from a mandate to a choice. Please co-sponsor the legislation when presented in 2021.

Thank you for your support. Please contact us if we can provide additional information.

Respectfully Submitted,

Phillip Adkins
Morehead Utility Plant Board
Water Plant Superintendent

cc: Members of the Interim Joint Committee on State Government

**Research Published Since the Enactment of Mandated Fluoridation
Demonstrating Adverse Health Effects of Drinking Fluoride**

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Association Between Maternal Fluoride Exposure During Pregnancy and IQ Scores in Offspring in Canada

doi:10.1001/jamapediatrics.2019.1729

- Harvard School of Public Health:

Is Fluoridated Drinking Water Safe?

https://www.hsph.harvard.edu/magazine/magazine_article/fluoridated-drinking-water/

- University of California:

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<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7132865/>

- New York University School of Dentistry:

Study Reveals How Too Much Fluoride Causes Defects in Tooth Enamel

<https://stke.sciencemag.org/content/13/619/eaay0086>

<https://www.nyu.edu/about/news-publications/news/2020/february/fluorosis.html>

- Mount Sinai Hospital, New York

Fluoride exposure and kidney and liver function among adolescents in the United States: NHANES, 2013–2016

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The US Department of Transportation requires that the following pictogram be prominently displayed on any container holding concentrated fluoride additive:



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IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

HF exposures are unique. Serious and potentially life threatening effects can occur immediately or up to 24 hours after exposure. - Always decontaminate exposure victims before applying first aid or medical treatment. - Rescuers should wear PPE during rescue and decontamination of victims. –

In case of skin contact: Symptoms - Causes severe burns. - metabolic imbalances - Life threatening cardiac arrhythmia

Effects - HF penetrate very fast any tissue it comes in contact with, and do not remain on its surface. - Initially, the substances will be locally burning, and afterwards they will penetrate into deeper tissues and might cause the following significant complications: - In case of lower concentrations, symptoms can be delayed and might appear even 48h after the exposure. - It is completely absorbed into the body, where it causes acute and severe toxic systemic effects, mainly attributable to a rapid development of serum hypocalcaemia and hypomagnesaemia and to enzymes blocking.

In case of eye contact: Symptoms - Causes severe burns. – Blindness

See more at: https://www.solvay.us/en/binaries/P01-28861-USA_CN_EN-237517.pdf



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The Honorable Ken Upchurch
The Honorable Wil Schroder
The Honorable Jerry Miller
The Honorable Michael Meredith
702 Capital Ave
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Stephen Whitaker, Manager/Supt
McCreary County Water District

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Columbia/Adair Utilities District

109 Grant Lane - P.O. Box 567

Columbia, KY 42728

Phone (270) 384-2181 - Fax (270) 384-3437

E-Mail utility@caud.net

Website www.caud.net

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702 Capital Ave
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CAUD is an equal opportunity provider and employer. "Deaf, Hard of Hearing and Speech Impaired users, call the Kentucky Relay Service at (800) 648-6056. Give the communications assistant our phone number to contact us."

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Thank you for your support. Please contact us if we can provide additional information.

Respectfully Submitted,

A handwritten signature in blue ink that reads "Lennon Stone". The signature is written in a cursive, flowing style.

Lennon Stone
General Manager

cc: Members of the Interim Joint Committee on State Government

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Cave Run Water Commission, Incorporated

**P.O. Box 20
7533 HWY 1693
Wellington, KY 40387
Phone (606)768-6665
Fax (606)768-6580**

*Edward Bryant
Chairperson*

*Oscar Brewer
Vice Chairperson*

*Mike Helton
Secretary/Treasurer*

*Jack Howard
Commissioner*

*Sandy Ballard
Commissioner*

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Larry Workman/General Manager



"Cave Run Water Commission, Inc. is an Equal Opportunity Provider and Employer."

If you wish to file a Civil Rights program complaint of discrimination, complete the USDA Program Discrimination Complaint Form, found online at <http://www.ascr.usda.gov/complaintfilingcust.html>, or at any USDA office, or call (866)632-9992 to request the form. You may also write a letter containing all of the information requested in the form. Send your completed complaint form or letter to us by mail at U.S. Department of Agriculture, Director, Office of Adjudication, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9401, by fax (202)690-7442 or e-mail at program.intake@usda.gov.

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Beech Fork Water Commission

An Equal Opportunity Employer

Here to Serve and Conserve



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Rick King, Supervisor

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IRVINE MUNICIPAL UTILITIES

**238 Broadway
Irvine KY 40336
606-723-2197**

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Billy F. Williams II
Operational Manager



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