

KAREN FAVAZZA SPENCER

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March 16, 2023

Attn: Frederick Laskey, David Coppes, Rebecca Tepper, Andrew M. Pappastergion, Carolyn Murphy, Beverly Anderson, et al.
Charlestown Navy Yard
100 First Ave, Building 39
Boston, MA 02129

Dear Board of Directors, Advisory Board, and Senior Staff,

First, allow me to commend you for the considerable diligence and professionalism you exhibit in your efforts to protect the environment and provide safe water to the MWRA communities.

I understand that many, most, or all of you believe that a fluoride water concentration of 0.7 ppm is safe and even beneficial for preventing cavities. I understand that you may believe you are required to add fluoride to drinking water because of either Public Health diktats or state law. And I'm sure that few if any of you believe the many gallons of fluoridation chemicals you add to the water each year is causing any environmental harm. I suggest that all of those assumptions are mistaken.

I also know that you won't be making any changes just because someone tells you that fluoridation is harming consumers and the environment, as well as not being a requirement of state law. However, I trust that as well-intentioned professionals, this letter with its enclosures will prompt you to do your due diligence.

This due diligence is especially important now because:

- In April 2023, the lawsuit brought by the Food & Water Watch et al. against the EPA which has been delayed for several years will begin Phase 2. The topic is the evidence of developmental neurotoxicity from pre- and post-natal fluoride exposure to concentrations consistent with 'optimal' fluoridation schemes. We expect a ruling by the end of 2023 or early 2024, and we also expect more EPA delaying tactics. That doesn't change the evidence of harm that includes a 2021 Benchmark Dose analysis that finds even a dose of 0.2 mg/L (the equivalent of 0.2 ppm concentration) can cause learning disabilities if exposure is in utero or during infancy. Neither does it alter the findings of the National Toxicology Program report released on March 15th.
- The evidence of harm to the elderly from prolonged consumption of fluoridated water is also considerable. Increased skeletal fragility, arthritis, and increased risk of degenerative neurological conditions have been documented in multiple studies in recent years.
- There is no room for debate any longer that any exposure to fluoride can damage kidneys and suppresses thyroid hormones. Additionally, recent NHANES data noted that teens in fluoridated communities have markers in their blood suggesting that they are at increased risk of kidney and liver disease. Canadian data suggest 17% of consumers have subclinical hypothyroidism.
- Neither the MA DPH nor Chapter 111 § 8C has authority when Home Rule is in force. I believe the MWRA is operating under Home Rule which means you have the authority to 'promulgate reasonable rules and regulations' as you determine appropriate. If not, please advise who has legislative authority over the MWRA.

Environmentalists, such as the FWW, have traditionally been opposed to fluoridation but, per enclosures, more and more doctors as well as medical, dental and other professional organizations are speaking out in opposition to well-intentioned but misguided fluoridation policy. Ditto for Civil Rights leaders as environmental justice communities are disproportionately affected by f-toxicity.

I suggest the website of the *International Academy of Oral Medicine and Toxicology* (IAOMT.org) and FluorideLawsuit.com are two excellent places to start doing your due diligence. I also suggest throwing good money after bad in the proposed fluoridation infrastructure upgrade is not in the best interests of the MWRA or the communities it serves. If you'd like to put fluoridation on the agenda for any pending Advisory Board or Executive meetings, I'd be happy to facilitate providing speakers to address your questions at that time.

Regards,
Karen Favazza Spencer on behalf of

Kilmer McCully, M.D. of Winchester Prita Pillai, M.P.H., J.D., Esq. of Arlington Mary Kay Elloinin, M.B.A., J.D., Esq. of Burlington	Rick North of Wellesley Chuck Matzker of Framingham Marilee Meyer of Cambridge
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encl: IAOMT letter, Environmental references, Tri-Fold, Dental & Medical opposition, Summary leaflet, FAN press release re NTP report

cc: Board of Directors, Advisory Board & Senior Staff members % ask.mwra@mwra.com

"Science absolutely requires independence and integrity. Without them science ceases to be science.
It becomes a tool to manipulate people." – Dr. Allison Wilson (2015)

The International Academy of Oral Medicine and Toxicology (IAOMT)
8297 ChampionsGate Blvd, #193 ChampionsGate, FL 33896
Phone (863) 420-6373; Website: www.iaomt.org



Dear Public Official,

This letter is being sent to you to establish that there is scientific evidence demonstrating the potential for harmful health effects caused by water fluoridation. Since you have been tasked with the responsibility of taking part in a decision about whether to fluoridate the water in your community, we urgently request that you take this opportunity to fairly and conscientiously evaluate the risks associated with fluoride use. We are aware that some dentists and health professionals will tout benefits of ingested fluoride; however, it is crucial that you also examine the most up-to-date body of facts relevant to hazardous impacts of fluoridation.

The International Academy of Oral Medicine and Toxicology (IAOMT) has been dedicated to its mission of protecting public health through the practice of biocompatible dentistry since it was founded in 1984. We are an organization of over 800 dentists, physicians, and research professionals in more than 14 countries, and the scientific activities of the IAOMT are overseen by a Scientific Advisory Board composed of leaders in Biochemistry, Toxicology, and Environmental Medicine. Our members have been expert witnesses about dental products and practices before the United Nations Environment Programme (UNEP), U.S. Congress, U.S. Food and Drug Administration (FDA), Health Canada, and other government bodies around the globe.

We recently reviewed hundreds of scientific studies and research articles and produced a detailed position paper against fluoridation that features over 500 citations supporting the potential for fluoride to cause adverse health outcomes. A summary of our official position is that **given the elevated number of fluoride sources and the increased rates of fluoride intake in the American population, which have risen substantially since water fluoridation began in the 1940's, it has become a necessity to reduce and work toward eliminating avoidable sources of fluoride exposure, including water fluoridation, fluoride-containing dental materials, and other fluoridated products.**

We implore you to read our full position paper, which can be found online at <https://iaomt.org/wp-content/uploads/IAOMT-Fluoride-Position-Paper.pdf>. Additional resources about fluoride from the IAOMT can also be located at <https://iaomt.org/resources/fluoride-facts/>. You might also be interested in the Fluoride Action Network (FAN)'s [Professionals Statement to End Water Fluoridation](#), which has been signed by over 4,000 medical, dental, scientific, and environmental professionals. Please feel free to contact us at info@iaomt.org or (863) 420-6373 if we can further assist you in understanding that fluoridation is an outdated, dangerous practice with the potential to harm your citizens and your community at large.

Sincerely,

A handwritten signature in black ink that reads 'David Kennedy DDS'.

David Kennedy, DDS, MIAOMT

A handwritten signature in black ink that reads 'John Kall DMD'.

John Kall, DMD, FAGD, MIAOMT

A handwritten signature in black ink that reads 'E. Griffin Cole'.

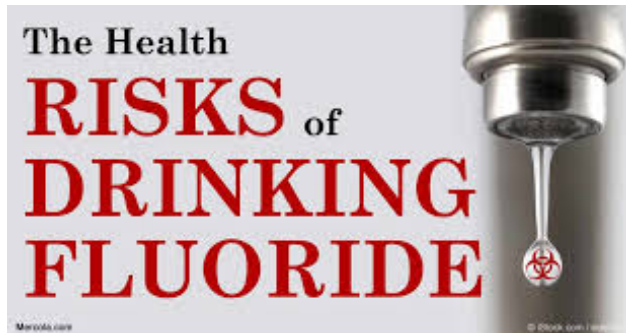
E. Griffin Cole, DDS, NMD, MIAOMT

Neurobehavioral

Dozens of recent studies have validated that prenatal or long term chronic exposure to low doses of fluoride damages brain chemistry and memory.

Environment

Approximately 99% of fluoride additives go directly to wastewater where they harm plants and animals and contaminate ground water.



Enzyme Inhibition

Scientists have known that fluoride is an enzyme poison for over a hundred years. The question becomes one of tolerance and dosage. Diabetics and others who consume more water and kidney patients who cannot excrete fluoride as effectively will carry a heavier toxic load of fluoride in their bodies and bones. Moreover, fluoride interferes with glucose metabolism and calcium metabolism. It also causes abnormal bone metabolism, the visible evidence is a permanent condition called dental fluorosis. Dental fluorosis makes teeth more brittle resulting in increased cosmetic dentistry later in life. Lifetime exposure increases skeletal fragility. Corrosive and reactive fluoridation chemicals also increase lead levels in bones, blood and brains because of tramp contamination, biochemistry, and chemical interaction with plumbing.

Legal References

- Internal CDC Emails Claim Assistant Secretary For Health Blocked Release Of Fluoride Review. Derrick Broze. The Last American Vagabond. Jan 5, 2023.
- Gesser-Edelsburg A, et al. (2016) Communicating risk for issues that involve 'uncertainty bias': what can the Israeli case of water fluoridation teach us? Journal of Risk Research.
- Barnett-Rose R. (2014) Compulsory Water Fluoridation: Justifiable Public Health Benefit or Human Experimental Research Without Informed Consent? Wm. & Mary Environmental Law & Policy Review.
- Cross D. (2015) An Unhealthy Obsession with Fluoride. Nanotechnology Perceptions.
- Legal Arguments Against Artificial Water Fluoridation by Nader R. Hasan, JD with attached Affidavit on Health Effects by Kathleen Thiessen, PhD, member of the 2006 US National Research Council panel on Fluoride in Drinking Water. June 23, 2014.
- Balog D. (1997) Fluoridation of Public Water Systems: Valid Exercise of State Police Power or Constitutional Violation? Douglas Balog. Pace Environmental Law Review.
- A Civil Rights Violation Regarding Forced Medication. LULAC. 2011.

"The cessation of all compulsory water fluoridation schemes should be the goal of all public health agencies, ethical lawmakers, and informed citizens."

- Prof. Rita Barnett-Rose, JD (2014)

FluorideAlert.org & IAOMT.org

Rethinking Fluoride

It's Time to Change!



"...for decades we have believed that fluoride in small doses has no adverse effects on health... But more and more scientists are now seriously questioning the benefits of fluoride, even in small amounts."

UNICEF - A United Nations Organization

Fluoridation policy is an immoral medical mandate that pollutes a shared resource necessary to life with a toxin that compromises the health of vulnerable populations as well as poses an environmental threat to other species.

(March 2023)

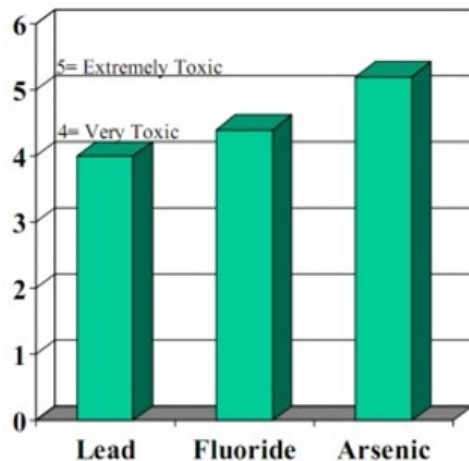
FluorideLawsuit.com

Inflammation

Fluoride, even in low concentrations, is an inflammatory drug. Skin rashes, gastrointestinal distress, and pain are among the earliest signs of fluoride sensitivity.

Immunology

The 2006 NRC wrote, "There is no question that fluoride can affect the cells involved in providing immune responses." Recent science agrees.



Endocrine Disruption

The 2006 National Research Council panel found the evidence of endocrine disruption to be among the most compelling of the many adverse health impacts they documented in their report to the EPA on *Fluoride in Drinking Water*. The NRC noted there were significant gaps in the research making it impossible to identify the Lowest Observable Adverse Effect Level (LOAEL). Gaps included examining the impact of chronic low dose exposure on vulnerable groups such as pregnant women and their fetuses, bottle fed babies and young children, the elderly and those with prolonged illness. See sampling of the many studies that address that gap.

Health References

- Grandjean P, et al. (2021). A Benchmark Dose Analysis for Maternal Pregnancy Urine-Fluoride and IQ in Children. *Risk Analysis*.
- Riddell JK, et al. (2019) Association of water fluoride and urinary fluoride concentrations with attention deficit hyperactivity disorder in Canadian youth. *Environment International*.
- Sawangjang B, et al (2022). Re-evaluating fluoride intake from food and drinking water: Effect of boiling and fluoride adsorption on food. *Journal of Hazardous Materials*.
- Goschorska M, et al. (2018) Potential Role of Fluoride in the Etiopathogenesis of Alzheimer's Disease. *Int. J. Mol. Sci*.
- Malin AJ, et al. (2019). Fluoride exposure and kidney and liver function among adolescents in the United States: NHANES, 2013–2016. *Environment International*
- Follin-Arbelet B, et al. (2016) Fluoride: a risk factor for inflammatory bowel disease?. *Scand J Gastroenterol*.
- Peckhan S, et al. (2015) Are fluoride levels in drinking water associated with hypothyroidism prevalence in England?... A large observational study of GP practice data and fluoride levels in drinking water. *J Epidemiol Community Health*..
- Kakei M, et al. (2016) Fluoride Exposure May Accelerate the Osteoporotic Change in Postmenopausal Women. *Adv Tech Biol Med*.

"I would advise them (pregnant women) to drink bottled water..."
- Dr. Dimitri Christakis, MD, MPH, editor of *JAMA Pediatrics* (2019)

Dental References

- Tang H, et al. (2023) Association between dental fluorosis prevalence and inflammation levels in school-aged children with low-to-moderate fluoride exposure. *Environ Pollut*.
- Neurath C, et al. (2019) Dental Fluorosis Trends in US Oral Health Surveys: 1986 to 2012. *JDR Clinical & Translational Res*.
- Romero V, et al. (2017) The impact of tap water fluoridation on human health. *Rev. Médica de Chile*. 2/2017, Vol 145, No. 2.
- Position Paper against Fluoride Use in Water, Dental Materials, and Other Products. Kennedy D, Just A, Kall J, Griffin C. *IAOMT*. Sept 2017. IAOMT.org
- Beltrán-Aguilar ED, et al. (2010) Prevalence and Severity of Dental Fluorosis in the United States, 1999–2004. *NCHS Data Brief*. No. 53.
- Maupomé G, et al. (2001) Patterns of dental caries following the cessation of water fluoridation. *J. Community Dent Oral Epidemiol*.
- Hujoel PE. (2021) How a Nutritional Deficiency Became Treated with Fluoride. *Nutrients*.
- Yiamouyiannis JA. (1990) Water Fluoridation & Tooth Decay: Results from the 1986-1987 National Survey of U.S. Children. *Fluoride*.
- Diesendorf M. (1986) The Mystery of Declining Tooth Decay. *Mark. Nature*.

"The available data, responsibly interpreted, indicate little or no beneficial effect of water fluoridation on oral health."
Dr. Kathleen Thiessen, 2006 NRC (2011)

Dentists & Doctors

who did their own homework and changed their minds

Expert in Dentistry: "If teeth are the only reason why you like fluoride, you better come up with a different reason. Fluoride hurts teeth, bones, brain, nerves, etc." - *Michael Taras, DMD, FAGD (2015)*

Expert in Pediatric Medicine: "I would advise them (pregnant women) to drink bottled water or filtered water..." - *Dimitri Christakis, MD, MPH, editor in chief of JAMA Pediatrics on "Association Between Maternal Fluoride Exposure During Pregnancy and IQ Scores in Offspring in Canada" (2019)*

Expert in Preventative Dentistry: "The evidence that fluoride is more harmful than beneficial is now overwhelming... fluoride may be destroying our bones, our teeth, and our overall health." - *Hardy Limeback BSc, PhD, DDS, former President of Canadian Association of Dental Research, former head of Preventative Dentistry at the Univ of Toronto, co-author of 2006 National Research Council report 'Fluoride in Drinking Water' (2007)*

Expert in Biochemistry and Toxicology: "When I tried to raise the issue with the Australian Dental Association, whom I thought were interested in the science and in integrity, there was no interest. In fact there was a lot of pressure against me to say anything at all. There was a great concern about upsetting our principle sponsors, the toothpaste manufacturers...." - *Andrew Harms, BDS, former fluoridation promoter and President of the South Australian Dental Association (2013)*



National Health Advisor: "There are numerous mechanisms by which uncontrolled dosing of fluorides through water fluoridation can potentially harm thyroid function, the body and the brain. I support federal investigative hearings looking into why our cities and towns are allowed to continue to add fluoride to public water sources and why the whole story about fluorides is only just now coming out." - *Mark Hyman MD, medical correspondent, author, expert in functional medicine (2016)*

Expert in Dental Politics: "By focusing on fluoridation instead of diet and dentist-access, organized dentistry allowed a national dental health crisis to occur on its watch and created a new one – dental fluorosis." - *David Kennedy DDS MPH, 3rd generation dentist and past president of IAOMT (2016)*

Expert in Dental Public Health: "I now realize that what my colleagues and I were doing was what the history of science shows all professionals do when their pet theory is confronted by disconcerting new evidence: they bend over backwards to explain away the new evidence. They try very hard to keep their theory intact — especially so if their own professional reputations depend on maintaining that theory.....It is my best judgement, reached with a high degree of scientific certainty, that fluoridation is invalid in theory and ineffective in practice as a preventive of dental caries. It is dangerous to the health of consumers." - *John Colquhoun DDS, former chief Dental Officer of Auckland, New Zealand (1998)*

Expert in Dental Surgery: "I had always subscribed to the theory of fluoride being a good thing in the drinking water... It took six months for me to switch my position. I did a lot of reading and thinking and came to the conclusion that fluoride's best-before date had passed and it was time that it should come out of the drinking water." - *Claude Doughty, DDS, former President of Royal College of Dental Surgeons of Ontario and former mayor of Huntsville, Ontario (2013)*

Dental Activist: "In my view, many dentists continue to endorse fluoridation simply because they do not know the truth." - *Donald MacAuley, DDM, former fluoridation proponent & IDOF Chairman*

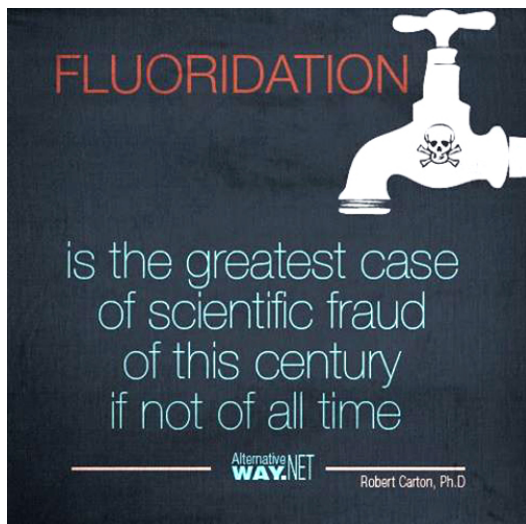
Expert in Cosmetic Dentistry: "It is my expert opinion as a cosmetic dentist and based on my 10,000 hours of study into the scientific controversy pertaining water fluoridation, that the decision made by the State of Queensland to add fluoride into the community water supply is not only dangerous but does not at all promote good oral health.....When I looked at the research, it was like a knee in the gut. My bias was I thought (fluoridation) was safe and effective because I had not looked at the research." - *Bill Osmunson, DDS, MPH (2010)*

Dentists & Doctors

who did their own homework and changed their minds

Expert in Preventative Dentistry: “It’s clear to anyone who has looked at this in any depth that tooth decay is linked to socioeconomic status, ethnicity, and access to health care, not to water fluoridation.”
- *Stan Litras, BDS, BSc, past President NZDA (2016)*

Neurosurgeon: “A multitude of studies have shown that aluminum, especially if combined with fluoride, is a powerful neurotoxin and that it accumulates in the brain.”
- *Russell L. Blaylock, MD, neurosurgeon and author of Excitotoxins (2008)*



Dentist: “Fluoride is a drug and any drug is dose dependent. Human susceptibility to dosage of drugs is different for each individual, depending on the state of their immune system, age and weight.” - *John A. Rothchild, DDS, MAGD, DAAPM, IMD, NMD (2016)*

Expert in Molecular Toxicology: “Right now we have 1 in 6 children in the U.S. with neurodevelopmental brain disease, including ADHD, Autism Spectrum Disorders, low IQ and behavioral disorders, and 1 in 8 women who will develop thyroid disease. These two epidemics tell us that chemicals like fluoride and lead, both developmental neurotoxins and endocrine disruptors, have no place in our public water.”
- *Angela Hind MD (2015)*

Expert in Rejuvenation Dentistry: “The data is contrary to what has been the conventional belief that fluoride prevents cavities. There are non-fluoridated communities that have lower rates of decay than fluoridated communities. The CDC came out with research that 4 out of 10 adolescent children have teeth damaged by fluoride; out of that 16% have severe fluorosis which usually requires very expensive restorative dentistry.....” - *Gerry Curatola, DDS, associate professor at NYU (2014)*

Expert in Medical Paternalism: “Modern Medicine cannot survive without faith, because Modern Medicine is neither an art nor a science. It is a religion.” - *Robert Mendelsohn, MD, pediatrician opposed to fluoridation and author of “How To Raise a Healthy Child In Spite of Your Doctor” (1987)*

Expert in Toxicology: “The evidence of adverse health effects is of such magnitude and human being so varied in their individual constitution state of health at any moment, eating and drinking habits, etc., that it is inappropriate to say that fluoridation is a totally healthful and safe practice for all.”
- *Dr. Brian A. Dementi, toxicologist Dept of Health, VA (1980)*

Expert in Immunology: “Fluoride is capable of producing any number of symptoms. They include drowsiness, profound desire to sleep, dizziness, nasal congestion, sneezing, runny nose, sore throat, coughing, wheezing (asthma), chest pain, hives, and various intestinal symptoms. Most of the information concerning specific reactions to fluoride, as seen in private practice, never reach publication.” - *Hobart Feldman, MD, American Board of Allergy and Immunology (1979)*

Expert in Environmentally Sound Dentistry: “There is no need to fluoridate the water supplies. Fluoride in the water is essentially a drug, it’s an uncontrolled use of a drug.... The primary benefit of fluoride is topical.” - *Michael D. Fleming, DDS, FDA advisor and member ADA, NCDA, & IAOMT (2007)*

Expert in Fibromyalgia and Chronic Fatigue Syndrome: “Iodine is the key that turns on the thyroid’s energy engine, but fluoride intake causes thyroid cells to pick up fluoride instead, causing the thyroid to become more sluggish. Studies show that ingesting only 2.2 mg fluoride daily, as from drinking 2 liters of fluoridated water daily (3 liters at .7 ppm), can slow thyroid function.” - *Jacob Teitelbaum, MD (2016)*

Expert in Maternal-Child Health: “...the combination of aluminum and fluoride exposure results in the compound aluminum fluoride which can penetrate the blood-brain barrier potentially delivering the complex to the delicate tissues of the brain.” - *Kelly Brogan, MD (2017)*

To Professionals, Politicians and Public:

Empirical data and scientific studies from the 21st century have proved beyond doubt that not only does fluoride have no place in the human diet but also that fluoridation policy is a public harm policy.

Major findings from evidence-based science relevant to dietary fluoride confirm:

1. Dental damage from youthful consumption of fluoride
2. Neurological damage from prenatal, youthful and long term exposure to fluoride
3. Biological damage to endocrine, immune, renal, gastrointestinal and other systems
4. Bone damage from long term exposure and exposure during critical growth periods
5. Increased risk of complications during pregnancy affecting both mother and child
6. Disproportionate harm to various vulnerable populations due to ethnicity, age, health conditions, genetics or epigenetics.

We, the undersigned, attest to having done our due diligence in studying the effects of fluoride consumption and/or fluoridation policy on people and planet. We have concluded that there is no ethical or medical justification for including fluoride on any nutritional list nor for dosing municipal water supplies with corrosive and contaminated fluoridation products in order to mass medicate the public...

It is past time to dispatch the malignant medical myth of fluoride as a miraculous mineral to the dustbin of history. Consequently,

- ➡ We encourage nutrition scientists world wide to go on record with statements condemning fluoride as a poison that has no place in the human diet
- ➡ We encourage professional organizations to consider their mission statements and openly condemn fluoridation policy as a human rights violation and environmental harm that contributes to chronic illness
- ➡ We encourage public health officials to challenge pro-fluoride policy in order to fulfill their role of protector of the common welfare
- ➡ We encourage politicians to order an immediate ban on the immoral medical mandate of artificial water fluoridation.

Finally, we encourage the public to make a loud noise demanding that water and food not be intentionally dosed with aluminum, arsenic and lead contaminated fluoridation chemicals that cause disease, disability and death in consumers.

Respectfully,

Dr. Derek Lang, DO on behalf of American Academy of Environmental Medicine

Dr. Charles Adams, MD on behalf of International College of Integrative Medicine

Dr. Dawn Ewing, PhD on behalf of International Academy of Biological Dentists and Medicine

Henry Rodriguez, Texas Chapter Director on behalf of the National League of United Latin American Citizens

Vera Sharav, President on behalf of the Alliance for Human Research Protection

Ronnie Cummins, International Director on behalf of the Organic Consumers Association

Ronald M. Hendrickson, Executive Director on behalf of the International Chiropractors Association

Alice-Anne Simard, Executive Director on behalf of Eau Secours

For reliable information on emerging science, evolving expert opinion, and environmental activism, we recommend these resources:

International Academy of Oral Medicine and Toxicology, IAOMT.org

American Academy of Environmental Medicine, AAEMonline.org

Fluoride Action Network, FluorideAlert.org

Center for Health, Environment & Justice, CHEJ.org

League of United Latin American Citizens, LULAC.org

Eau Secours, eausecours.org

To read the letter in its entirety, see:

Open Letter to Nutritionists About The Fluoride Deception

published 26 Oct. 2018

GreenMed*info*

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The Fluoride Trial

by Derrick Broze

Fluoride Lawsuit: Censored Review On Fluoride's Toxicity Will Soon Be Made Public

February 20, 2023

Attorneys with the Fluoride Action Network and the U.S. government have agreed to the release of a censored report on the toxicity of fluoride, the latest development in the ongoing Fluoride lawsuit...

Following Revelation of Interference by AHS Rachel Levine, Federal Judge Pushes Next Hearing in Fluoride Lawsuit to April

January 15, 2023

The fluoride lawsuit has been delayed again following the release of emails which show leadership within the U.S. Department of Health and Human Services intervened in the release of a crucial study on fluoride's toxicity...

Internal CDC Emails Claim Assistant Secretary for Health Blocked Release of Fluoride Review

January 5, 2023

Emails between the U.S. National Toxicology Program and the CDC claim that Assistant Secretary for Health Rachel Levine prevented the release of a long-delayed review on the toxicity of fluoride...

After a Two Year Delay, Federal Judge Says Fluoride Lawsuit May Continue

November 10, 2022

If successful, the lawsuit could spell the end of water fluoridation in the United States...

<https://www.thelastamericanvagabond.com/category/health/fluoride-trial/>

Items In The News

Fluoride-the-Destroyer: See the Dark Side

by Barbara Tritz, RDH

March 4, 2023

I wanted to believe in the incredibleness of fluoride. I trusted the industry leaders when they said how awesome fluoride was for preventing tooth decay. "They" never ever mentioned its very sinister and dark side effects...

queenofdentalhygiene.net

Luxury Tea Tycoon Cals for Greater Transparency over Amount of Fluoride in Nation's Favourite Hot Drink

by Andy Gregory

February 11, 2023

Prolonged exposure to high amounts of fluoride can be harmful to teeth and bones...

<https://www.independent.co.uk/news>

Crowther: Fluoridation Issues

by Jack Crowther

January 31, 2023

EXCERPT: Is he comfortable with the fact that there is no control over the dosage received by those drinking city water, since water consumption varies greatly from person to person? Is he comfortable discharging fluorosilicic acid, the chemical added to Rutland's water, into the environment? Fluorosilicic acid is a hazardous waste under U.S. law and cannot be disposed of in rivers, lakes or the ocean. Yet millions of gallons of fluoridated water wind up in Otter Creek and Lake Champlain, after passing through Rutlanders' bodies and plumbing systems. The commissioner and his predecessors have long grappled with pollution caused by overflows of our sewage system and storm runoff. How can this form of pollution not be of concern?

<https://www.rutlandherald.com/opinion/commentary/>

Environmental References

“... a fluoride concentration as low as 0.5 mg F-/l can adversely affect invertebrates and fishes, safe levels below this fluoride/l concentration are recommended in order to protect freshwater animals from fluoride pollution.” - JA Camargo (2003) Fluoride toxicity to aquatic organisms: a review. Chemosphere

“Barium and aluminum levels approached those that the EPA found in samples of electroplating sludge, river sediment, and hazardous soils... contaminant content creates a regulatory blind spot that jeopardizes any safe use of fluoride additives.” - PJ Mullenix (2014) A new perspective on metals and other contaminants in fluoridation chemicals. International Journal of Occupational and Environmental Health

1. Pavic D. et al. (2022) Variations in the Sporulation Efficiency of Pathogenic Freshwater Oomycetes in Relation to the Physico-Chemical Properties of Natural Waters. Microorganisms.
2. Ahmad MN et al. (2022) Effects of soil fluoride pollution on wheat growth and biomass production, leaf injury index, powdery mildew infestation and trace metal uptake. Environmental Pollution.
3. Wiley B. et al. (2021) Fluoride alters feeding and memory in Lymnaea stagnalis. J Comp Physiol A Neuroethol Sens Neural Behav Physiol.
4. Pacific Northwest Pest Management Handbook (2018) “Fluorine Toxicity in Plants” by J.W. Pscheidt, Extension Plant Pathology Specialist, OSU.
5. Caballero-Gallardo K, Olivero-Verbel J, Freeman JL. (2016) Toxicogenomics to Evaluate Endocrine Disrupting Effects of Environmental Chemicals Using the Zebrafish Model. Current Genomics. 17(6):515-527.
6. Tang W. (2018) Effects of sodium fluoride on the reproductive development of Bombyx mori. Environmental Toxicology and Pharmacology.
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8. Jianjie C, Wenjuan X, Jinling C, Jie S, Ruhui J, Meiyan L. (2016) Fluoride caused thyroid endocrine disruption in male zebrafish. (Danio rerio). Aquat Toxicology.
9. Huan Zuo, Liang Chen, Ming Kong, et al. (2018) Toxic effects of fluoride on organisms. Life Sciences.
10. AW Burgstahler, RF Freeman, PN Jacobs. (2008) Toxic effects of silicofluoridated water in chinchillas, caimans, alligators, and rats held in captivity. Research report. Fluoride.
11. Spittle B. (2012) Editorial: Fluorosis in frogs: a red flag from New Zealand. Fluoride.
12. Maas RP, Patch SC, Christian AM, Coplan MJ. (2007) Effects of fluoridation and disinfection agent combinations on lead leaching from leaded-brass parts. Neurotoxicology.
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15. Sauerheber R. (2013) Physiologic Conditions Affect Toxicity of Ingested Industrial Fluoride. Journal of Environmental and Public Health. 2013:439490.
16. Sauerheber R. (2013) Disabled Horses: Racehorse Breakdown and Artificially Fluoridated Water in Los Angeles. Fluoride.
17. Krook LP, Justus K. (2005) Fluoride Poisoning of Horses from Artificially Fluoridated Drinking Water: Research Report. Fluoride.
18. Kalisinska E, et al. (2014) Fluoride Concentrations in the Pineal Gland, Brain and Bone of Goosander (Mergus Merganser) and Its Prey in Odra River Estuary in Poland. Environmental Geochemistry and Health.
19. Fluoride in Green Facts, answers 6 and 7. <https://www.greenfacts.org/en/fluoride/>
20. Foulkes RG, Anderson AC. (1994) Research Review: Impact of Artificial Fluoridation on Salmon Species in the Northwest USA and British Columbia, Canada. Fluoride.

Environmental References

WHAT WE KNOW:

1. We know that fluoride has an adverse impact on the migration, reproduction and mortality of salmon and trout even at 0.5 ppm in fresh water.
2. We know that laboratory experiments using zebra fish confirm fluoride in low concentrations such as 0.5 ppm adversely impacts the endocrine system of that animal model.
3. We know that approximately the same concentration has an adverse impact on some plants and aquatic life lower on the food chain.
4. We know that 45-min exposure to fluoride has a long-lasting negative impact of the configural learning of snails
5. We know that fluoride accumulates in brains of seabirds where it causes calcification.
6. We know that fluoride accumulation in human brains is associated with neurodegenerative conditions.
7. We know that industrial fluoride pollution contributes to the fluoride exposure.
8. We know that there are uncertainties associated with the interactive or synergistic effects of fluoride since fluoride is one of the main ions responsible for solubilizing beryllium, aluminum, scandium, niobium, tantalum, iron, and tin.
9. We know that the fluorides added to tap water are fundamentally different compositions than the natural fluoride found in both fresh water and seawater.
10. We know that fluoridated water is harmful to many amphibians and reptiles, and consequently result in de-fluoridation of city water at zoos in order to reduce disease and mortality in these animals.
11. We know that fluoridated wastewater discharge from 'optimally' fluoridated communities at 0.7 ppm is frequently higher than 0.7 ppm due to a combination of factors.
12. We know that ~98% of fluoridation chemicals added to drinking water goes directly into the environment.
13. We know that 100% of fluoridation chemicals are contaminated with other toxins such as aluminum, arsenic, barium, cadmium, lead, etc.
14. We know that despite the addition of buffering chemicals to counteract the corrosive nature of fluoridation chemicals, municipal water infrastructure in fluoridated communities has an accelerated deterioration with a net result of more chemicals and toxic metals in waste water.
15. We know that fluoride and other toxins persist in the environment and accumulate in plants, animals and fish, and that there is no known way to reverse accumulation in environmental settings.
16. We know that smog results in ocean pollution that bleaches coral via the same type of poisoning that happens to developing teeth known as dental fluorosis. DF mottles the teeth of over half of U.S. teens. Our fluoridation chemicals are harvested from air pollution control systems in Shanghai, China - packaged air pollution.
17. We know that fluoride is an enzyme poison and an EPA contaminant identified as a developmental neurotoxicant.
 - Until the mid 1980s, 2.4 ppm was the EPA maximum contaminant level goal (MCLG) for fluoride in drinking water. The actionable maximum contaminant level (MCL) was set at the same concentration. The MCL/MCLG was increased to 4 ppm at the behest of lobbyists for polluters and municipalities who could not afford to take steps to de-fluoridate their contaminated water. The 4 ppm MCL/MCLG was objected to by EPA scientists, but was given a provisional pass by the 1993 NRC pending research that still hasn't been done. The 2006 NRC advised that 4 ppm was not protective of human health and that the gaps in knowledge make it impossible to determine a scientifically defensible reference dose for fluoride in drinking water, but there has been no EPA action to reduce the MCL/MCLG determined as harmful.
 - The Safe Drinking Water Act calls for reviews of MCLGs every six years to guarantee safety.
 - The Clean Water Act forbids the addition of pollutants to drinking water.

WHAT WE DO NOT YET KNOW:

- A. We do not yet know the long term impact of fluoridated wastewater on fresh water plants and fisheries.
- B. We do not yet know the long term impact of fluoridated wastewater on salt water plants and fisheries.
- C. We do not yet know the full impact of fluoridated waste water on insects, birds or plankton.
- D. We do not yet know the impact of overall fluoride pollution on animal health, migration or reproduction.
- E. We do not know the long term repercussions on ecological receptors relevant to synergy with other metals.
- F. We will likely never know how to clean the fluoride out of wetlands and waters contaminated with fluoridation chemicals which includes tramp contaminants.

UNESCO on Protection of the Environment, the Biosphere and Biodiversity:

"Due regard is to be given to the interconnection between human beings and other forms of life, to the importance of appropriate access and utilization of biological and genetic resources, to respect for traditional knowledge and to the role of human beings in the protection of the environment, the biosphere and biodiversity."

- UNESCO documents on Bioethics, Article 17 (2005)

Suppressed Government Report Finding Fluoride Can Reduce Children's IQ Made Public Under EPA Lawsuit

NEWS PROVIDED BY
Fluoride Action Network →
Mar 15, 2023, 10:45 ET

NORTH SUTTON, N.H., March 15, 2023 /PRNewswire/ -- The final report of a 6-year National Toxicology Program (NTP) review of fluoride neurotoxicity was blocked from public release by the Health and Human Services (HHS) Assistant Administrator in May 2022 according to the Fluoride Action Network (FAN). But under an agreement reached in an ongoing lawsuit against the EPA, the report was made public today with a table of contents. Included were comments from external peer-reviewers and internal HHS departments, along with NTP's responses. The review considered all human studies of fluoride's effect on the developing brain. Its conclusion confirmed and strengthened the findings from two earlier drafts released in 2019 and 2020. External peer-reviewers all agreed with the conclusion that prenatal and early life fluoride exposures can reduce IQ.

The report was issued in two parts, a monograph and a meta-analysis. The meta-analysis found that 52 of 55 studies found lower IQ with higher fluoride exposures, demonstrating remarkable consistency. Of the 19 studies rated higher quality, 18 found lowering of IQ. The meta-analysis could not detect any safe exposure, including at levels common from drinking artificially fluoridated water.

Documents obtained through the Freedom of Information Act show government agencies that promote fluoridation, allied with dental interests, have tried to water down the report. When the NTP held firm, these agencies got HHS Assistant Administrator Rachel Levine to block its

release. Only one historical example exists of an NTP report being blocked from release, a report on the carcinogenicity of asbestos-contaminated talc. Talc industry groups conducted an aggressive lobbying campaign, enlisting friendly congresspeople to intervene. FAN was able to force today's release of the NTP report by using leverage from the ongoing lawsuit against the EPA.

Fluoridation defenders have falsely claimed draft versions of the report had been "rejected" by a National Academies committee. In fact, the committee recommended that NTP clarify their methods and reasoning for reaching their conclusions because the issue was considered so contentious. The NTP has done that in the report released today. There is now little question that a large body of scientific evidence supports a conclusion that fluoride can lower child's IQ, including at exposure levels from fluoridated water.

With the release of this report, dental interests may have to rethink their denial of the evidence that fluoridation can reduce children's IQ.

SOURCE Fluoride Action Network

NTP Report, Meta-analysis and Overview:
<https://ntp.niehs.nih.gov/whatwestudy/assessments/noncancer/ongoing/fluoride/index.html>